

**Programa de Pruebas Internacionales de Arroz para América Latina**

**RESULTADOS  
DE LOS VIVEROS DEL IRTP  
PARA AMÉRICA LATINA  
DISTRIBUIDOS EN 1982**

Con la cooperación de:

**Centro Internacional de Agricultura Tropical, CIAT  
International Rice Research Institute, IRRI**

## CONTENIDO

|  | Página |
|--|--------|
| 1. Introducción  |        |
| 2. Sexto Vivero Internacional de Rendimiento de Arroz para América Latina - Variedades Tempranas (VIRAL-T, 1982)     | 7      |
| 3. Quinto Vivero Internacional de Observación de Arroz para América Latina (VIOAL, 1982)                             | 65     |
| 4. Primer Vivero Internacional de Observación de Arroz para Secano no Favorecido en América Latina (VIOAL-SNF, 1982) | 113    |
| 5. Primer Vivero Internacional de Observación de Arroz para el Virus Hoja Blanca en América Latina (VIOAL-HB, 1982)  | 139    |
| 6. Cuarto Vivero Internacional de Arroz para Temperaturas Bajas en América Latina (VITBAL, 1982)                     | 153    |
| 7. Sexto Vivero Internacional de Observación de Arroz para Salinidad y Alcalinidad en América Latina (VIOBAL, 1982)  | 161    |

RESULTADOS DE LOS VIVEROS DEL IRTP PARA  
AMÉRICA LATINA DISTRIBUIDOS EN 1982

INTRODUCCIÓN

El Programa de Pruebas Internacionales de Arroz (IRTP) para América Latina, es coordinado por el CIAT-IRRI y sirve como vínculo del Programa de Evaluación y Utilización Genética del IRRI y el Programa de Arroz del CIAT con los programas nacionales de la región.

Los objetivos principales del IRTP están orientados a ayudar a los programas nacionales en los siguientes aspectos:

1. Suministrar germoplasma básico y mejorado proveniente de los viveros del IRTP, del IRRI, del CIAT y Programas Nacionales.
2. Ofrecer un mecanismo para intercambiar material promisorio y evaluarlo sistemáticamente contra diversos problemas.
3. Identificar variedades con un amplio espectro de resistencia a enfermedades, insectos, problemas edáficos y climáticos.

A través de este programa, los científicos de varias disciplinas pueden participar en la evaluación sistemática y en la selección de diversas variedades de arroz que se requieren para solucionar, en mejor forma, las necesidades específicas locales o regionales de los agricultores y consumidores.

El germoplasma que se distribuye en los diversos viveros del IRTP puede ser nombrado como variedad por cualquier Programa Nacional, simplemente reconociendo su origen.

En este reporte se incluyen los resultados de las observaciones tomadas por los cooperadores de América Latina en el germoplasma distribuido en los viveros de 1982.

## GERMOPLASMA DISTRIBUIDO EN 1982

El IRTP para América Latina distribuyó en 1982 un total de 442 líneas y/o variedades mejoradas en 7 viveros específicos, de los cuales se despacharon 191 juegos a 24 países de la región (Cuadro 1.1). Los viveros se enviaron en marzo a los países que siembran entre mayo-junio, y en agosto a los países con fechas de siembra de octubre-noviembre (Figura 1.1).

## MANEJO DE LOS VIVEROS

Los viveros de rendimiento de variedades tempranas (VIRAL-T), variedades flotantes (VIRAL-F) y de salinidad (VIOSAL), se sembraron según el diseño experimental de bloques al azar con tres repeticiones. El tamaño de las parcelas fue de 9 m<sup>2</sup>.

Las líneas de los viveros de observación (VIOAL) y secano no favorecido (VIOAL-SNF), se sembraron en 6 surcos de 5.0 m de largo distanciados a 30 cms.

El VIOAL-HB se sembró en tres épocas escalonadas a 20 días. Por cada época se sembró 1 surco de 5 m.

El método de siembra, fertilización, control de malezas, insectos y enfermedades se dejaron a la decisión del cooperador. Sin embargo, se recomendó un uso mínimo de insecticidas excepto para las plagas a las cuales las variedades no tengan resistencia.

Para la evaluación del germoplasma de los viveros de rendimiento y observación se solicitó a los cooperadores tomar datos de floración, maduración, altura de la planta, volcamiento, rendimiento e incidencia de enfermedades.

Para la toma de datos se recomendó a los cooperadores utilizar las escalas del manual "Sistema de Evaluación Estándar para Arroz" para las características que lo permitieran.

Cuadro 1.1 Viveros del IRTP para América Latina distribuidos en 1982.

| Vivero <sup>a</sup> | Numero de líneas | Numero de Juegos despachados | Juegos Recibidos |
|---------------------|------------------|------------------------------|------------------|
| VIRAL-T             | 30               | 68                           | 35               |
| VIOAL               | 160              | 58                           | 28               |
| VIOAL-SNF           | 95               | 27                           | 13               |
| VIOAL-HB            | 74               | 5                            | 3                |
| VIOSAL              | 30               | 13                           | 2                |
| VITBAL              | 33               | 13                           | 2                |
| VIRAL-F             | 20               | 7                            | 0                |
| <b>T O T A L</b>    | <b>442</b>       | <b>191</b>                   | <b>83</b>        |

- a. VIRAL-T = Vivero Internacional de Rendimiento de Arroz para América Latina - Variedades Tempranas
- VIOAL = Vivero Internacional de Observación de Arroz para América Latina
- VIOAL-SNF = Vivero Internacional de Observación de Arroz para América Latina - Secano no Favorecido
- VIOAL-HB = Vivero Internacional de Observación de Arroz para América Latina - Hoja blanca
- VIOSAL = Vivero Internacional de Observación de Arroz para América Latina - Salinidad y Alcalinidad
- VITBAL = Vivero Internacional de Temperaturas Bajas para América Latina
- VIRAL-F = Vivero Internacional de Rendimiento de Arroz para América Latina - Variedades Flotantes

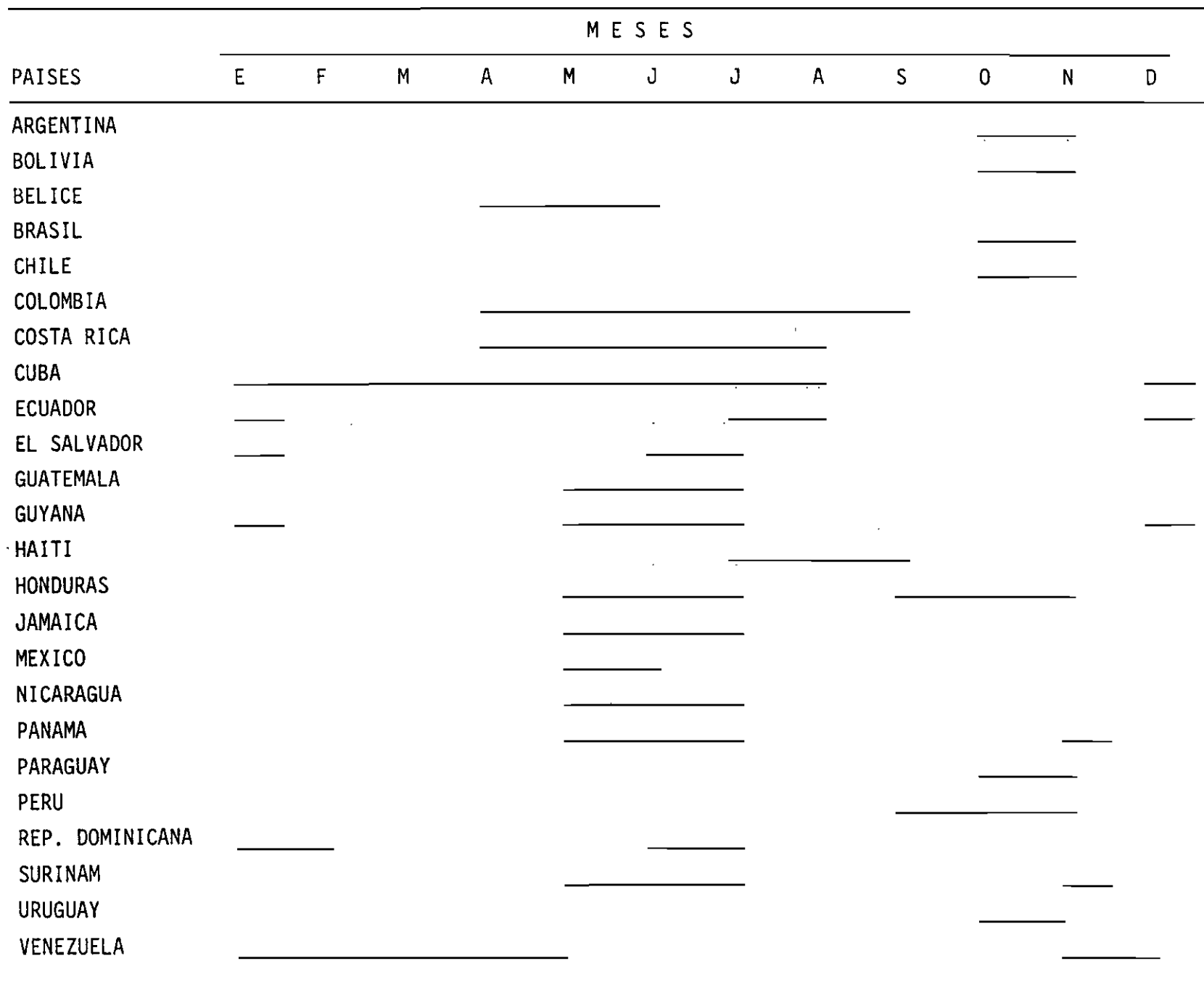


Figura 1.1 Epocas de siembra de arroz en los paises Latinoamericanos

Para todos los viveros, se solicitó a los cooperadores la información concerniente a la localidad en donde se efectuó la prueba.

El índice de adaptabilidad que se venía estimando para el germoplasma incluido en los viveros de rendimiento, utilizando el método propuesto por Eberhart y Russell, fue cambiado por el método de regresión. Este cambio se hizo con base en las críticas hechas por varios investigadores en el sentido de que el Índice Ambiental, definido como el rendimiento promedio del sitio menos el rendimiento general de las variedades comunes, involucra los mismos valores ( $\bar{Y}$  sitio. variedad) contra los cuales se va a comparar el comportamiento de las variedades.

El método de regresión se basa en el siguiente modelo:

$$Y_{ij} = a_i + B_i \cdot IA_j + e_{ij}$$

donde:

$Y_{ij}$  = es el rendimiento promedio de la variedad  $i$  en la localidad  $j$

$a_i$  = potencial de rendimiento promedio de la variedad  $i$

$IA_j$  = es el índice ambiental de la localidad  $j$ , definido como el rendimiento promedio del testigo local en el sitio  $j$

$B_i$  = es el índice de adaptabilidad de la variedad  $i$  estimado por el coeficiente de regresión

$e_{ij}$  = es un término de error aleatorio no estimable específico a la variedad  $i$  en la localidad  $j$

Con este método se determina qué variedad o variedades son superiores o inferiores al testigo local. Las variedades que tengan un índice de adaptabilidad significativamente superior a 1, se consideran mejores que el testigo local. Esto se determina utilizando la prueba  $t$  con  $n-2$  grados de libertad.

$$t = \frac{B-1}{S_B}$$

$B$  = Índice de adaptabilidad

$S_B$  = Error estándar

$n$  = Número de localidades

## RESULTADOS Y DISCUSIÓN

A continuación se discuten individualmente los resultados de las evaluaciones del germoplasma de cada vivero.



**Sexto Vivero Internacional  
de Rendimiento de Arroz  
para América Latina  
Variedades Tempranas  
(VIRAL-T, 1982)**

SEXTO VIVERO INTERNACIONAL DE RENDIMIENTO DE  
ARROZ PARA AMÉRICA LATINA-VARIEDADES TEMPRANAS

(VIRAL-T, 1982)

El Sexto VIRAL-T, 1982, fue formado con 30 líneas promisorias seleccionadas de los viveros de 1981, VIRAL-T, VIRAL-S y VIOAL-Es del CIAT. IR 43, CICA 8 y CICA 4 fueron incluidas como testigos regionales. En el Cuadro 2.A se indica el germoplasma y su origen.

El VIRAL-T 1982 fue sembrado en riego en 14 localidades de trópico y en 2 localidades de zonas templadas; en secano favorecido en 18 localidades y 1 localidad de secano no favorecido. En el Cuadro 2.B se indica la localización de las pruebas y nombre de cooperadores. En el Cuadro 2.C se anota la información sobre época de siembra, prácticas de cultivo y presencia de enfermedades e insectos.

Las características evaluadas por los cooperadores en cada localidad se presentan en los Cuadros 2.1 a 2.35.

Los promedios del ciclo de duración; altura de la planta y rendimiento del germoplasma se presentan para cada ecosistema, riego en 13 localidades (Cuadro 2.36), y secano favorecido en 16 localidades (Cuadro 2.37). Los datos de las localidades de riego 2, 29 y 34 y las de secano favorecido, 6 y 9, no se incluyeron por estar incompletos. Tampoco se incluyó la localidad 21 por corresponder a secano no favorecido.

En varias localidades de riego o secano favorecido la incidencia de enfermedades, piricularia, helmintosporiosis, escaldado de la hoja y añublo de la vaina, fue severa. Sin embargo, varias líneas mostraron tolerancia (Cuadros 2.38 a 2.42).

En los Cuadros 2.43 y 2.44 se resumen los promedios de rendimiento para los 2 ecosistemas. Los rendimientos promedios, en las 13 localidades de riego fluctuaron de 4.5 ton/ha para la línea P 2030 F4-226-1B-1B de CIAT-ICA a 6.3 ton/ha para la línea P 2034 F4-25-6-1B, también de CIAT-ICA (Cuadro 2.43).

Las líneas que ocuparon las 5 primeras posiciones en el ecosistema de riego fueron:

| <u>LINEA No.</u> | <u>DESIGNACION</u>     | <u>ORIGEN</u> | <u>RDTO. (TON/HA)</u> | <u>POSICION</u> |
|------------------|------------------------|---------------|-----------------------|-----------------|
| 23               | P 2034 F4-25-6-1B      | CIAT-ICA      | 6.3                   | 1               |
| 28               | IR 5853-118-5          | IRRI          | 6.2                   | 2               |
| 26               | IR 2153-276-1-10-PR509 | IRRI-India    | 6.1                   | 3               |
| 10               | CICA 8                 | Colombia      | 6.0                   | 4               |
| 9                | P 2020 F4-46-2-1B      | CIAT-ICA      | 6.0                   | 4               |

En el Cuadro 2.45 se presentan los rendimientos promedios y los índices de adaptabilidad del germoplasma sembrado en las 13 localidades de riego.

Los rendimientos del germoplasma en las 16 localidades de secano favorecido (Cuadro 2.44) fueron altos, con un rango de 2.4 ton/ha para la localidad 20 (La Ceiba, Honduras) a 6.5 ton/ha en la localidad 16 (Izabal, Guatemala). En este ecosistema las líneas que ocuparon las primeras 5 posiciones fueron:

| <u>LINEA No.</u> | <u>DESIGNACION</u> | <u>ORIGEN</u> | <u>RDTO. (TON/HA)</u> | <u>POSICION</u> |
|------------------|--------------------|---------------|-----------------------|-----------------|
| 13               | P 2020 F4-161-5-1B | CIAT-ICA      | 5.0                   | 1               |
| 10               | CICA 8             | Colombia      | 4.9                   | 2               |
| 16               | P 2025 F4-159-3-B  | CIAT-ICA      | 4.8                   | 3               |
| 12               | P 2020 F4-149-1-1B | CIAT-ICA      | 4.7                   | 4               |
| 9                | P 2020 F4-46-2-1B  | CIAT-ICA      | 4.6                   | 5               |

En el Cuadro 2.46 se presentan los rendimientos promedios y los índices de adaptabilidad del germoplasma sembrado en las 16 localidades de secano favorecido.

Los rendimientos promedios del germoplasma en los dos ecosistemas se presentan en el Cuadro 2.47.

Las líneas y/o variedades que ocuparon las tres primeras posiciones en las 29 localidades (13 de riego y 16 secano favorecido) se indican en el Cuadro 2.48.

Las características y calidad del grano de las líneas y variedades testigo incluidas en el VIRAL-T, 1982, se presentan en el Cuadro 2.49. Todas las líneas incluidas en este vivero son de grano largo, con buena calidad culinaria (arroz secos y sueltos después de su cocción), buena apariencia y buen rendimiento de arroz entero (excelso) para la mayoría de las líneas.

Cuadro 2.A Germoplasma del Sexto Vivero Internacional de Rendimiento de Arroz para América Latina, Variedades Tempranas (VIRAL-T, 1982)

| Línea no. | Designación             | Cruce                                 | Origen    |
|-----------|-------------------------|---------------------------------------|-----------|
| 1         | P 2015 F4-108-1B-1B     | 4440//BG 90-2/CICA 7                  | Colombia  |
| 2         | P 2013 F4-82-2-1B       | CICA 4//BG 90-2/Tetep                 | Colombia  |
| 3         | P 2015 F4-66-1-1B       | 4440//BG 90-2/CICA 7                  | Colombia  |
| 4         | P 2015 F4-66-5-1B       | 4440//BG 90-2/CICA 7                  | Colombia  |
| 5         | P 2015 F4-82-5-1B       | 4440//BG 90-2/CICA 7                  | Colombia  |
| 6         | P 2015 F4-138-3-1B      | 4440//BG 90-2/CICA 7                  | Colombia  |
| 7         | P 2015 F4-148-5-1B      | 4440//BG 90-2/CICA 7                  | Colombia  |
| 8         | P 2015 F4-150-4-1B      | 4440//BG 90-2/CICA 7                  | Colombia  |
| 9         | P 2020 F4-46-2-1B       | 4440//BG 90-2/Tetep                   | Colombia  |
| 10        | CICA 8 (Testigo)        |                                       | Colombia  |
| 11        | P 2020 F4-140-3-1B      | 4440//BG 90-2/Tetep                   | Colombia  |
| 12        | P 2020 F4-149-1-1B      | 4440//BG 90-2/Tetep                   | Colombia  |
| 13        | P 2020 F4-161-5-1B      | 4440//BG 90-2/Tetep                   | Colombia  |
| 14        | P 2030 F4-226-1B-1B     | CICA 4//4440/CICA 7                   | Colombia  |
| 15        | P 2023 F4-74-2-1B       | BG 90-2//4440/CICA 7                  | Colombia  |
| 16        | P 2025 F4-159-3-1B      | CICA 4//CICA 9/CICA 7                 | Colombia  |
| 17        | P 2026 F4-12-2-1B       | BG 90-2//CICA 9/CICA 7                | Colombia  |
| 18        | P 2030 F4-217-4-1B      | CICA 4//4440/CICA 7                   | Colombia  |
| 19        | P 2030 F4-222-1-1B      | CICA 4//4440/CICA 7                   | Colombia  |
| 20        | IR 43 (Testigo)         |                                       | Filipinas |
| 21        | P 2030 F4-222-2-1B      | CICA 4//4440/CICA 7                   | Colombia  |
| 22        | P 2030 F4-243-4-1B      | CICA 4//4440/CICA 7                   | Colombia  |
| 23        | P 2034 F4-25-6-1B       | 4440//BG <sub>3</sub> 90-2/CICA 4     | Colombia  |
| 24        | P 1897-15-1-4-1-1B-1B   | BG 90-2/ <sup>3</sup> Tetep           | Colombia  |
| 25        | IR 4422-98-3-6-1        | IR 2049-134-2/IR 2061-125-37          | IRRI      |
| 26        | IR 2153-276-1-10-PR 509 | IR 1541-102-6-3/IR 20*4/O.N.          | India     |
| 27        | SPR 7284-57-5           | RD 3/IR 648                           | Tailandia |
| 28        | IR 5853-118-5           | Nam Saguí 19//IR 2071-88//IR 2061-214 | IRRI      |
| 29        | IR 14753-120-3          | IR 4683-54-2/IR 2058-78-1-3-2-3       | IRRI      |
| 30        | CICA 4 (Testigo)        |                                       | Colombia  |

CUADRO NO. 2.B VIRAL-T , 1982. VARIETADES TEMPRANAS  
SEXTO VIVERO INTERNACIONAL DE RENDIMIENTO DE ARROZ PARA AMERICA LATINA  
LOCALIZACION DE LAS PRUEBAS Y NOMBRE DE LOS COOPERADORES

| I | I        | I             | I                    | I  | I | I         | I          | I         | I |
|---|----------|---------------|----------------------|--|---|-----------|------------|-----------|---|
| I | I PRUEBA | I             | I                    | I  | I | I         | I          | I         | I |
| I | I NO.    | I PAIS        | I LOCALIDAD          | I ESTACION EXPERIMENTAL / COOPERADOR                         | I | I LATITUD | I LONGITUD | I ALTITUD | I |
| I | I        | I             | I                    | I  | I | I GR-MIN  | I GR-MIN   | I (MSNN)  | I |
| I | I        | I             | I                    | I  | I | I         | I          | I         | I |
| I | I 1      | I COLOMBIA    | I PALMIRA            | I CIAT / MANUEL J. ROSERO-LUIS E. BERRIO-JENNY S. GAONA      | I | I 3-31 N  | I 76-20 W  | I 1000    | I |
| I | I 2      | I COLOMBIA    | I VILLAVICENCIO      | I ICA-LA LIBERTAD / ERNESTO ANDRADE-ALBERTO DAVALOS          | I | I 4- 3 N  | I 73-29 W  | I 336     | I |
| I | I 3      | I COLOMBIA    | I AGUACHICA          | I FINCA BELLACRUZ / JAIME HENRY MORALES MESIAS               | I | I 8-15 N  | I 73-40 W  | I 170     | I |
| I | I 4      | I MEXICO      | I CHETUMAL           | I CAMPO AGR. CHETUMAL / HOMERO QUINTERO SEDANE               | I | I 18-31 N | I 80-29 W  | I 25      | I |
| I | I 5      | I MEXICO      | I CULIACAN           | I CAEVACU / SALVADOR MEDINA CHAVEZ                           | I | I 24-36 N | I 107-27 W | I 37      | I |
| I | I 6      | I MEXICO      | I CAMPECHE           | I YOHALTUN / N.N.  | I | I 19- 0 N | I 90- 0 W  | I 50      | I |
| I | I 7      | I MEXICO      | I JUCHITAN           | I C.A.E. ISTMO DE TEHUANTEPEC / RAUL PEREZ PEREZ             | I | I 16-25 N | I 94-43 W  | I 40      | I |
| I | I 8      | I MEXICO      | I HUIMANGUILLO       | I CAMPO AGR. HUIMANGUILLO / ANTELMO CONTRERAS LOPEZ          | I | I 18-11 N | I 92-43 W  | I 30      | I |
| I | I 9      | I MEXICO      | I LA LAGUNA          | I HERMANOS CEDILLO / COMISION DEL PAPALDAPAN UXPANAPA        | I | I 17-17 N | I 94-45 W  | I 130     | I |
| I | I 10     | I MEXICO      | I EBANO              | I C. AGP. AUX. DE EBANO / OSCAR AGUSTIN DELGADO VARELA       | I | I 22-12 N | I 98-23 W  | I 55      | I |
| I | I 11     | I MEXICO      | I CERRO DE ORTEGA    | I CAMPO AGR. TECOMAN / JOSE LUIS VAZQUEZ JIMENEZ             | I | I 18-44 N | I 103-43 W | I 20      | I |
| I | I 12     | I MEXICO      | I CUAUHTEMOC. COLIMA | I CAMPO AGR. COLIMA / JOSE LUIS VAZQUEZ JIMENEZ              | I | I 19-21 N | I 103-36 W | I 840     | I |
| I | I 13     | I BELICE      | I PUNTA GORDA        | I BLUE CREEK / PETER LEE-PERFECTO VICTORIN                   | I | I 16- 0 N | I 89- 0 W  | I 20      | I |
| I | I 14     | I BELICE      | I PUNTA GORGA        | I SAN PEDRO COLUMBIA / PETER LEE-PERFECTO VICTORIN           | I | I 16- 0 N | I 89- 0 W  | I 100     | I |
| I | I 15     | I GUATEMALA   | I CUYUTA             | I CUYUTA / W.R. PAZOS-D.R. GARCIA-R.C. DIAZ                  | I | I 14- 7 N | I 90-52 W  | I 48      | I |
| I | I 16     | I GUATEMALA   | I IZABAL             | I LA CRISTINA / W.R. PAZOS-CARLOS F. ALBUREZ-R.C. DE LA CRUZ | I | I 15-17 N | I 89- 2 W  | I 69      | I |
| I | I 17     | I GUATEMALA   | I PANZOS             | I FINCA SEPUR / W.R. PAZOS-EGGAR BARRIENTOS-JUAN FUENTES     | I | I 15-30 N | I 89-30 W  | I         | I |
| I | I 18     | I EL SALVADOR | I ARCE               | I SAN ANDRES / LUIS ALBERTO GUERRERO                         | I | I 13-48 N | I 85-24 W  | I 460     | I |
| I | I 19     | I HONDURAS    | I EL PROGRESO        | I GUAYNAS / ROLANDO RUBI ELLIS                               | I | I 15-30 N | I 87-48 W  | I 60      | I |
| I | I 20     | I HONDURAS    | I LA CEIBA           | I CURLA / AGUSTIN MORAZAN OCAMPO                             | I | I 14-74 N | I 86-78 W  | I 9       | I |
| I | I 21     | I COSTA RICA  | I CANAS              | I E.J.N. / JOSE I. MURILLO                                   | I | I 10-20 N | I 85- 8 W  | I 12      | I |
| I | I 22     | I PANAMA      | I TOCUMEN            | I CEIAT / EZEQUIEL ESPINOSA-ARIEL JAEN                       | I | I 9-23 N  | I 79-23 W  | I 10      | I |
| I | I 23     | I PANAMA      | I ALANJE             | I CAMPO EXP. ALANJE / DELIA MARIA JIMENEZ                    | I | I -       | I -        | I         | I |
| I | I 24     | I PANAMA      | I CHEPO              | I CHICHERRE F-32 / ROLANDO LABO GUEVARA                      | I | I 9- 8 N  | I 79- 8 W  | I 3       | I |
| I | I 25     | I PANAMA      | I DAVID              | I CEIACHI / SAMUEL LEZCANO-EZEQUIEL ESPINOSA                 | I | I 8-20 N  | I 82-20 W  | I 15      | I |
| I | I 26     | I PANAMA      | I RIO HATO           | I C. EXP. DE RIO HATO / CLAUDIO FERNANDEZ-EZEQUIEL ESPINOSA  | I | I 8-25 N  | I 80-15 W  | I 10      | I |
| I | I 27     | I PANAMA      | I PENONOME           | I EL COCO-PENONOME / PEDRO HIM-LUISA MARTINEZ                | I | I 0-28 N  | I 80-22 W  | I 55      | I |
| I | I 28     | I CUBA        | I BAUTA              | I ECTA / BERTALINA LEYVA-PEDRO JULIO GOMEZ                   | I | I -       | I -        | I         | I |
| I | I 29     | I VENEZUELA   | I ARAURE             | I ARAURE / ANIBAL RODRIGUEZ H.                               | I | I 9-33 N  | I 69-12 W  | I 200     | I |
| I | I 30     | I VENEZUELA   | I CALABOZO           | I CALABOZO / ALBERTO JOSE SALIN                              | I | I 8-56 N  | I 67-25 W  | I 100     | I |
| I | I 31     | I GUYANA      | I CORENTYNE          | I BLACK BUSH POLDER / JEFF C. H. WANG-D. PITAMBER            | I | I 6-10 N  | I 57-15 W  | I 0       | I |
| I | I 32     | I BOLIVIA     | I SANTA CRUZ         | I PORTACHUELO / PROGRAMA ARROZ CIAT                          | I | I 17-20 S | I 63-25 W  | I 260     | I |
| I | I 33     | I PARAGUAY    | I EUSEBIO AYALA      | I CAMPO EXP. DE ARROZ / JURGE ESTEBAN RODAS G.               | I | I -       | I -        | I         | I |
| I | I 34     | I URUGUAY     | I TREINTA Y TRES     | I EST. EXP. DEL ESTE / NICOLAS CHEBATAROFF                   | I | I 33- 0 S | I 52- 0 W  | I 30      | I |
| I | I 35     | I ARGENTINA   | I CORRIENTES         | I INTA / W. JETTER-MIRANDA-MARIN                             | I | I 27-39 S | I 58-46 W  | I 56      | I |

| PRUEBA NO. | FECHA DE SIEMBRA | PRECIPITACION |      | FERTILIZACION (KG/HA) |    |    | SISTEMA DE CULTIVO   | PROTECCION CONTRA INSECTOS | INSECTOS   | ENFERMEDADES |     |     |     |     |   |
|------------|------------------|---------------|------|-----------------------|----|----|----------------------|----------------------------|--|--------------|-----|-----|-----|-----|---|
|            |                  | DIAS          | MM   | N                     | P  | K  |                      |                            |  | BL           | LSC | HB  | SHB | GID |   |
| I          |                  |               |      |                       |    |    |                      |                            |  |              |     |     |     |     | I |
| I 1        | ABR-26-82        | 29            | 194  | 100                   |    |    | RIEGO TRANSPLANTE    | NECESARIA                  | HYDRELLIA SP.  |              |     |     |     |     | I |
| I 2        | MAY-20-82        |               |      | 120                   | 52 | 75 | RIEGO                |                            | DEBALUS POECILUS   |              |     |     |     |     | I |
| I 3        | ABR- 4-82        | 22            | 1316 | 120                   | 17 | 33 | RIEGO                | NECESARIA                  | EUETHEOLA BIDENTATA<br>SPODOPTERA FRUGIPERDA<br>CHINCHES                   | BL           | LSC | HB  |     |     | I |
| I 4        | JUL- 1-82        | 47            | 813  | 50                    | 22 |    | SECANO FAVORECIDO    | NINGUNA                    |  |              | BS  | NBL | LSC |     | I |
| I 5        | JUL-19-82        | 36            | 455  | 300                   |    |    | RIEGO                | NECESARIA                  | DRAECULACEPHALA CLYPEA   |              | BS  |     |     |     | I |
| I 6        | JUL- 1-82        |               | 245  | 138                   |    |    | SECANO FAVORECIDO    |                            |  |              | BL  | NBL | LSC |     | I |
| I 7        | ENE- 5-83        | 14            | 103  | 150                   | 17 |    | RIEGO                | NECESARIA                  | CHINCHES   |              |     |     |     |     | I |
| I 8        | JUL- 8-82        | 63            | 1686 | 80                    | 17 |    | SECANO FAVORECIDO    | NECESARIA                  | DEBALUS INSULARIS  |              | BS  | LSC | SHB |     | I |
| I 9        | JUL- 1-82        | 113           | 2380 | 60                    | 31 |    | SECANO FAVORECIDO    | NINGUNA                    | CHINCHES   |              | LSC | BS  | BL  | GID | I |
| I 10       | JUL-13-82        | 25            | 258  | 150                   | 17 |    | RIEGO                | NECESARIA                  | DEBALUS MEXICANA   |              | BS  |     |     |     | I |
| I 11       | JUL- 7-82        |               | 415  | 180                   |    |    | RIEGO                |                            |  |              |     |     |     |     | I |
| I 12       | JUL-14-82        |               |      | 180                   |    |    | SECANO FAVORECIDO    | NECESARIA                  | SOGATODES ORYZICOLA  |              |     |     |     |     | I |
| I 13       | JUL-12-82        |               |      | 90                    | 22 |    | RIEGO TRANSPLANTE    |                            |  |              |     |     |     |     | I |
| I 14       | JUN-20-82        |               |      | 30                    | 22 |    | SECANO FAVORECIDO    | NINGUNA                    |  |              |     |     |     |     | I |
| I 15       | JUN- 2-82        | 74            | 1186 | 120                   | 13 | 25 | SECANO FAVORECIDO    |                            | SPODOPTERA FRUGIPERDA<br>TIRACA LIMBATIVENTRIS<br>HORTENSIA SIMILIS        | BS           | LSC | GID |     |     | I |
| I 16       | MAY-28-82        | 88            | 1811 | 40                    | 26 |    | SECANO FAVORECIDO    | NECESARIA                  |  |              | NBL | LSC |     |     | I |
| I 17       | MAY-29-82        | 133           | 2106 | 64                    | 26 | 17 | SECANO FAVORECIDO    | NECESARIA                  | BLISSUS LEUCOPTERUS<br>DEBALUS SP.   |              | BS  | LSC |     |     | I |
| I 18       | JUN- 4-82        | 96            | 1189 | 109                   | 23 |    | SECANO FAVORECIDO    | NECESARIA                  |  |              | NBL | LSC |     |     | I |
| I 19       | JUL- 5-82        | 96            | 1252 | 105                   | 22 | 21 | SECANO FAVORECIDO    | NECESARIA                  | CHINCHES   |              |     |     |     |     | I |
| I 20       | JUL-23-82        | 64            | 1043 | 150                   | 17 | 17 | SECANO FAVORECIDO    | NECESARIA                  | RUPELLA ALBINELLA<br>NEZARA VIRIDULA                                       |              | MO* | LSC | BS  |     | I |
| I 21       | JUL-16-82        | 76            | 850  | 73                    | 9  | 5  | SECANO NO FAVORECIDO | NINGUNA                    |  |              | BL  | LSC | SHB |     | I |
| I 22       | JUN-14-82        | 79            | 867  | 80                    | 17 | 17 | SECANO FAVORECIDO    | NECESARIA                  | CHINCHES   |              | SHB | LSC | BS  | MO* | I |
| I 23       | MAY-31-82        |               |      | 90                    | 17 | 21 | SECANO FAVORECIDO    | NINGUNA                    | SOGATODES ORYZICOLA  |              | BL  | SHB | BS  | LSC | I |
| I 24       | JUN-30-82        | 90            | 1026 | 99                    |    |    | SECANO FAVORECIDO    | NINGUNA                    |  |              |     |     |     |     | I |
| I 25       | JUL-16-82        | 83            | 1325 | 100                   | 22 | 21 | SECANO FAVORECIDO    | NINGUNA                    |  |              | BL  | NBL | LSC |     | I |
| I 26       | JUL- 8-82        | 35            | 399  | 100                   | 26 | 25 | SECANO FAVORECIDO    | NECESARIA                  | CHINCHES   |              | LSC | BL  |     |     | I |
| I 27       | AGO- 6-82        |               |      | 69                    | 24 | 23 | RIEGO                | NECESARIA                  |  |              |     |     |     |     | I |
| I 28       | AGO- 2-82        |               |      | 120                   | 48 | 62 | RIEGO                | NECESARIA                  |  |              | BL  |     |     |     | I |
| I 29       | MAY-21-82        |               |      | 36                    | 26 |    | RIEGO                | NINGUNA                    |  |              |     |     |     |     | I |
| I 30       | AGO-25-82        | 38            | 251  | 138                   | 20 | 38 | RIEGO TRANSPLANTE    | NECESARIA                  | CHINCHES   |              | BL  | HB  |     |     | I |
| I 31       | ENE-10-83        | 42            | 722  | 60                    | 13 |    | RIEGO TRANSPLANTE    | NECESARIA                  | DEBALUS POECILUS<br>HYDPELLIA SP.<br>SPODOPTERA FRUGIPERDA<br>BARRENADORES |              |     |     |     |     | I |
| I 32       | NOV- 1-82        | 70            | 1161 | 80                    | 17 | 25 | SECANO FAVORECIDO    | NECESARIA                  | BARRENADORES   |              | LSC | BS  | BL  |     | I |
| I 33       | DIC-27-82        |               |      | 50                    | 26 | 25 | RIEGO                |                            | SPODOPTERA FRUGIPERDA<br>DEBALUS POECILUS<br>SPODOPTERA FRUGIPERDA         |              | NBL | BS  | SHB | LSC | I |
| I 34       | NOV-19-82        | 37            | 573  | 80                    | 30 |    | RIEGO                | NINGUNA                    |  |              |     |     |     |     | I |
| I 35       | NOV-17-82        | 67            | 1315 |                       |    |    | RIEGO                | NINGUNA                    |  |              | SHB | BB  |     |     | I |

CUADRO NO. 2.1 VIRAL-T, 1982. VARIETADES TEMPRANAS  
 SEXTO VIVERO INTERNACIONAL DE RENDIMIENTO DE ARROZ PARA AMERICA LATINA  
 PRUEBA NO. 1

COOPERADOR: MANUEL J. ROSERO-LUIS E. BERRIO-JENNY S. GAONA

```

=====
PAIS..... COLOMBIA          TEMPERATURA MIN.... 19 GR.C    TEXTURA..... ARCILLOSO-LIMOSO
LOCALIDAD..... PALMIRA        MAX.... 30 GR.C          PH..... 7.5
EST. EXPERIMENTAL.. CIAT      PROM.... 25 GR.C        FERTILIZACION... 100 N      P      K
LATITUD..... 3 GR. 31' N      PRECIPITACION..... 194MM
LONGITUD..... 76 GR. 20' W    DIAS LLUVIOSOS..... 20
ALTITUD (MSNM).... 1000
=====
PROTECCION CONTRA: ENFERMEDADES..
INSECTOS..... NECESARIA
HYDRELLIA SP.
CEBALUS POECILUS
    
```

SISTEMA DE CULTIVO: RIEGO TRANSPLANTE COMENTARIOS:

| I | VARIEDAD                     | LINEA CODIGO | RENDIMIENTO (TON/HA) | POSICION | DIAS A    |            | ALTURA LOG (CM) | ENFERMEDADES Y OTROS PROBLEMAS | I |
|---|------------------------------|--------------|----------------------|----------|-----------|------------|-----------------|--------------------------------|---|
|   |                              |              |                      |          | FLORACION | MADURACION |                 |                                |   |
| I | P2015F4-100-18-1B            | 1            | 5.81                 | 8        | 109.33    | 139.33     | 91.67           | 1                              | I |
| I | P2013F4-82-2-1B              | 2            | 5.68                 | 9        | 104.33    | 135.33     | 91.67           | 1                              | I |
| I | P2015F4-66-1-1B              | 3            | 5.61                 | 13       | 102.67    | 133.00     | 89.00           | 1                              | I |
| I | P2015F4-66-5-1B              | 4            | 5.44                 | 17       | 102.33    | 131.67     | 91.33           | 1                              | I |
| I | P2015F4-82-5-1B              | 5            | 5.16                 | 27       | 102.33    | 131.67     | 88.67           | 1                              | I |
| I | P2015F4-138-3-1B             | 6            | 5.17                 | 26       | 108.00    | 138.00     | 90.67           | 1                              | I |
| I | P2015F4-148-5-1B             | 7            | 5.63                 | 12       | 110.00    | 140.00     | 92.67           | 1                              | I |
| I | P2015F4-150-4-1B             | 8            | 5.82                 | 7        | 111.33    | 140.33     | 94.67           | 1                              | I |
| I | P2020F4-46-2-1B              | 9            | 5.35                 | 22       | 109.00    | 138.33     | 92.67           | 1                              | I |
| I | CICA 8 (TESTIGO)             | 10           | 5.63                 | 12       | 110.33    | 139.67     | 92.67           | 1                              | I |
| I | P2020F4-140-3-1B             | 11           | 5.55                 | 14       | 110.33    | 139.33     | 93.67           | 1                              | I |
| I | P2020F4-149-1-1B             | 12           | 5.45                 | 16       | 109.00    | 138.67     | 93.00           | 1                              | I |
| I | P2020F4-161-5-1B             | 13           | 5.40                 | 21       | 109.33    | 139.00     | 92.00           | 1                              | I |
| I | P2030F4-226-18-1B            | 14           | 5.23                 | 24       | 110.67    | 138.33     | 90.00           | 1                              | I |
| I | P2023F4-74-2-1B              | 15           | 5.13                 | 28       | 102.00    | 133.33     | 96.67           | 1                              | I |
| I | P2025F4-159-3-1B             | 16           | 5.63                 | 10       | 105.67    | 134.33     | 95.00           | 1                              | I |
| I | P2026F4-12-2-1B              | 17           | 4.80                 | 30       | 106.33    | 136.33     | 93.33           | 1                              | I |
| I | P2030F4-217-4-1B             | 18           | 5.24                 | 23       | 103.33    | 134.67     | 88.00           | 1                              | I |
| I | P2030F4-222-1-1B             | 19           | 4.79                 | 31       | 99.67     | 130.67     | 87.00           | 1                              | I |
| I | IR 43 (TESTIGO)              | 20           | 5.42                 | 19       | 101.00    | 132.33     | 83.00           | 1                              | I |
| I | P2030F4-222-2-1B             | 21           | 5.50                 | 15       | 101.00    | 131.33     | 85.67           | 1                              | I |
| I | P2030F4-243-4-1B             | 22           | 5.44                 | 18       | 105.67    | 134.67     | 90.33           | 1                              | I |
| I | P2034F4-25-6-1B              | 23           | 5.99                 | 6        | 103.67    | 134.33     | 90.33           | 1                              | I |
| I | P1697-15-1-4-1-1B-1B         | 24           | 6.28                 | 4        | 107.33    | 138.00     | 91.67           | 1                              | I |
| I | IR4422-98-3-5-1              | 25           | 6.44                 | 1        | 105.67    | 137.00     | 105.33          | 1                              | I |
| I | IR2153-276-1-10-PR509        | 26           | 6.25                 | 5        | 101.00    | 133.00     | 91.00           | 1                              | I |
| I | SPR7284-57-5                 | 27           | 4.97                 | 29       | 105.00    | 135.33     | 93.33           | 1                              | I |
| I | IR5953-118-5                 | 28           | 5.20                 | 25       | 95.33     | 125.33     | 92.67           | 1                              | I |
| I | IR14753-120-3                | 29           | 6.32                 | 3        | 106.67    | 136.67     | 107.33          | 2                              | I |
| I | CICA 4 (TESTIGO)             | 30           | 5.41                 | 20       | 100.67    | 131.33     | 84.67           | 1                              | I |
| I | GRYZICAL (T.LUCAL)           | 31           | 6.42                 | 2        | 98.00     | 131.67     | 97.00           | 1                              | I |
| I | PRUMEDIO GENERAL             |              | 5.55                 |          | 105.19    | 135.23     | 92.25           | 1.0                            | I |
| I | DESVIACION ESTANDAR          |              | 0.47                 |          | 1.25      | 1.54       | 3.16            |                                | I |
| I | COEFICIENTE DE VARIACION (%) |              | 8.50                 |          | 1.19      | 1.14       | 3.43            |                                | I |
| I | VALOR F PARA COMP. VARIETAL  |              | 2.66                 |          | 34.02     | 15.51      | 7.04            |                                | I |
| I | PR <sub>0.05</sub> > F       |              | 0.0006               |          | 0.0001    | 0.0001     | 0.0001          |                                | I |
| I | D.M.S. (Sx)                  |              | 0.77                 |          | 2.04      | 2.51       | 5.16            |                                | I |



COOPERADOR : ERNESTO ANDRADE-ALBERTO CAVALUS

|                     |                 |                     |      |                    |                                   |
|---------------------|-----------------|---------------------|------|--------------------|-----------------------------------|
| PAIS.....           | COLUMBIA        | TEMPERATURA MIN.... | GR.C | TEXTURA.....       | FRANCO-ARCILLOSO                  |
| LOCALIDAD.....      | VILLAVICENCIO   | MAX.....            | GR.C | PH.....            | 5.9                               |
| EST. EXPERIMENTAL.. | ICA-LA LIBERTAD | PRGM....            | GR.C | FERTILIZACION...   | 120 N 52 P 75 K                   |
| LATITUD.....        | 4 GR. 3' N      | PRECIPITACION.....  | MM   | PROTECCION CONTRA: | ENFERMEDADES..                    |
| LONGITUD.....       | 73 GR. 29' W    | DIAS LLUVIOSOS..... |      |                    | INSECTOS.....                     |
| ALTITUD (MSNM)....  | 336             |                     |      |                    | INSECTOS..... EUETHEDLA BIDENTATA |

SISTEMA DE CULTIVO: RIEGO

COMENTARIOS: PROBLEMAS DE GERMINACION Y SUELOS

| I | I | VARIEDAD                     | LINEA RENDIMIENTO |          | DIAS A POSICION | DIAS A FLORACION | DIAS A MADURACION | ALTURA LGD (CM) | ENFERMEDADES Y OTROS PROBLEMAS |     |     |    |     |     | I   |   |
|---|---|------------------------------|-------------------|----------|-----------------|------------------|-------------------|-----------------|--------------------------------|-----|-----|----|-----|-----|-----|---|
|   |   |                              | CODIGO            | (TON/HA) |                 |                  |                   |                 | BL                             | SHB | NBL | BS | LSC | HB  |     |   |
| I | I | P2015F4-108-10-1B            | 1                 |          |                 |                  |                   |                 | 2                              |     |     |    |     | 5   |     | I |
| I | I | P2013F4-82-2-1B              | 2                 |          |                 |                  |                   |                 | 1                              |     |     |    |     | 5   |     | I |
| I | I | P2015F4-66-1-1B              | 3                 |          |                 |                  |                   |                 | 2                              |     |     |    |     | 5   |     | I |
| I | I | P2015F4-66-5-1B              | 4                 |          |                 |                  |                   |                 | 0                              |     |     |    |     | 5   |     | I |
| I | I | P2015F4-62-5-1B              | 5                 |          |                 |                  |                   |                 | 0                              |     |     |    |     | 4   |     | I |
| I | I | P2015F4-138-3-1B             | 6                 |          |                 |                  |                   |                 | 0                              |     |     |    |     | 6   |     | I |
| I | I | P2015F4-148-5-1B             | 7                 |          |                 |                  |                   |                 | 2                              |     |     |    |     | 5   |     | I |
| I | I | P2015F4-150-4-1B             | 8                 |          |                 |                  |                   |                 | 0                              |     |     |    |     | 5   |     | I |
| I | I | P2020F4-46-2-1B              | 9                 |          |                 |                  |                   |                 | 2                              |     |     |    |     | 5   |     | I |
| I | I | ICA 8 (TESTIGO)              | 10                |          |                 |                  |                   |                 | 3                              |     |     |    |     | 5   |     | I |
| I | I | P2020F4-140-3-1B             | 11                |          |                 |                  |                   |                 | 2                              |     |     |    |     | 5   |     | I |
| I | I | P2020F4-149-1-1B             | 12                |          |                 |                  |                   |                 | 3                              |     |     |    |     | 5   |     | I |
| I | I | P2020F4-161-5-1B             | 13                |          |                 |                  |                   |                 | 3                              |     |     |    |     | 5   |     | I |
| I | I | P2030F4-226-10-1B            | 14                |          |                 |                  |                   |                 | 2                              |     |     |    |     | 0   |     | I |
| I | I | P2023F4-74-2-1B              | 15                |          |                 |                  |                   |                 | 0                              |     |     |    |     | 1   |     | I |
| I | I | P2025F4-159-3-1B             | 16                | 3.77     | 3               | 97.00            | 130.00            |                 | 2                              |     |     |    | 5   | 0   |     | I |
| I | I | P2026F4-12-2-1B              | 17                |          |                 |                  |                   |                 | 0                              |     |     |    |     | 6   |     | I |
| I | I | P2030F4-217-4-1B             | 18                | 4.50     | 1               |                  |                   |                 | 3                              |     |     |    |     | 0   |     | I |
| I | I | P2030F4-222-1-1B             | 19                |          |                 |                  |                   |                 | 2                              |     |     |    |     | 1   |     | I |
| I | I | IR 43 (TESTIGO)              | 20                |          |                 |                  |                   |                 | 0                              |     |     |    |     | 3   |     | I |
| I | I | P2030F4-222-2-1B             | 21                |          |                 |                  |                   |                 | 0                              |     |     |    |     | 1   |     | I |
| I | I | P2030F4-243-4-1B             | 22                |          |                 |                  |                   |                 | 0                              |     |     |    |     | 0   |     | I |
| I | I | P2034F4-25-6-1B              | 23                |          |                 |                  |                   |                 | 3                              |     |     |    |     | 6   |     | I |
| I | I | P1897-15-1-4-1-1B-1B         | 24                |          |                 |                  |                   |                 | 0                              |     |     |    |     | 4   |     | I |
| I | I | IR4422-98-3-6-1              | 25                | 3.37     | 4               | 99.00            | 134.00            |                 | 0                              |     |     |    |     | 1   |     | I |
| I | I | IR2153-275-1-10-PR509        | 26                | 3.33     | 5               | 98.00            | 130.00            |                 | 0                              |     |     |    |     | 1   |     | I |
| I | I | SPR72P4-57-5                 | 27                |          |                 |                  |                   |                 | 1                              |     |     |    |     | 4   |     | I |
| I | I | IP3853-118-5                 | 28                |          |                 |                  |                   |                 | 1                              |     |     |    |     | 2   |     | I |
| I | I | IR1475J-120-3                | 29                |          |                 |                  |                   |                 | 0                              |     |     |    |     | 1   |     | I |
| I | I | ICA 4 (TESTIGO)              | 30                | 4.11     | 2               | 87.00            | 120.00            |                 | 5                              |     |     |    |     | 0   |     | I |
| I | I | NETICAI (T.LUCAL)            | 31                |          |                 |                  |                   |                 | 0                              |     |     |    |     | 0   |     | I |
| I | I | PROMEDIO GENERAL             |                   | 3.62     |                 | 95.25            | 128.50            |                 | 1.3                            |     |     |    |     | 5.0 | 3.1 | I |
| I | I | DESVIACION ESTANDAR          |                   | 0.82     |                 |                  |                   |                 |                                |     |     |    |     |     |     | I |
| I | I | COEFICIENTE DE VARIACION (%) |                   | 21.33    |                 |                  |                   |                 |                                |     |     |    |     |     |     | I |
| I | I | VALOR F PARA COMP. VARIETAL  |                   | 0.77     |                 |                  |                   |                 |                                |     |     |    |     |     |     | I |
| I | I | PROD. > F                    |                   | 0.5869   |                 |                  |                   |                 |                                |     |     |    |     |     |     | I |
| I | I | D.M.S. (5%)                  |                   | 1.72     |                 |                  |                   |                 |                                |     |     |    |     |     |     | I |

COOPERADOR : JAIMÉ HENRY MORALLS MESTAS

|                     |                 |                      |         |                    |                         |
|---------------------|-----------------|----------------------|---------|--------------------|-------------------------|
| PAIS.....           | COLOMBIA        | TEMPERATURA MIN..... | 27 GR.C | TEXTURA.....       | ARCILLOSO-ARENOSO       |
| LOCALIDAD.....      | AGUACHICA       | MAX.....             | 29 GR.C | PH.....            | 6.5                     |
| EST. EXPERIMENTAL.. | FINCA BELLACRUZ | PRUM.....            | 23 GR.C | FERTILIZACION...   | 120 N 17 P 33 K         |
| LATITUD.....        | 8 GR. 15' N     | PRECIPITACION.....   | 1318MM  | PROTECCION CONTRA: | ENFERMEDADES.. NINGUNA  |
| LONGITUD.....       | 73 GR. 40' W    | DIAS LLOVIOSOS.....  | 22      | INSECTOS.....      | INSECTOS..... NECESARIA |
| ALTITUD (MSNM)....  | 170             |                      |         |                    | CHINCHES                |

SISTEMA DE CULTIVO: RIEGO

COMENTARIOS: MUCHO EPOCAS LARGAS DE SEQUIA

| I | VARIEDAD                     | LINEA RENDIMIENTO |          | DIAS A FLORACION | DIAS A MADURACION | ALTURA LGD (CM) | ENFERMEDADES Y OTROS PROBLEMAS |     |     |    |     | I |    |   |
|---|------------------------------|-------------------|----------|------------------|-------------------|-----------------|--------------------------------|-----|-----|----|-----|---|----|---|
|   |                              | CODIGO            | (TON/HA) |                  |                   |                 | BL                             | SHB | NBL | BS | LSC |   | HB |   |
| I | P2015F4-108-18-18            | 1                 | 4.47     | 22               | 98.67             | 119.33          | 93.00                          | 1   |     |    |     |   |    | I |
| I | P2015F4-82-2-18              | 2                 | 5.29     | 13               | 93.33             | 117.67          | 94.67                          | 2   |     |    |     |   |    | I |
| I | P2015F4-66-1-18              | 3                 | 5.56     | 6                | 94.67             | 115.00          | 92.33                          | 1   |     |    |     |   |    | I |
| I | P2015F4-66-5-18              | 4                 | 4.89     | 18               | 94.00             | 113.33          | 94.67                          | 2   |     |    |     |   |    | I |
| I | P2015F4-62-5-18              | 5                 | 4.73     | 20               | 94.33             | 114.67          | 90.67                          | 2   |     |    |     |   |    | I |
| I | P2015F4-138-3-18             | 6                 | 5.29     | 12               | 94.33             | 114.33          | 92.00                          | 1   |     |    |     |   |    | I |
| I | P2015F4-148-5-18             | 7                 | 3.91     | 28               | 94.67             | 117.67          | 96.33                          | 2   |     |    |     |   |    | I |
| I | P2015F4-150-4-18             | 8                 | 3.91     | 28               | 96.33             | 117.33          | 101.00                         | 1   |     |    |     |   |    | I |
| I | P2020F4-46-2-18              | 9                 | 5.20     | 14               | 94.33             | 111.33          | 90.00                          | 1   |     |    |     |   |    | I |
| I | CICA 8 (TESTIGO)             | 10                | 5.51     | 9                | 94.33             | 113.33          | 88.33                          | 1   | 2   |    |     |   |    | I |
| I | P2020F4-140-3-18             | 11                | 5.56     | 6                | 94.00             | 114.00          | 90.67                          | 5   | 1   |    |     |   |    | I |
| I | P2020F4-149-1-18             | 12                | 5.64     | 3                | 92.33             | 113.33          | 92.00                          | 2   |     |    |     |   |    | I |
| I | P2020F4-161-5-18             | 13                | 3.87     | 29               | 95.67             | 113.00          | 85.33                          | 2   |     |    |     |   |    | I |
| I | P2030F4-226-18-18            | 14                | 2.83     | 31               | 102.00            | 124.00          | 88.00                          | 2   |     |    |     |   |    | I |
| I | P2023F4-74-2-18              | 15                | 3.02     | 30               | 98.00             | 118.33          | 97.33                          | 2   |     |    |     |   |    | I |
| I | P2025F4-159-3-18             | 16                | 4.18     | 24               | 98.67             | 119.00          | 100.00                         | 1   |     |    |     |   |    | I |
| I | P2026F4-12-2-18              | 17                | 5.73     | 2                | 90.00             | 113.33          | 105.67                         | 3   | 2   |    |     |   |    | I |
| I | P2030F4-217-4-18             | 18                | 4.13     | 25               | 98.00             | 119.33          | 100.67                         | 1   |     |    |     |   |    | I |
| I | P2030F4-222-1-18             | 19                | 4.80     | 19               | 94.00             | 118.67          | 98.00                          | 1   |     |    |     |   |    | I |
| I | IR 43 (TESTIGO)              | 20                | 4.09     | 26               | 92.00             | 114.67          | 88.67                          | 2   |     |    |     |   |    | I |
| I | P2030F4-222-2-18             | 21                | 4.18     | 24               | 96.67             | 117.00          | 96.00                          | 1   |     |    |     |   |    | I |
| I | P2030F4-243-4-18             | 22                | 5.44     | 10               | 94.00             | 115.67          | 92.67                          | 2   |     |    |     |   |    | I |
| I | P2014F4-25-6-18              | 23                | 5.51     | 9                | 94.00             | 112.67          | 101.00                         | 3   |     |    |     |   |    | I |
| I | PI897-15-1-4-1-18-18         | 24                | 4.67     | 21               | 92.00             | 114.67          | 98.33                          | 2   |     |    |     |   |    | I |
| I | IR4422-98-3-6-1              | 25                | 5.56     | 4                | 96.67             | 117.67          | 110.67                         | 2   |     |    |     |   |    | I |
| I | IR2153-276-1-10-PR509        | 26                | 6.49     | 1                | 88.33             | 114.67          | 97.00                          | 1   |     |    |     |   |    | I |
| I | SPR7284-57-5                 | 27                | 5.42     | 11               | 95.33             | 114.33          | 104.00                         | 2   |     |    |     |   |    | I |
| I | IR585J-118-5                 | 28                | 5.51     | 7                | 89.33             | 112.67          | 107.33                         | 1   |     |    |     |   |    | I |
| I | IR14753-120-3                | 29                | 5.07     | 16               | 96.67             | 118.33          | 104.00                         | 5   | 1   |    |     |   |    | I |
| I | CICA 4 (TESTIGO)             | 30                | 5.11     | 15               | 92.33             | 113.67          | 91.33                          | 2   |     |    |     |   |    | I |
| I | TESTIGO LOCAL                | 31                | 5.02     | 17               | 93.33             | 111.67          | 99.33                          | 2   |     |    |     |   |    | I |
| I | PROMEDIO GENERAL             |                   | 4.86     |                  | 94.40             | 115.63          | 96.16                          | 3.5 | 1.6 |    |     |   |    | I |
| I | DESVIACION ESTANDAR          |                   | 0.87     |                  | 2.48              | 2.21            | 6.17                           |     |     |    |     |   |    | I |
| I | COEFICIENTE DE VARIACION (x) |                   | 17.84    |                  | 2.63              | 1.91            | 6.42                           |     |     |    |     |   |    | I |
| I | VALOR F PARA COMP. VARIETAL  |                   | 2.74     |                  | 6.29              | 4.97            | 3.02                           |     |     |    |     |   |    | I |
| I | PROR. > F                    |                   | 0.0004   |                  | 0.0001            | 0.0001          | 0.0001                         |     |     |    |     |   |    | I |
| I | D.M.S. (5%)                  |                   | 1.42     |                  | 4.05              | 3.62            | 10.08                          |     |     |    |     |   |    | I |

COOPERADOR : HOMERO QUINTERO SLOANE

```

=====
PAIS..... MEXICO
LOCALIDAD..... CHETUMAL
EST. EXPERIMENTAL... CAMPO AGR. CHETUMAL
LATITUD..... 18 GR. 31' N
LONGITUD..... 89 GR. 29' W
ALTITUD (MSNM).... 25

TEMPERATURA MIN.... 21 GR.C
MAX..... 31 GR.C
PROM... 26 GR.C

PRECIPITACION..... 813MM
DIAS LLUVIOSOS..... 47

TEXTURA..... ARCILLOSO
PH..... 6.7
FERTILIZACION... 50 N 22 P K

PROTECCION CONTRA: ENFERMEDADES.. NINGUNA
INSECTOS..... NINGUNA
=====
    
```

SISTEMA DE CULTIVO: SECANO FAVORECIDO COMENTARIOS: DEFICIENCIAS DE MICRONUTRIENTES

| I | I | VARIEDAD                     | LINEA CODIGO | RENDIMIENTO (TON/HA) | POSICION | DIAS A FLORACION | DIAS A MADURACION | ALTURA LDG (CM) | ENFERMEDADES Y OTROS PROBLEMAS |     |     |    |     |    |     |   |
|---|---|------------------------------|--------------|----------------------|----------|------------------|-------------------|-----------------|--------------------------------|-----|-----|----|-----|----|-----|---|
|   |   |                              |              |                      |          |                  |                   |                 | BL                             | SHB | NBL | BS | LSC | HB | DRT |   |
| I | I | P2015F4-108-18-18            | 1            | 2.89                 | 14       | 90.00            | 130.00            | 64.33           | 2                              |     | 3   |    | 6   |    | I   |   |
| I | I | P2013F4-82-2-18              | 2            | 3.01                 | 12       | 90.00            | 130.00            | 71.67           | 2                              |     | 2   |    | 6   |    | I   |   |
| I | I | P2015F4-66-1-18              | 3            | 3.07                 |          | 85.00            | 115.00            | 67.67           | 4                              |     | 3   |    | 5   |    | I   |   |
| I | I | P2015F4-66-5-18              | 4            | 2.85                 | 16       | 90.00            | 121.67            | 66.67           | 3                              |     | 2   |    | 5   |    | I   |   |
| I | I | P2015F4-82-5-18              | 5            | 3.05                 | 11       | 90.00            | 120.00            | 64.33           | 4                              |     | 3   |    | 5   |    | I   |   |
| I | I | P2015F4-138-3-18             | 6            | 2.45                 | 24       | 90.00            | 125.00            | 69.33           | 3                              |     | 1   |    | 6   |    | I   |   |
| I | I | P2015F4-148-5-18             | 7            | 3.00                 | 13       | 93.33            | 126.67            | 67.67           | 4                              |     | 1   |    | 4   |    | I   |   |
| I | I | P2015F4-150-4-18             | 8            | 3.17                 | 6        | 91.67            | 126.67            | 73.33           | 4                              |     | 1   |    | 4   |    | I   |   |
| I | I | P2020F4-46-2-18              | 9            | 3.50                 | 1        | 93.33            | 126.67            | 67.33           | 4                              |     | 2   |    | 5   |    | I   |   |
| I | I | CICA 8 (TESTIGO)             | 10           | 3.11                 | 8        | 95.00            | 130.00            | 63.33           | 3                              |     | 1   |    | 5   |    | I   |   |
| I | I | P2020F4-140-3-18             | 11           | 2.87                 | 15       | 85.00            | 120.00            | 63.67           | 3                              |     | 1   |    | 5   |    | I   |   |
| I | I | P2020F4-149-1-18             | 12           | 3.34                 | 2        | 90.00            | 125.00            | 63.00           | 3                              |     | 2   |    | 4   |    | I   |   |
| I | I | P2020F4-161-5-18             | 13           | 3.06                 | 10       | 85.00            | 120.00            | 62.33           | 4                              |     | 1   |    | 5   |    | I   |   |
| I | I | P2030F4-226-18-18            | 14           | 2.62                 | 22       | 95.00            | 135.00            | 61.00           | 1                              |     | 2   |    | 6   |    | I   |   |
| I | I | P2023F4-74-2-18              | 15           | 2.24                 | 27       | 95.00            | 135.00            | 61.67           | 2                              |     | 3   |    | 6   |    | I   |   |
| I | I | P2025F4-159-3-18             | 16           | 2.65                 | 20       | 90.00            | 126.67            | 65.00           | 1                              |     | 2   |    | 6   |    | I   |   |
| I | I | P2026F4-12-2-18              | 17           | 1.76                 | 30       | 91.67            | 125.00            | 65.00           | 3                              |     | 5   |    | 7   |    | I   |   |
| I | I | P2030F4-217-4-18             | 18           | 2.19                 | 28       | 92.50            | 133.33            | 59.67           | 1                              |     | 4   |    | 6   |    | I   |   |
| I | I | P2030F4-222-1-18             | 19           | 3.22                 | 4        | 95.00            | 135.00            | 66.67           | 2                              |     | 2   |    | 4   |    | I   |   |
| I | I | IR 43 (TESTIGO)              | 20           | 2.64                 | 21       | 81.67            | 111.67            | 62.33           | 4                              |     | 2   |    | 6   |    | I   |   |
| I | I | P2030F4-222-2-18             | 21           | 3.33                 | 3        |                  | 133.33            | 66.00           | 2                              |     | 3   |    | 4   |    | I   |   |
| I | I | P2030F4-243-4-18             | 22           | 2.68                 | 19       | 80.00            | 111.67            | 61.00           | 3                              |     | 1   |    | 6   |    | I   |   |
| I | I | P2034F4-25-6-18              | 23           | 3.21                 | 5        | 85.00            | 120.00            | 71.00           | 4                              |     | 2   |    | 4   |    | I   |   |
| I | I | P1897-15-1-4-1-18-18         | 24           | 2.46                 | 23       | 91.67            | 128.33            | 64.00           | 3                              |     | 3   |    | 6   |    | I   |   |
| I | I | IR4422-98-3-6-1              | 25           | 2.69                 | 17       |                  | 133.33            | 61.67           | 2                              |     | 3   |    | 6   |    | I   |   |
| I | I | IR2153-276-1-10-PR509        | 26           | 1.59                 | 31       | 90.00            | 121.67            | 47.67           | 4                              |     | 9   |    | 8   |    | I   |   |
| I | I | SPR7284-57-5                 | 27           | 2.28                 | 26       | 95.00            | 128.33            | 64.00           | 2                              |     | 3   |    | 6   |    | I   |   |
| I | I | IR5953-118-5                 | 28           | 2.12                 | 29       | 90.00            | 120.00            | 57.00           | 3                              |     | 2   |    | 6   |    | I   |   |
| I | I | IR14753-120-3                | 29           | 2.44                 | 25       | 90.00            | 135.00            | 62.67           | 2                              |     | 4   |    | 6   |    | I   |   |
| I | I | CICA 4 (TESTIGO)             | 30           | 2.68                 | 19       | 85.00            | 116.67            | 59.33           | 2                              |     | 2   |    | 6   |    | I   |   |
| I | I | TESTIGO LOCAL                | 31           | 3.15                 | 7        | 95.00            | 131.67            | 72.33           | 3                              |     | 1   |    | 4   |    | I   |   |
| I | I | PROMEDIO GENERAL             |              | 2.75                 |          | 90.03            | 125.75            | 64.28           | 2.8                            |     |     |    | 2.5 |    | 5.5 | I |
| I | I | DESVIACION ESTANDAR          |              | 0.55                 |          | 1.47             | 2.69              | 8.34            |                                |     |     |    |     |    |     | I |
| I | I | COEFICIENTE DE VARIACION (%) |              | 20.13                |          | 1.64             | 2.14              | 12.98           |                                |     |     |    |     |    |     | I |
| I | I | VALOR F PARA COMP. VARIETAL  |              | 2.07                 |          | 21.96            | 19.60             | 1.07            |                                |     |     |    |     |    |     | I |
| I | I | PROB. > F                    |              | 0.0075               |          | 0.0001           | 0.0001            | 0.4048          |                                |     |     |    |     |    |     | I |
| I | I | D.M.S. (5%)                  |              | 0.91                 |          | 2.42             | 4.39              | 13.63           |                                |     |     |    |     |    |     | I |

CUADRO NO. 2.5 VIRAL-T , 1982. VARIETADES TEMPRANAS  
SEXTO VIVERO INTERNACIONAL DE RENDIMIENTO DE ARROZ PARA AMERICA LATINA  
PRUEBA NO. 5

COOPERADOR : SALVADOR MEDINA CHAVEZ

|                    |               |                      |         |                    |  |
|--------------------|---------------|----------------------|---------|--------------------|--|
| PAIS.....          | MEXICO        | TEMPERATURA MIN..... | 18 GR.C | TEXTURA.....       | ARCILLOSO                              |
| LOCALIDAD.....     | CULIACAN      | AAA.....             | 33 GR.C | PH.....            | 6.2                                    |
| EST.EXPERIMENTAL.. | CAEVACU       | PRGM.....            | 26 GR.C | FERTILIZACION...   | 300 N P K                              |
| LATITUD.....       | 24 GR. 36' N  | PRECIPITACION.....   | 455MM   | PROTECCION CONTRA: | ENFERMEDADES.. NECESARIA               |
| LONGITUD.....      | 107 GR. 27' W | DIAS LLUVIOSOS.....  | 36      |                    | INSECTOS..... NECESARIA                |
| ALTITUD (MSNM).... | 37            |                      |         |                    | INSECTOS..... DRAECULACEPHALA CLYPEATA |

SISTEMA DE CULTIVO: RIEGO

COMENTARIOS: HUBO MATERIAL AFECTADO POR ALKALINIDAD

| I | VARIEDAD                     | LINEA RENDIMIENTO |          | DIAS A FLORACION | DIAS A MADURACION | ALTURA LOG (CM) | ENFERMEDADES Y OTROS PROBLEMAS |     |     |     | I   |    |     |    |
|---|------------------------------|-------------------|----------|------------------|-------------------|-----------------|--------------------------------|-----|-----|-----|-----|----|-----|----|
|   |                              | CODIGO            | (TON/HA) |                  |                   |                 | POSICION                       | BL  | SHB | NBL |     | BS | LSC | HB |
| I | P201SF4-108-18-18            | 1                 | 5.76     | 23               | 97.33             | 133.67          | 82.00                          | 3   |     |     |     |    |     | I  |
| I | P2013F4-82-2-18              | 2                 | 5.99     | 19               | 103.67            | 136.67          | 79.67                          | 3   |     | 3   |     |    |     | I  |
| I | P201SF4-66-1-18              | 3                 | 8.11     | 1                | 84.00             | 120.00          | 80.67                          | 3   |     |     |     |    |     | I  |
| I | P201SF4-66-5-18              | 4                 | 7.23     | 3                | 84.00             | 120.00          | 78.33                          | 1   |     |     |     |    |     | I  |
| I | P201SF4-82-5-18              | 5                 | 7.04     | 6                | 85.67             | 120.00          | 74.00                          | 1   |     |     |     |    |     | I  |
| I | P201SF4-138-J-18             | 6                 | 7.51     | 2                | 86.67             | 122.67          | 79.67                          | 3   |     |     |     |    |     | I  |
| I | P201SF4-148-9-18             | 7                 | 6.75     | 8                | 95.33             | 131.67          | 83.00                          | 3   |     |     |     |    |     | I  |
| I | P201SF4-150-4-18             | 8                 | 6.51     | 11               | 99.33             | 136.67          | 82.00                          | 2   |     |     |     |    |     | I  |
| I | P2020F4-46-2-18              | 9                 | 6.12     | 16               | 92.67             | 127.33          | 72.00                          | 1   |     | 3   |     |    |     | I  |
| I | CICA 8 (TESTIGO)             | 10                | 6.63     | 10               | 92.33             | 128.33          | 71.33                          | 3   |     |     |     |    |     | I  |
| I | P2020F4-140-3-18             | 11                | 5.00     | 29               | 97.67             | 133.33          | 69.33                          | 1   |     |     |     |    |     | I  |
| I | P2020F4-149-1-18             | 12                | 5.39     | 26               | 94.00             | 131.67          | 74.00                          | 1   |     |     |     |    |     | I  |
| I | P2020F4-161-5-18             | 13                | 6.43     | 14               | 96.00             | 133.33          | 70.67                          | 1   |     |     |     |    |     | I  |
| I | P2030F4-226-18-18            | 14                | 5.85     | 21               | 119.00            | 154.33          | 69.00                          | 1   |     |     |     |    |     | I  |
| I | P2023F4-74-2-18              | 15                | 5.31     | 27               | 107.67            | 145.00          | 81.00                          | 1   |     |     |     |    |     | I  |
| I | P2025F4-159-3-18             | 16                | 5.75     | 24               | 106.33            | 144.00          | 81.33                          | 1   |     | 3   |     |    |     | I  |
| I | P2026F4-12-2-18              | 17                | 5.07     | 28               | 98.00             | 136.67          | 80.00                          | 1   |     | 7   |     |    |     | I  |
| I | P2030F4-217-4-18             | 18                | 4.55     | 30               | 106.33            | 143.33          | 71.67                          | 1   |     |     |     |    |     | I  |
| I | P2030F4-222-1-18             | 19                | 5.53     | 25               | 111.67            | 148.33          | 79.33                          | 1   |     |     |     |    |     | I  |
| I | IR 43 (TESTIGO)              | 20                | 7.04     | 6                | 96.33             | 135.00          | 73.00                          | 1   |     |     |     |    |     | I  |
| I | P2030F4-222-2-18             | 21                | 6.09     | 17               | 113.00            | 150.33          | 77.33                          | 1   |     |     |     |    |     | I  |
| I | P2030F4-243-4-18             | 22                | 5.84     | 22               | 84.33             | 119.33          | 80.00                          | 1   |     |     |     |    |     | I  |
| I | P2034F4-25-6-18              | 23                | 7.07     | 4                | 90.00             | 126.67          | 84.67                          | 2   |     |     |     |    |     | I  |
| I | PI897-15-1-4-1-18-18         | 24                | 6.65     | 9                | 100.67            | 138.00          | 85.67                          | 1   |     |     |     |    |     | I  |
| I | IR4422-98-3-6-1              | 25                | 6.01     | 18               | 100.33            | 136.67          | 92.00                          | 3   |     |     |     |    |     | I  |
| I | IR2153-276-1-10-PR509        | 26                | 5.93     | 20               | 93.33             | 130.00          | 75.33                          | 1   |     | 6   |     |    |     | I  |
| I | SPR7284-57-5                 | 27                | 6.43     | 14               | 92.67             | 128.33          | 85.00                          | 2   |     |     |     |    |     | I  |
| I | IR5853-118-5                 | 28                | 6.48     | 12               | 99.67             | 136.67          | 79.33                          | 1   |     |     |     |    |     | I  |
| I | IR14753-120-3                | 29                | 3.30     | 31               | 114.00            | 150.33          | 81.00                          | 1   |     |     | 7   |    |     | I  |
| I | CICA 4 (TESTIGO)             | 30                | 6.31     | 15               | 97.67             | 135.00          | 64.33                          | 1   |     | 3   |     |    |     | I  |
| I | CULIACAN A82 (T. LOCAL)      | 31                | 6.88     | 7                | 91.33             | 127.33          | 69.00                          | 1   |     | 3   |     |    |     | I  |
| I | PROMEDIO GENERAL             |                   | 6.15     |                  | 97.65             | 134.22          | 77.60                          | 1.6 |     |     | 4.4 |    |     | I  |
| I | DESVIACION ESTANDAR          |                   | 0.60     |                  | 3.84              | 4.00            | 5.63                           |     |     |     |     |    |     | I  |
| I | COEFICIENTE DE VARIACION (%) |                   | 9.76     |                  | 3.93              | 2.98            | 7.26                           |     |     |     |     |    |     | I  |
| I | VALOR F PARA COMP. VARIETAL  |                   | 7.37     |                  | 16.47             | 16.78           | 3.52                           |     |     |     |     |    |     | I  |
| I | PRON. > F                    |                   | 0.0001   |                  | 0.0001            | 0.0001          | 0.0001                         |     |     |     |     |    |     | I  |
| I | D.M.S. (5%)                  |                   | 0.98     |                  | 6.27              | 6.53            | 9.20                           |     |     |     |     |    |     | I  |

CUADRO NO. 2.1 VIRAL-T 1962, VARIETADES TIEMPANAS  
SEXTO VIVERO INTERNACIONAL DE HEDIMIENTO DE ARROZ PARA AMERICA LATINA  
PRUEBA NO. 6

COOPERADUR : N.M.  
PAIS..... MEXICO  
LOCALIDAD..... CAMPECHE  
EST. EXPERIMENTAL.. YOHALTON  
LATITUD..... 17 GR. 01 N  
LONGITUD..... 90 GR. 01 W  
ALTITUD (MSNM).... 50  
TEMPERATURA MIN.... GR.C  
MAX..... GR.C  
PROM.... GR.C  
PRECIPITACION..... 245MM  
DIAS LLUVIOSOS.....  
TEXTURA..... ARCILLOSO  
PH..... 4.5  
FERTILIZACION... 138 N P K  
PROTECCION CONTRA: ENFERMEDADES.. NINGUNA  
INSECTOS.....

SISTEMA DE CULTIVO: SECANO FAVURECIDO  
COMENTARIOS:  
LINEA RENDIMIENTO  
CJODIGU (TON/HA) POSICION FLORACION MADURACION (CM) DIAS A ALTURA LDG ENFERMEDADES Y OTROS PROBLEMAS  
1 3.94 3 100.00 131.00 76.00 1 0 3 3 1  
2 4.12 2 101.00 132.00 70.00 2 0 2 3 1  
3 3.41 5 100.00 131.00 68.00 2 0 2 2 0  
4  
5  
6 2.66 8 113.00 144.00 59.00 0 0 1 1 0  
7 2.71 7 104.00 135.00 65.00 3 0 3 3 1  
8  
9  
10  
11 2.46 11 101.00 134.00 67.00 3 0 2 3 1  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22 3.42 4 102.00 133.00 68.00 2 0 2 3 1  
23 4.45 1 92.00 123.00 75.00 1 1 3 2 1  
24 2.76 6 100.00 131.00 69.00 1 0 3 2 0  
25 1.96 13 94.00 125.00 65.00 3 0 2 2 1  
26 2.48 10 106.00 137.00 60.00 1 0 1 3 1  
27  
28  
29  
30  
31 2.60 9 100.00 131.00 60.00 1 1 1 3 3  
32 2.10 12 101.00 132.00 65.00 1 1 2 2 2  
3.00 101.08 132.23 66.69 1.8 0.2 2.0 2.5 1.0  
I DESVIACION ESTANDAR  
I COEFICIENTE DE VARIACION (%)  
I VALOR F PARA COMP. VARIETAL  
I PROM. > F  
I D.K.S. (5%)

CUADRO NO. 2.7 VIRAL-T , 1982. VARIEDADES TEMPRANAS  
SEXTO VIVERO INTERNACIONAL DE RENDIMIENTO DE ARROZ PARA AMERICA LATINA  
PRUEBA NO. 7

COOPERADOR : RAUL PEREZ PEREZ

```

=====
PAIS..... MEXICO                TEMPERATURA MIN.... 22 GR.C      TEXTURA..... MIGAJON ARCILLOSO
LOCALIDAD..... JUCHITAN          MAX..... 31 GR.C      PH..... 7.2
EST. EXPERIMENTAL.. C.A.E. ISTMO DE TEHUANTEPEC  PROM.... 26 GR.C      FERTILIZACION... 150 N  17 P    K
LATITUD..... 16 GR. 25° N        PRECIPITACION..... 103MM
LONGITUD..... 94 GR. 43° W      DIAS LLOVIOSOS..... 14
ALTITUD (MSNN).... 40
=====
PROTECCION CONTRA: ENFERMEDADES.. NINGUNA
INSECTOS..... CHINCHES
=====

```

SISTEMA DE CULTIVO: RIEGO

COMENTARIOS:

| I | VARIEDAD                     | LINEA RENDIMIENTO |          | DIAS A FLORACION | DIAS A MADURACION | ALTURA LGD [CM] | ENFERMEDADES Y OTROS PROBLEMAS |     |     |    |     |    |  |  |
|---|------------------------------|-------------------|----------|------------------|-------------------|-----------------|--------------------------------|-----|-----|----|-----|----|--|--|
|   |                              | CODIGO            | (TON/HA) |                  |                   |                 | BL                             | SHB | NBL | BS | LSC | MB |  |  |
| I | P2015F4-108-19-1B            | 1                 | 6.24     | 7                | 121.67            | 149.00          | 68.00                          | 1   |     |    |     |    |  |  |
| I | P2013F4-82-2-10              | 2                 | 5.34     | 17               | 113.33            | 141.67          | 65.33                          | 1   |     |    |     |    |  |  |
| I | P2015F4-66-1-1B              | 3                 | 4.38     | 24               | 108.00            | 132.67          | 57.67                          | 1   |     |    |     |    |  |  |
| I | P2015F4-66-5-1B              | 4                 | 3.71     | 30               | 105.33            | 133.00          | 60.00                          | 1   |     |    |     |    |  |  |
| I | P2015F4-82-5-1B              | 5                 | 4.09     | 28               | 105.33            | 133.00          | 54.67                          | 1   |     |    |     |    |  |  |
| I | P2015F4-138-3-1B             | 6                 | 4.36     | 26               | 107.00            | 133.00          | 59.33                          | 1   |     |    |     |    |  |  |
| I | P2015F4-140-5-1B             | 7                 | 5.64     | 14               | 117.33            | 144.67          | 67.33                          | 1   |     |    |     |    |  |  |
| I | P2015F4-150-4-1B             | 8                 | 6.17     | 9                | 116.67            | 144.67          | 69.00                          | 1   |     |    |     |    |  |  |
| I | P2020F4-46-2-1B              | 9                 | 6.18     | 8                | 114.00            | 137.00          | 65.00                          | 1   |     |    |     |    |  |  |
| I | CICA 8 (TESTIGO)             | 10                | 6.11     | 10               | 116.67            | 139.67          | 65.00                          | 1   |     |    |     |    |  |  |
| I | P2020F4-140-3-1B             | 11                | 6.72     | 2                | 115.33            | 137.67          | 63.67                          | 1   |     |    |     |    |  |  |
| I | P2020F4-149-1-1B             | 12                | 6.39     | 6                | 116.00            | 141.00          | 63.00                          | 1   |     |    |     |    |  |  |
| I | P2020F4-161-5-1B             | 13                | 7.05     | 1                | 114.67            | 139.00          | 63.00                          | 1   |     |    |     |    |  |  |
| I | P2030F4-226-18-1B            | 14                | 5.71     | 12               | 122.00            | 151.00          | 66.67                          | 1   |     |    |     |    |  |  |
| I | P2023F4-74-2-1B              | 15                | 4.55     | 23               | 116.67            | 147.67          | 64.67                          | 1   |     |    |     |    |  |  |
| I | P2025F4-159-3-1B             | 16                | 5.01     | 19               | 114.00            | 141.00          | 63.00                          | 1   |     |    |     |    |  |  |
| I | P2026F4-12-2-1B              | 17                | 3.39     | 31               | 120.00            | 154.67          | 63.33                          | 1   |     |    |     |    |  |  |
| I | P2030F4-217-4-1B             | 18                | 5.78     | 11               | 122.00            | 153.67          | 66.67                          | 1   |     |    |     |    |  |  |
| I | P2030F4-222-1-1B             | 19                | 4.37     | 25               | 108.67            | 134.33          | 57.67                          | 1   |     |    |     |    |  |  |
| I | IR 43 (TESTIGO)              | 20                | 4.84     | 21               | 116.00            | 143.67          | 59.00                          | 1   |     |    |     |    |  |  |
| I | P2030F4-222-2-1B             | 21                | 4.32     | 27               | 112.67            | 144.67          | 57.67                          | 1   |     |    |     |    |  |  |
| I | P2030F4-243-4-1B             | 22                | 4.64     | 22               | 105.33            | 134.33          | 56.33                          | 1   |     |    |     |    |  |  |
| I | P2034F4-25-6-1B              | 23                | 5.59     | 15               | 117.67            | 143.67          | 67.67                          | 1   |     |    |     |    |  |  |
| I | PI897-15-1-4-1-1B-1B         | 24                | 5.66     | 13               | 122.00            | 154.67          | 68.33                          | 1   |     |    |     |    |  |  |
| I | IR4422-98-3-6-1              | 25                | 5.49     | 16               | 120.67            | 149.33          | 68.33                          | 1   |     |    |     |    |  |  |
| I | IR2153-276-1-10-PR509        | 26                | 3.95     | 29               | 120.67            | 151.67          | 65.00                          | 1   |     |    |     |    |  |  |
| I | SPR7284-57-5                 | 27                | 6.60     | 5                | 120.67            | 151.67          | 71.67                          | 1   |     |    |     |    |  |  |
| I | IR5803-110-5                 | 28                | 5.22     | 18               | 112.00            | 134.33          | 62.33                          | 1   |     |    |     |    |  |  |
| I | IR14753-120-3                | 29                | 6.68     | 4                | 121.00            | 152.33          | 82.33                          | 1   |     |    |     |    |  |  |
| I | CICA 4 (TESTIGO)             | 30                | 4.91     | 20               | 108.00            | 138.00          | 56.00                          | 1   |     |    |     |    |  |  |
| I | JUCHITAN A-74(T.LOCAL)       | 31                | 6.70     | 3                | 128.33            | 162.67          | 70.67                          | 1   |     |    |     |    |  |  |
| I | PROMEDIO GENERAL             |                   | 5.35     |                  | 115.31            | 143.53          | 64.14                          | 1.0 |     |    |     |    |  |  |
| I | DESVIACION ESTANDAR          |                   | 0.66     |                  | 2.73              | 3.49            | 2.94                           |     |     |    |     |    |  |  |
| I | COEFICIENTE DE VARIACION (%) |                   | 12.30    |                  | 2.37              | 2.43            | 4.59                           |     |     |    |     |    |  |  |
| I | VALOR F PARA COMP. VARIETAL  |                   | 6.95     |                  | 14.03             | 15.75           | 11.10                          |     |     |    |     |    |  |  |
| I | PRUB. > F                    |                   | 0.0001   |                  | 0.0001            | 0.0001          | 0.0001                         |     |     |    |     |    |  |  |
| I | O.M.S. (SX)                  |                   | 1.07     |                  | 4.46              | 5.71            | 4.80                           |     |     |    |     |    |  |  |

COOPERADOR : ANTONIO CONTRERAS LOPEZ

|                      |                         |                     |         |   |                         |      |   |
|----------------------|-------------------------|---------------------|---------|---|-------------------------|------|---|
| PAIS.....            | MEXICO                  | TEMPERATURA MIN.... | 21 GR.C | TEXTURA.....                              | MIGAJON ARCILLO-ARENOSO |      |   |
| LOCALIDAD.....       | HUIMANGUILLO            | MAX.....            | 32 GR.C | PH.....                                   | 6.0                     |      |   |
| EST. EXPERIMENTAL... | CAMPO AGR. HUIMANGUILLO | PROM....            | 26 GR.C | FERTILIZACION...                          | 80 N                    | 17 P | K |
| LATITUD.....         | 18 GR. 11' N            | PRECIPITACION.....  | 1686MM  | PROTECCION CONTRA: ENFERMEDADES.. NINGUNA |                         |      |   |
| LONGITUD.....        | 92 GR. 43' W            | DIAS LLUVIOSOS..... | 63      | INSECTOS..... NECESARIA                   |                         |      |   |
| ALTITUD (MSNM)....   | 30                      | DEBATUS INSULARIS   |         |   |                         |      |   |

SISTEMA DE CULTIVO: SECANO FAVORECIDO COMENTARIOS: DAÑOS POR SEQUIA Y RATAS

| I     | VARIEDAD                     | LINEA RENDIMIENTO |          | DIAS A FLORACION | DIAS A MADURACION | ALTURA LDG (CM) | ENFERMEDADES Y GTROS PROBLEMAS |     |     |     |     |    |  |  |
|-------|------------------------------|-------------------|----------|------------------|-------------------|-----------------|--------------------------------|-----|-----|-----|-----|----|--|--|
|       |                              | CODIGO            | (T3M/HA) |                  |                   |                 | BL                             | SHB | NBL | BS  | LSC | H8 |  |  |
| I     | P2015F4-100-1B-1B            | 1                 | 2.46     | 20               | 118.00            | 76.33           | 1                              | 3   | 2   | 2   |     |    |  |  |
| I     | P2013F4-82-2-1B              | 2                 | 2.57     | 16               | 106.33            | 77.67           | 1                              | 2   | 2   | 1   |     |    |  |  |
| I     | P2015F4-66-1-1B              | 3                 | 2.28     | 22               | 101.67            | 81.33           | 1                              | 3   | 1   | 3   |     |    |  |  |
| I     | P2015F4-66-5-1B              | 4                 | 2.65     | 14               | 101.67            | 83.33           | 1                              | 3   | 1   | 3   |     |    |  |  |
| I     | P2015F4-82-5-1B              | 5                 | 2.77     | 10               | 104.33            | 72.67           | 1                              | 3   | 2   | 2   |     |    |  |  |
| I     | P2015F4-138-3-1B             | 6                 | 2.21     | 23               | 102.33            | 78.33           | 1                              | 2   | 1   | 3   |     |    |  |  |
| I     | P2015F4-148-5-1B             | 7                 | 2.83     | 6                | 110.67            | 84.33           | 1                              | 3   | 1   | 3   |     |    |  |  |
| I     | P2015F4-150-4-1B             | 8                 | 3.25     | 2                | 114.00            | 79.67           | 1                              | 3   | 2   | 2   |     |    |  |  |
| I     | P2020F4-46-2-1B              | 9                 | 2.33     | 21               | 111.33            | 71.67           | 1                              | 3   | 1   | 3   |     |    |  |  |
| I     | CICA 8 (TESTIGO)             | 10                | 3.36     | 1                | 111.00            | 76.33           | 1                              | 2   | 1   | 2   |     |    |  |  |
| I     | P2020F4-140-3-1B             | 11                | 1.87     | 30               | 111.00            | 75.33           | 1                              | 2   | 1   | 2   |     |    |  |  |
| I     | P2020F4-149-1-1B             | 12                | 2.53     | 19               | 109.67            | 55.00           | 1                              | 3   | 2   | 2   |     |    |  |  |
| I     | P2020F4-161-5-1B             | 13                | 2.89     | 5                | 107.67            | 64.67           | 2                              | 2   | 1   | 3   |     |    |  |  |
| I     | P2030F4-226-1B-1B            | 14                | 2.03     | 26               | 124.00            | 73.67           | 1                              | 2   | 1   | 2   |     |    |  |  |
| I     | P2023F4-74-2-1B              | 15                | 2.54     | 18               | 110.00            | 79.33           | 1                              | 4   | 3   | 3   |     |    |  |  |
| I     | P2025F4-159-3-1B             | 16                | 2.81     | 9                | 110.00            | 79.00           | 1                              | 2   | 1   | 3   |     |    |  |  |
| I     | P2026F4-12-2-1B              | 17                | 2.00     | 27               | 106.67            | 75.67           | 1                              | 4   | 2   | 3   |     |    |  |  |
| I     | P2030F4-217-4-1B             | 18                | 2.84     | 8                | 119.67            | 79.00           | 1                              | 2   | 1   | 2   |     |    |  |  |
| I     | P2030F4-222-1-1B             | 19                | 1.93     | 29               | 107.33            | 87.00           | 1                              | 3   | 1   | 3   |     |    |  |  |
| I     | IR 43 (TESTIGO)              | 20                | 1.70     | 31               | 103.33            | 78.00           | 1                              | 3   | 2   | 3   |     |    |  |  |
| I     | P2030F4-222-2-1B             | 21                | 2.09     | 24               | 111.00            | 63.00           | 1                              | 3   | 2   | 3   |     |    |  |  |
| I     | P2030F4-243-4-1B             | 22                | 2.61     | 15               | 99.67             | 80.00           | 1                              | 2   | 2   | 2   |     |    |  |  |
| I     | P2074F4-25-6-1B              | 23                | 2.99     | 3                | 105.67            | 79.00           | 2                              | 3   | 1   | 3   |     |    |  |  |
| I     | P1597-15-1-4-1-1B-1B         | 24                | 2.55     | 17               | 104.00            | 74.57           | 2                              | 4   | 3   | 3   |     |    |  |  |
| I     | IR4422-93-3-6-1              | 25                | 2.94     | 4                | 115.00            | 92.67           | 1                              | 2   | 2   | 2   |     |    |  |  |
| I     | IR2153-276-1-10-PR509        | 26                | 2.86     | 7                | 103.33            | 78.67           | 1                              | 4   | 5   | 4   |     |    |  |  |
| I     | SPR7284-57-5                 | 27                | 2.68     | 13               | 105.67            | 80.67           | 1                              | 5   | 2   | 3   |     |    |  |  |
| I     | IR5853-118-5                 | 28                | 2.74     | 11               | 101.67            | 85.67           | 1                              | 4   | 2   | 5   |     |    |  |  |
| I     | IR14753-120-3                | 29                | 2.68     | 12               | 106.00            | 91.33           | 1                              | 5   | 5   | 3   |     |    |  |  |
| I     | CICA 4 (TESTIGO)             | 30                | 2.09     | 25               | 102.67            | 75.00           | 1                              | 4   | 2   | 2   |     |    |  |  |
| I     | CARDENAS A-80 (T.LOCAL)      | 31                | 1.94     | 28               | 104.00            | 98.33           | 2                              | 4   | 3   | 3   |     |    |  |  |
| ===== |                              |                   |          |                  |                   |                 |                                |     |     |     |     |    |  |  |
| I     | PROMEDIO GENERAL             |                   | 2.52     |                  | 108.17            | 79.11           | 1.2                            | 3.0 | 1.9 | 2.7 |     |    |  |  |
| ----- |                              |                   |          |                  |                   |                 |                                |     |     |     |     |    |  |  |
| I     | DESVIACION ESTANDAR          |                   | 0.68     |                  | 2.19              | 9.09            |                                |     |     |     |     |    |  |  |
| I     | COEFICIENTE DE VARIACION (%) |                   | 26.97    |                  | 2.03              | 11.50           |                                |     |     |     |     |    |  |  |
| I     | VALOR F PARA COMP. VARIETAL  |                   | 1.14     |                  | 20.32             | 2.24            |                                |     |     |     |     |    |  |  |
| I     | PROB. > F                    |                   | 0.3225   |                  | 0.0001            | 0.0039          |                                |     |     |     |     |    |  |  |
| I     | D.M.S. (5%)                  |                   | 1.11     |                  | 3.58              | 14.85           |                                |     |     |     |     |    |  |  |





COOPERADOR : OSCAR AGUSTIN DELGADO VARELA

```

=====
PAIS..... MEXICO          TEMPERATURA MIN.... 20 GR.C      TEXTURA..... ARCILLOSO
LOCALIDAD..... EBANO          MAX.... 33 GR.C          PH..... 7.8
EST. EXPERIMENTAL.. C.AGR.AUX.DE EBANO    PROM.... 27 GR.C        FERTILIZACION... 150 N   17 P   K
LATITUD..... 22 GR. 12' N    PRECIPITACION..... 258MM
LONGITUD..... 98 GR. 23' W    DIAS LLUVIOSOS..... 25
ALTITUD (MSNM).... 55
=====
PROTECCION CONTRA: ENFERMEDADES.. NECESARIA
INSECTOS..... NECESARIA
DEBALUS MEXICANA
=====

```

SISTEMA DE CULTIVO: RIEGO

COMENTARIOS:

| I | I | VARIEDAD                     | LINEA RENDIMIENTO |          | DIAS A FLORACION | DIAS A MADURACION | ALTURA LGD (CM) | ENFERMEDADES Y OTROS PROBLEMAS |     |     | I |     |    |     |
|---|---|------------------------------|-------------------|----------|------------------|-------------------|-----------------|--------------------------------|-----|-----|---|-----|----|-----|
|   |   |                              | CODIGO            | (TON/HA) |                  |                   |                 | POSICION                       | BL  | SHB |   | NBL | BS | LSC |
| I | I | P2015F4-108-18-1B            | 1                 | 6.43     | 26               | 103.00            | 133.00          | 92.00                          | 2   |     |   | 3   |    | I   |
| I | I | P2013F4-82-2-1B              | 2                 | 7.75     | 11               | 96.33             | 128.67          | 95.33                          | 1   |     |   | 1   |    | I   |
| I | I | P2015F4-66-1-1B              | 3                 | 7.50     | 10               | 88.00             | 117.00          | 98.33                          | 3   |     |   | 1   |    | I   |
| I | I | P2015F4-66-5-1B              | 4                 | 7.63     | 14               | 88.00             | 118.00          | 99.33                          | 4   |     |   | 1   |    | I   |
| I | I | P2015F4-82-5-1B              | 5                 | 6.81     | 24               | 92.00             | 119.33          | 95.00                          | 1   |     |   | 1   |    | I   |
| I | I | P2015F4-118-3-1B             | 6                 | 7.16     | 21               | 89.00             | 118.67          | 93.67                          | 2   |     |   | 1   |    | I   |
| I | I | P2015F4-148-5-1B             | 7                 | 6.33     | 27               | 101.00            | 132.00          | 89.33                          | 1   |     |   | 1   |    | I   |
| I | I | P2015F4-150-4-1B             | 8                 | 7.57     | 15               | 103.33            | 132.00          | 92.67                          | 1   |     |   | 1   |    | I   |
| I | I | P2020F4-45-2-1B              | 9                 | 8.33     | 6                | 99.00             | 125.00          | 83.00                          | 1   |     |   | 1   |    | I   |
| I | I | CICA 8 (TESTIGO)             | 10                | 8.28     | 7                | 99.67             | 126.33          | 89.33                          | 2   |     |   | 1   |    | I   |
| I | I | P2020F4-140-3-1B             | 11                | 8.11     | 8                | 99.33             | 126.33          | 87.00                          | 1   |     |   | 1   |    | I   |
| I | I | P2020F4-149-1-1B             | 12                | 8.82     | 3                | 99.00             | 125.00          | 86.00                          | 1   |     |   | 1   |    | I   |
| I | I | P2020F4-161-5-1B             | 13                | 7.86     | 9                | 99.00             | 125.00          | 86.67                          | 1   |     |   | 1   |    | I   |
| I | I | P2030F4-226-18-1B            | 14                | 3.02     | 31               | 110.00            | 140.00          | 93.00                          | 1   |     |   | 1   |    | I   |
| I | I | P2023F4-74-7-1B              | 15                | 6.04     | 29               | 100.67            | 131.00          | 89.67                          | 1   |     |   | 1   |    | I   |
| I | I | P2025F4-159-3-1B             | 16                | 7.56     | 16               | 99.00             | 129.00          | 90.33                          | 1   |     |   | 1   |    | I   |
| I | I | P2026F4-12-2-1B              | 17                | 7.85     | 10               | 93.67             | 123.67          | 91.33                          | 1   |     |   | 3   |    | I   |
| I | I | P2030F4-217-4-1B             | 18                | 5.83     | 30               | 110.00            | 140.00          | 85.33                          | 1   |     |   | 1   |    | I   |
| I | I | P2030F4-222-1-1B             | 19                | 7.05     | 23               | 100.67            | 132.00          | 86.33                          | 1   |     |   | 1   |    | I   |
| I | I | IR 43 (TESTIGO)              | 20                | 9.32     | 1                | 90.00             | 120.00          | 90.67                          | 2   |     |   | 1   |    | I   |
| I | I | P2030F4-222-2-1B             | 21                | 7.74     | 12               | 104.00            | 101.67          | 90.67                          | 1   |     |   | 1   |    | I   |
| I | I | P2030F4-243-4-1B             | 22                | 6.07     | 28               | 88.67             | 118.00          | 88.67                          | 1   |     |   | 1   |    | I   |
| I | I | P2034F4-25-6-1B              | 23                | 8.74     | 4                | 98.33             | 125.00          | 88.00                          | 1   |     |   | 3   |    | I   |
| I | I | PI897-15-1-4-1-1B-1B         | 24                | 7.06     | 22               | 98.33             | 130.00          | 95.00                          | 1   |     |   | 3   |    | I   |
| I | I | IR4422-98-3-6-1              | 25                | 6.75     | 25               | 102.67            | 133.00          | 96.00                          | 1   |     |   | 3   |    | I   |
| I | I | IR2153-276-1-10-PR509        | 26                | 7.69     | 13               | 92.33             | 122.33          | 85.00                          | 2   |     |   | 5   |    | I   |
| I | I | SPN72B4-57-5                 | 27                | 9.23     | 2                | 98.67             | 125.00          | 94.00                          | 1   |     |   | 1   |    | I   |
| I | I | IR5953-118-5                 | 28                | 7.32     | 19               | 89.67             | 118.00          | 101.33                         | 2   |     |   | 1   |    | I   |
| I | I | IR14753-120-3                | 29                | 7.52     | 17               | 98.33             | 129.00          | 103.00                         | 4   |     |   | 3   |    | I   |
| I | I | CICA 4 (TESTIGO)             | 30                | 8.39     | 5                | 90.67             | 118.33          | 84.67                          | 1   |     |   | 1   |    | I   |
| I | I | NAVOLATO A71 (T.LOCAL)       | 31                | 7.24     | 20               | 92.00             | 122.33          | 94.33                          | 1   |     |   | 1   |    | I   |
| I | I | PROMEDIO GENERAL             |                   | 7.39     |                  | 97.24             | 125.31          | 91.45                          | 1.5 |     |   | 1.5 |    | I   |
| I | I | DESVIACION ESTANDAR          |                   | 0.68     |                  | 1.01              | 10.34           | 4.69                           |     |     |   |     |    | I   |
| I | I | COEFICIENTE DE VARIACION (X) |                   | 9.14     |                  | 1.04              | 8.25            | 5.12                           |     |     |   |     |    | I   |
| I | I | VALOR F PARA COMP. VARIETAL  |                   | 9.50     |                  | 106.38            | 1.63            | 3.44                           |     |     |   |     |    | I   |
| I | I | PRU1. > F                    |                   | 0.0001   |                  | 0.0001            | 0.0536          | 0.0001                         |     |     |   |     |    | I   |
| I | I | D.A.S. (5%)                  |                   | 1.10     |                  | 1.66              | 16.89           | 7.65                           |     |     |   |     |    | I   |

CUADRO NO. 2.11 VIRAL-T, 1982. VARIEDADES TEMPRANAS  
 SEXTO VIVERO INTERNACIONAL DE RENDIMIENTO DE ARROZ PARA AMERICA LATINA  
 PRUEBA NO. 11

COOPERADOR : JOSE LUIS VAZQUEZ JIMENEZ

|                    |                    |                     |         |                    |                |
|--------------------|--------------------|---------------------|---------|--------------------|----------------|
| PAIS.....          | MEXICO             | TEMPERATURA MIN.... | 20 GR.C | TEXTURA.....       | ARCILLOSO      |
| LOCALIDAD.....     | CERRO DE ORTEGA    | MAX.....            | 35 GR.C | PH.....            | 6.5            |
| EST.EXPERIMENTAL.. | CAMPO AGR. TECOMAN | PROM....            | 28 GR.C | FERTILIZACION...   | 180 N P K      |
| LATITUD.....       | 18 GR. 44' N       | PRECIPITACION.....  | 415MM   | PROTECCION CONTRA: | ENFERMEDADES.. |
| LONGITUD.....      | 103 GR. 43' W      | DIAS LLUVIOSOS..... |         |                    | INSECTOS.....  |
| ALTITUD (MSNM).... | 20                 |                     |         |                    |                |

SISTEMA DE CULTIVO: RIEGO

COMENTARIOS:

| I | VARIEDAD                     | LINEA RENDIMIENTO |          | DIAS A FLORACION | DIAS A MADURACION | ALTURA LOG (CM) | ENFERMEDADES Y OTROS PROBLEMAS |     |    |     |    | I |   |
|---|------------------------------|-------------------|----------|------------------|-------------------|-----------------|--------------------------------|-----|----|-----|----|---|---|
|   |                              | CODIGO            | (TON/HA) |                  |                   |                 | POSICION                       | NBL | BS | LSC | HB |   |   |
| I | P2015F4-108-18-18            | 1                 | 5.19     | 7                | 103.00            | 130.00          | 66.67                          |     |    |     |    |   | I |
| I | P2013F4-82-2-18              | 2                 | 4.91     | 10               | 110.67            | 129.33          | 69.67                          |     |    |     |    |   | I |
| I | P2015F4-66-1-18              | 3                 | 5.33     | 6                | 104.00            | 126.00          | 66.00                          |     |    |     |    |   | I |
| I | P2015F4-66-3-18              | 4                 | 4.89     | 11               | 101.33            | 126.67          | 70.00                          |     |    |     |    |   | I |
| I | P2015F4-82-5-18              | 5                 | 6.11     | 2                | 102.00            | 125.33          | 62.67                          |     |    |     |    |   | I |
| I | P2015F4-138-3-18             | 6                 | 4.44     | 15               | 107.00            | 129.67          | 65.67                          |     |    |     |    |   | I |
| I | P2015F4-148-5-18             | 7                 | 4.75     | 12               | 104.00            | 128.33          | 69.67                          |     |    |     |    |   | I |
| I | P2015F4-150-4-18             | 8                 | 3.63     | 24               | 106.00            | 129.00          | 73.67                          |     |    |     |    |   | I |
| I | P2020F4-46-2-18              | 9                 | 4.45     | 14               | 104.67            | 129.33          | 61.67                          |     |    |     |    |   | I |
| I | CICA B (TESTIGO)             | 10                | 3.59     | 25               | 102.00            | 126.67          | 62.00                          |     |    |     |    |   | I |
| I | P2020F4-140-3-18             | 11                | 3.56     | 26               | 105.67            | 129.67          | 61.00                          |     |    |     |    |   | I |
| I | P2020F4-149-1-18             | 12                | 4.42     | 16               | 104.67            | 130.00          | 62.33                          |     |    |     |    |   | I |
| I | P2020F4-161-5-18             | 13                | 4.37     | 18               | 103.67            | 127.00          | 64.67                          |     |    |     |    |   | I |
| I | P2030F4-270-18-18            | 14                | 5.17     | 8                | 109.33            | 131.67          | 70.33                          |     |    |     |    |   | I |
| I | P2023F4-74-2-18              | 15                | 3.43     | 27               | 107.00            | 130.67          | 65.67                          |     |    |     |    |   | I |
| I | P2025F4-159-3-18             | 16                | 4.15     | 20               | 106.33            | 130.00          | 68.67                          |     |    |     |    |   | I |
| I | P2026F4-12-2-18              | 17                | 3.36     | 29               | 106.67            | 131.00          | 68.67                          |     |    |     |    |   | I |
| I | P2030F4-217-4-18             | 18                | 3.73     | 22               | 110.67            | 133.67          | 63.33                          |     |    |     |    |   | I |
| I | P2030F4-222-1-18             | 19                | 3.08     | 23               | 110.00            | 132.33          | 65.33                          |     |    |     |    |   | I |
| I | IR 43 (TESTIGO)              | 20                | 4.57     | 13               | 104.67            | 128.67          | 62.00                          |     |    |     |    |   | I |
| I | P2030F4-222-2-18             | 21                | 3.35     | 28               | 108.67            | 133.67          | 72.67                          |     |    |     |    |   | I |
| I | P2030F4-243-4-18             | 22                | 4.26     | 19               | 105.67            | 130.33          | 60.67                          |     |    |     |    |   | I |
| I | P2034F4-25-6-18              | 23                | 5.58     | 4                | 101.67            | 128.00          | 69.67                          |     |    |     |    |   | I |
| I | PI897-15-1-4-1-18-18         | 24                | 3.71     | 21               | 109.67            | 132.33          | 68.33                          |     |    |     |    |   | I |
| I | IR4422-98-3-6-1              | 25                | 4.41     | 17               | 109.33            | 133.33          | 77.33                          |     |    |     |    |   | I |
| I | IR2153-276-1-10-PR509        | 26                | 5.01     | 9                | 105.33            | 128.67          | 66.33                          |     |    |     |    |   | I |
| I | SPR7294-57-5                 | 27                | 6.40     | 1                | 106.67            | 131.00          | 65.67                          |     |    |     |    |   | I |
| I | IR5853-119-5                 | 28                | 5.96     | 3                | 107.33            | 131.33          | 66.67                          |     |    |     |    |   | I |
| I | IR14753-120-3                | 29                | 3.33     | 30               | 108.00            | 132.33          | 65.67                          |     |    |     |    |   | I |
| I | CICA 4 (TESTIGO)             | 30                | 5.37     | 5                | 109.00            | 130.00          | 61.67                          |     |    |     |    |   | I |
| I | TESTIGO LOCAL                | 31                |          |                  |                   |                 |                                |     |    |     |    |   | I |
| I | PROMEDIO GENERAL             |                   | 4.51     |                  | 106.22            | 129.87          | 66.48                          |     |    |     |    |   | I |
| I | DESVIACION ESTANDAR          |                   | 0.63     |                  | 2.72              | 2.67            | 3.83                           |     |    |     |    |   | I |
| I | COEFICIENTE DE VARIACION (%) |                   | 13.90    |                  | 2.56              | 2.06            | 5.76                           |     |    |     |    |   | I |
| I | VALOR F PARA COMP. VARIETAL  |                   | 5.85     |                  | 2.88              | 2.07            | 3.38                           |     |    |     |    |   | I |
| I | PROB. > F                    |                   | 0.0001   |                  | 0.0003            | 0.0094          | 0.0001                         |     |    |     |    |   | I |
| I | D.M.S. (5%)                  |                   | 1.02     |                  | 4.45              | 4.36            | 6.25                           |     |    |     |    |   | I |



CUADRO NO. 2.13 VIRAL-T, 1982. VARIETADES TEMPRANAS  
SEXTO VIVERO INTERNACIONAL DE FENDIMIENTO DE ARROZ PARA AMERICA LATINA  
PRUEBA NO. 10

COOPERADOR: PETER LEE-PERFECTO VICTORIN

```
=====
PAIS..... BELICE                TEMPERATURA MIN.... GR.C    TLXTURA.....
LOCALIDAD..... PUNTA GORDA        MAX..... GR.C    PH.....
EST. EXPERIMENTAL.. BLUE CREEK          PRDN.... GR.C    FERTILIZACION... 90 N  22 P  X
LATITUD..... 16 GR.  01' N      PRECIPITACION..... MM
LONGITUD..... 89 GR.  01' W      DIAS LLUVIOSOS.....
ALTITUD (MSNM).... 20
                                     PROTECCION CONTRA: ENFERMEDADES..
                                     INSECTOS.....
=====
```

SISTEMA DE CULTIVO: RIEGO TRANSPLANTE COMENTARIOS:

| I | I                            | VARIEDAD | LINEA CODIGO | RENDIMIENTO (TON/HA) | POSICION | DIAS A FLORACION | DIAS A MADURACION | ALTURA LOG (CM) | ENFERMEDADES Y OTROS PROBLEMAS |     |     |     |     |     |     |      |  |  | I |
|---|------------------------------|----------|--------------|----------------------|----------|------------------|-------------------|-----------------|--------------------------------|-----|-----|-----|-----|-----|-----|------|--|--|---|
|   |                              |          |              |                      |          |                  |                   |                 | BL                             | SHB | NBL | BS  | LSC | NO  | KSM | NBL5 |  |  |   |
| I | P2015F4-108-1B-1B            | 1        | 5.60         | 10                   | 81.00    | 75.67            | 5                 | 1               | 2                              | 6   | 7   | 6   | 1   | 5   | I   |      |  |  |   |
| I | P2015F4-82-2-1B              | 2        | 5.15         | 20                   | 71.67    | 71.00            | 1                 | 1               | 4                              | 7   | 4   | 8   | 1   | 6   | I   |      |  |  |   |
| I | P2015F4-66-1-1B              | 3        | 5.80         | 7                    | 70.67    | 84.00            | 0                 | 0               | 2                              | 5   | 2   | 3   | 2   | 4   | I   |      |  |  |   |
| I | P2015F4-66-5-1B              | 4        | 5.93         | 4                    | 69.67    | 83.33            | 2                 | 1               | 3                              | 7   | 1   | 5   | 1   | 6   | I   |      |  |  |   |
| I | P2015F4-82-5-1B              | 5        | 5.63         | 0                    | 67.67    | 75.33            | 0                 | 1               | 5                              | 6   | 6   | 6   | 1   | 4   | I   |      |  |  |   |
| I | P2015F4-138-3-1B             | 6        | 5.51         | 16                   | 72.00    | 79.00            | 0                 | 0               | 4                              | 7   | 3   | 6   | 2   | 6   | I   |      |  |  |   |
| I | P2015F4-148-5-1B             | 7        | 5.54         | 13                   | 76.67    | 82.00            | 0                 | 2               | 6                              | 3   | 4   | 4   | 1   | 6   | I   |      |  |  |   |
| I | P2015F4-150-4-1B             | 8        | 6.16         | 2                    | 79.00    | 81.33            | 3                 | 1               | 4                              | 8   | 3   | 2   | 2   | 7   | I   |      |  |  |   |
| I | P2020F4-46-2-1B              | 9        | 5.53         | 14                   | 79.33    | 77.00            | 3                 | 0               | 1                              | 8   | 5   | 7   | 1   | 8   | I   |      |  |  |   |
| I | CICA 9 (TESTIGO)             | 10       | 5.31         | 18                   | 74.67    | 78.33            | 6                 | 1               | 4                              | 8   | 4   | 4   | 0   | 6   | I   |      |  |  |   |
| I | P2020F4-140-3-1B             | 11       | 5.91         | 5                    | 82.67    | 79.00            | 3                 | 2               | 4                              | 4   | 4   | 5   | 2   | 6   | I   |      |  |  |   |
| I | P2020F4-149-1-1B             | 12       | 5.42         | 17                   | 81.67    | 77.33            | 4                 | 0               | 5                              | 6   | 7   | 5   | 1   | 8   | I   |      |  |  |   |
| I | P2020F4-161-5-1B             | 13       | 5.07         | 22                   | 78.33    | 77.00            | 4                 | 0               | 4                              | 8   | 5   | 4   | 1   | 7   | I   |      |  |  |   |
| I | P2030F4-226-1B-1B            | 14       | 3.73         | 30                   | 91.00    | 89.00            | 0                 | 1               | 4                              | 4   | 4   | 4   | 0   | 8   | I   |      |  |  |   |
| I | P2023F4-74-2-1B              | 15       | 4.06         | 29                   | 78.33    | 77.67            | 1                 | 0               | 4                              | 8   | 7   | 7   | 1   | 6   | I   |      |  |  |   |
| I | P2025F4-159-3-1B             | 16       | 5.75         | 8                    | 73.67    | 83.33            | 3                 | 1               | 4                              | 8   | 3   | 7   | 0   | 5   | I   |      |  |  |   |
| I | P2026F4-12-2-1B              | 17       | 4.85         | 24                   | 66.67    | 86.67            | 2                 | 0               | 4                              | 4   | 5   | 6   | 0   | 3   | I   |      |  |  |   |
| I | P2030F4-217-4-1B             | 18       | 5.52         | 15                   | 80.00    | 86.33            | 2                 | 0               | 3                              | 8   | 6   | 7   | 1   | 6   | I   |      |  |  |   |
| I | P2030F4-222-1-1B             | 19       | 4.71         | 26                   | 80.67    | 93.00            | 6                 | 1               | 4                              | 8   | 5   | 8   | 1   | 5   | I   |      |  |  |   |
| I | IP 43 (TESTIGO)              | 20       | 5.26         | 19                   | 66.00    | 75.33            | 5                 | 1               | 2                              | 8   | 5   | 3   | 1   | 5   | I   |      |  |  |   |
| I | P2030F4-222-2-1B             | 21       | 5.14         | 21                   | 79.67    | 83.67            | 4                 | 1               | 4                              | 8   | 6   | 6   | 1   | 4   | I   |      |  |  |   |
| I | P2030F4-243-4-1B             | 22       | 4.61         | 27                   | 80.00    | 87.00            | 8                 | 2               | 5                              | 9   | 8   | 6   | 1   | 7   | I   |      |  |  |   |
| I | P2034F4-25-6-1B              | 23       | 4.16         | 28                   | 67.67    | 91.00            | 7                 | 0               | 3                              | 6   | 4   | 4   | 1   | 6   | I   |      |  |  |   |
| I | P1897-15-1-4-1-1B-1B         | 24       | 6.26         | 1                    | 69.67    | 83.00            | 4                 | 1               | 5                              | 8   | 6   | 6   | 1   | 8   | I   |      |  |  |   |
| I | IR4422-98-3-6-1              | 25       |              |                      |          |                  |                   |                 |                                |     |     |     |     |     | I   |      |  |  |   |
| I | IR2153-276-1-10-PR509        | 26       | 5.50         | 11                   | 66.00    | 83.00            | 2                 | 0               | 6                              | 6   | 2   | 7   | 0   | 1   | I   |      |  |  |   |
| I | SPH72R4-57-5                 | 27       | 4.89         | 23                   | 60.00    | 88.00            | 9                 | 1               | 1                              | 1   | 1   | 2   | 0   | 2   | I   |      |  |  |   |
| I | IR5053-118-5                 | 28       | 5.85         | 6                    | 66.33    | 85.00            | 5                 | 0               | 2                              | 2   | 2   | 2   | 0   | 4   | I   |      |  |  |   |
| I | IR14753-120-3                | 29       | 6.00         | 3                    | 75.67    | 90.00            | 9                 | 2               | 2                              | 6   | 4   | 3   | 2   | 5   | I   |      |  |  |   |
| I | CICA 4 (TESTIGO)             | 30       | 5.59         | 12                   | 69.67    | 80.67            | 1                 | 1               | 5                              | 6   | 7   | 8   | 4   | 6   | I   |      |  |  |   |
| I | TESTIGO LOCAL                | 31       | 4.82         | 25                   | 67.33    | 86.67            | 3                 | 2               | 4                              | 6   | 7   | 6   | 1   | 5   | I   |      |  |  |   |
| I | PROMEDIO GENERAL             |          | 5.31         |                      | 74.38    | 82.32            | 3.4               | 0.8             | 3.5                            | 6.4 | 4.5 | 5.3 | 0.9 | 5.4 | I   |      |  |  |   |
| I | DESVIACION ESTANDAR          |          | 0.76         |                      | 2.16     | 4.28             |                   |                 |                                |     |     |     |     |     | I   |      |  |  |   |
| I | COEFICIENTE DE VARIACION (%) |          | 14.44        |                      | 2.91     | 5.19             |                   |                 |                                |     |     |     |     |     | I   |      |  |  |   |
| I | VALOR F PARA COMP. VARIETAL  |          | 1.90         |                      | 26.16    | 4.70             |                   |                 |                                |     |     |     |     |     | I   |      |  |  |   |
| I | PRUB. > F                    |          | 0.0220       |                      | 0.0001   | 0.0001           |                   |                 |                                |     |     |     |     |     | I   |      |  |  |   |
| I | D.M.S. (5%)                  |          | 1.25         |                      | 3.54     | 6.99             |                   |                 |                                |     |     |     |     |     | I   |      |  |  |   |

COOPERADOR : PETER LEE-PERFECTO VICTORIN

PAIS..... BELICE TEMPERATURA MIN..... GR.C TEXTURA.....  
LOCALIDAD..... PUNTA GURGA MAX..... GR.C PH.....  
EST. EXPERIMENTAL... SAN PEDRO COLUMBIA PROM..... GR.C FERTILIZACION... 30 N 22 P K  
LATITUD..... 16 GR. 0' N PRECIPITACION..... MM  
LONGITUD..... 89 GR. 0' W DIAS LLUVIOSOS..... PROTECCION CONTRA: ENFERMEDADES.. NINGUNA  
ALTITUD (MSNM).... 100 INSECTOS..... NINGUNA  
INSECTOS.....

SISTEMA DE CULTIVO: SECANO FAVORECIDO COMENTARIOS:

| I | I                            | LINEA | RENDIMIENTO | DIAS A | DIAS A | ALTURA LDG | ENFERMEDADES Y OTROS PROBLEMAS |        |          |          |           |            |      | I   |    |
|---|------------------------------|-------|-------------|--------|--------|------------|--------------------------------|--------|----------|----------|-----------|------------|------|-----|----|
|   |                              |       |             |        |        |            | VARIEDAD                       | CODIGO | (TON/HA) | POSICION | FLORACION | MADURACION | (CM) |     | BL |
| I | P2015F4-108-10-10            | 1     | 3.75        | 24     | 109.00 | 137.00     | 67.00                          | 0      | 0        | 2        | 0         | 1          | 0    | 1   | I  |
| I | P2013F4-82-2-10              | 2     | 3.01        | 31     | 104.00 | 142.00     | 69.33                          | 0      | 0        | 1        | 1         | 0          | 0    | 0   | I  |
| I | P2015F4-66-1-10              | 3     | 4.34        | 15     | 98.00  | 137.00     | 69.00                          | 0      | 0        | 1        | 1         | 0          | 0    | 0   | I  |
| I | P2015F4-66-5-10              | 4     | 3.57        | 29     | 95.00  | 138.00     | 71.33                          | 0      | 0        | 1        | 1         | 0          | 0    | 0   | I  |
| I | P2015F4-82-5-10              | 5     | 4.34        | 15     | 99.00  | 140.00     | 68.33                          | 0      | 0        | 1        | 1         | 0          | 0    | 0   | I  |
| I | P2015F4-138-3-10             | 6     | 4.40        | 12     | 95.00  | 145.00     | 64.67                          | 0      | 0        | 1        | 1         | 0          | 0    | 0   | I  |
| I | P2015F4-148-5-10             | 7     | 4.12        | 19     | 95.33  | 138.67     | 71.33                          | 0      | 0        | 0        | 1         | 3          | 0    | 0   | I  |
| I | P2015F4-150-4-10             | 8     | 4.46        | 13     | 96.00  | 142.00     | 70.00                          | 0      | 0        | 1        | 0         | 0          | 0    | 0   | I  |
| I | P2020F4-46-2-10              | 9     | 4.76        | 6      | 96.00  | 139.00     | 67.00                          | 0      | 0        | 3        | 0         | 0          | 0    | 0   | I  |
| I | CICA 3 (TESTIGO)             | 10    | 5.53        | 1      | 96.00  | 138.00     | 69.33                          | 0      | 0        | 2        | 0         | 0          | 0    | 0   | I  |
| I | P2020F4-140-3-10             | 11    | 4.70        | 8      | 96.00  | 142.00     | 67.67                          | 0      | 0        | 3        | 0         | 0          | 0    | 0   | I  |
| I | P2020F4-149-1-10             | 12    | 4.49        | 11     | 96.00  | 139.00     | 66.00                          | 0      | 0        | 2        | 0         | 0          | 0    | 0   | I  |
| I | P2020F4-161-5-10             | 13    | 3.96        | 21     | 96.00  | 139.00     | 61.33                          | 0      | 0        | 1        | 0         | 0          | 0    | 0   | I  |
| I | P2030F4-226-10-10            | 14    | 4.73        | 7      | 96.00  | 139.00     | 68.00                          | 0      | 0        | 1        | 0         | 0          | 0    | 0   | I  |
| I | P2023F4-74-2-10              | 15    | 5.05        | 4      | 76.00  | 139.00     | 66.33                          | 0      | 0        | 1        | 0         | 0          | 0    | 0   | I  |
| I | P2025F4-159-3-10             | 16    | 4.58        | 9      | 76.00  | 137.00     | 67.00                          | 0      | 0        | 0        | 0         | 0          | 0    | 0   | I  |
| I | P2026F4-12-2-10              | 17    | 3.72        | 25     | 87.00  | 139.00     | 66.33                          | 0      | 0        | 1        | 0         | 0          | 1    | 1   | I  |
| I | P2030F4-217-4-10             | 18    | 4.08        | 20     | 99.00  | 137.00     | 66.00                          | 0      | 0        | 3        | 0         | 0          | 0    | 0   | I  |
| I | P2030F4-222-1-10             | 19    | 4.34        | 16     | 99.00  | 137.00     | 65.00                          | 0      | 0        | 4        | 0         | 2          | 0    | 0   | I  |
| I | IR 43 (TESTIGO)              | 20    | 4.57        | 10     | 89.00  | 137.00     | 64.00                          | 0      | 0        | 3        | 1         | 0          | 0    | 1   | I  |
| I | P2030F4-222-2-10             | 21    | 5.05        | 3      | 100.00 | 137.33     | 64.00                          | 0      | 0        | 1        | 1         | 2          | 0    | 0   | I  |
| I | P2030F4-243-4-10             | 22    | 3.63        | 26     | 94.00  | 138.00     | 68.67                          | 0      | 0        | 1        | 1         | 0          | 0    | 0   | I  |
| I | P2034F4-26-6-10              | 23    | 4.79        | 5      | 92.00  | 139.00     | 74.00                          | 0      | 0        | 1        | 1         | 0          | 0    | 0   | I  |
| I | PI097-15-1-4-1-10-10         | 24    | 3.93        | 23     | 96.00  | 137.67     | 72.67                          | 0      | 0        | 0        | 0         | 2          | 0    | 0   | I  |
| I | IR4422-98-3-6-1              | 25    | 3.94        | 22     | 99.00  | 137.00     | 66.57                          | 0      | 0        | 1        | 0         | 0          | 0    | 0   | I  |
| I | IR2153-276-1-10-PR509        | 26    | 4.14        | 18     | 91.00  | 137.00     | 61.00                          | 0      | 0        | 1        | 2         | 3          | 0    | 0   | I  |
| I | SPR7284-57-5                 | 27    | 3.55        | 26     | 74.67  | 138.33     | 68.33                          | 0      | 0        | 1        | 0         | 0          | 0    | 0   | I  |
| I | IR5053-118-5                 | 28    | 5.14        | ?      | 91.00  | 137.00     | 65.67                          | 0      | 0        | 1        | 1         | 3          | 0    | 0   | I  |
| I | IR14753-120-3                | 29    | 4.28        | 17     | 99.00  | 137.00     | 68.67                          | 0      | 0        | 3        | 0         | 0          | 0    | 0   | I  |
| I | CICA 4 (TESTIGO)             | 30    | 3.43        | 30     | 82.00  | 137.00     | 65.33                          | 0      | 0        | 0        | 0         | 0          | 0    | 1   | I  |
| I | TESTIGO LOCAL                | 31    | 3.56        | 27     | 99.00  | 139.00     | 63.67                          | 0      | 0        | 2        | 0         | 1          | 0    | 0   | I  |
| I | PROMEDIO GENERAL             |       | 4.26        |        | 95.97  | 138.71     | 67.22                          | 0.0    | 0.0      | 1.4      | 0.4       | 0.6        | 0.0  | 0.3 | I  |
| I | DESVIACION ESTANDAR          |       | 0.90        |        | 1.81   | 0.23       | 5.20                           |        |          |          |           |            |      |     | I  |
| I | COEFICIENTE DE VARIACION (%) |       | 21.28       |        | 1.89   | 0.17       | 7.74                           |        |          |          |           |            |      |     | I  |
| I | VALOR F PARA COMP. VARIETAL  |       | 1.68        |        | 21.56  | 218.33     | 0.98                           |        |          |          |           |            |      |     | I  |
| I | PR03. > F                    |       | 0.4008      |        | 0.0001 | 0.0001     | 0.5076                         |        |          |          |           |            |      |     | I  |
| I | D.M.S. (5%)                  |       | 1.49        |        | 2.96   | 0.36       | 8.50                           |        |          |          |           |            |      |     | I  |

CUADRO NO. 2.15 VIRAL-T , 1982, VARI-DADES TEMPRANAS  
 SEXTO VIVERO INTERNACIONAL DE PERDOMIENTO DE ARROZ PARA AMERICA LATINA  
 PRUEBA NO. 15

COOPERADOR : M.R.PAZOS-U.R.GARCIA-R.C.DIAZ

```

=====
PAIS..... GUATEMALA TEMPERATURA MIN.... 20 GR.C TEXTURA..... FRANCO
LOCALIDAD..... CUYUTA MAX..... 37 GR.C PH..... 6.9
EST. EXPERIMENTAL.. CUYUTA PROM..... 29 GR.C FERTILIZACION... 120 N 13 P 25 K
LATITUD..... 14 GR. 7' N PRECIPITACION..... 1186MM
LONGITUD..... 90 GR. 52' W DIAS LLUVIOSOS..... 74
ALTITUD (MSNM).... 48
PROTECCION CONTRA: ENFERMEDADES..
INSECTOS.....
INSECTOS..... SPIDOPTERA FRUGIPERDA
TIBRACA LIMBATIVENTRIS
=====
    
```

SISTEMA DE CULTIVO: SECANO FAVORECIDO COMENTARIOS:

```

=====
I LINLA RENDIMIENTO DIAS A DIAS A ALTURA LDG ENFERMEDADES Y OTROS PROBLEMAS I
I VARIEDAD CODIGO (TON/HA) POSICION FLORACION MADURACION (CM) BL SHB NBL OS LSC MB GD I
I=====I
I P2015F4-108-10-1B 1 4.21 8 103.00 135.33 99.33 1 5 1 4 I
I P2013F4-82-2-1B 2 3.36 18 95.33 131.00 85.67 1 4 2 5 I
I P2015F4-66-1-13 3 2.59 26 97.67 129.67 92.33 1 6 3 5 I
I P2015F4-66-5-1B 4 4.76 1 103.00 131.33 93.00 1 6 3 4 I
I P2015F4-32-5-1B 5 2.21 30 98.00 126.67 93.33 1 7 3 6 I
I P2015F4-138-3-1B 6 2.61 25 101.33 131.33 90.67 1 6 4 5 I
I P2015F4-148-5-1B 7 3.56 15 109.33 136.00 108.33 1 2 3 5 I
I P2015F4-150-4-1B 8 3.20 20 112.67 135.33 98.33 1 2 3 4 I
I P2020F4-46-2-1B 9 2.53 28 104.00 131.67 93.67 1 5 3 5 I
I CICA 3 (TESTIGO) 10 3.53 16 103.33 132.00 91.67 1 4 2 4 I
I P2020F4-140-3-1B 11 3.52 17 100.67 132.00 92.67 1 3 3 4 I
I P2020F4-149-1-1B 12 3.96 11 101.00 131.67 97.33 1 4 3 4 I
I P2020F4-161-5-1B 13 3.66 14 101.33 130.33 94.33 1 5 3 4 I
I P2030F4-220-1B-1B 14 3.32 19 102.00 133.67 97.33 1 5 2 5 I
I P2023F4-74-2-1B 15 4.14 9 105.00 134.33 103.67 1 2 2 5 I
I P2075F4-159-3-1B 16 4.62 3 105.67 133.67 97.33 1 2 2 5 I
I P2026F4-12-2-1B 17 3.06 23 101.00 133.67 108.00 1 3 4 4 I
I P2030F4-217-4-1B 18 4.29 5 100.00 132.33 91.33 1 2 3 5 I
I P2030F4-222-1-1B 19 2.90 24 102.67 132.67 98.00 1 5 2 5 I
I IR 43 (TESTIGO) 20 4.23 7 102.33 131.67 96.00 1 2 2 5 I
I P2030F4-222-2-1B 21 1.79 31 111.67 134.00 93.00 1 8 2 5 I
I P2030F4-243-4-1B 22 4.08 10 98.00 128.00 89.33 1 4 3 6 I
I P2034F4-25-6-1B 23 3.15 22 102.33 129.67 91.67 1 5 3 5 I
I P1897-15-1-4-1-1B-1B 24 3.16 21 104.33 132.67 103.33 1 2 2 4 I
I IR4422-98-3-6-1 25 4.27 6 102.67 132.67 112.67 1 2 2 5 I
I IR2153-276-1-10-PR509 26 3.83 12 98.00 130.33 89.33 1 5 2 5 I
I SPR7254-57-5 27 4.69 2 100.67 131.67 99.33 1 3 3 4 I
I IP5853-118-5 28 2.54 27 99.33 127.33 91.67 1 2 5 6 I
I IR14753-120-3 29 3.68 13 104.67 134.67 103.00 2 2 4 4 I
I CICA 4 (TESTIGO) 30 2.24 29 92.67 121.00 81.00 1 3 2 5 I
I TESTIGO LOCAL 31 4.43 4 103.67 133.33 96.67 2 3 2 5 I
I=====I
I PROMEDIO GENERAL 3.49 102.17 131.67 95.91 1.1 3.9 2.7 4.6 I
I=====I
I DESVIACION ESTANDAR 0.92 3.31 2.62 5.33 I
I COEFICIENTE DE VARIACION (%) 26.25 3.24 1.99 5.55 I
I VALOR F PARA COMP. VARIETAL 2.25 4.78 3.93 4.78 I
I PROM. > F 0.0338 0.0001 0.0001 0.0001 I
I D.M.S. (5%) 1.50 5.40 4.27 8.70 I
I=====I
    
```

CUADRO NO. 16 VIRAL-T, 1982. VARIETADES TEMPRANAS  
SEXTO VIVERO INTERNACIONAL DE RENDIMIENTO DE ARROZ PARA AMERICA LATINA  
PRUEBA NO. 16

COOPERADOR : W.R. PAZOS-CARLOS F. ALBUREZ-R.C. DE LA CRUZ

```

=====
PAIS..... GUATEMALA          TEMPERATURA MIN.... GR.C      TEXTURA..... FRANCO-ARCILLOSO
LOCALIDAD..... IZABAL          MAX..... GR.C      PH..... 5.5
EST. EXPERIMENTAL.. LA CRISTINA  PROM.... GR.C      FERTILIZACION... 40 N 26 P K
LATITUD..... 15 GR. 17' N      PRECIPITACION..... 1811MM
LONGITUD..... 89 GR. 2' W      DIAS LLUVIOSOS..... 86
ALTITUD (MSNM).... 69
PROTECCION CONTRA: ENFERMEDADES.. NINGUNA
INSECTOS..... NECESARIA
=====

```

SISTEMA DE CULTIVO: SECANO FAVORECIDO COMENTARIOS:

| I | I | VARIEDAD                     | LINEA CODIGO | RENDIMIENTO (TON/HA) | POSICION | DIAS A FLORACION | DIAS A MAURACION | ALTURA LOG (CM) | ENFERMEDADES Y OTROS PROBLEMAS |     |     |     |     |     |   |
|---|---|------------------------------|--------------|----------------------|----------|------------------|------------------|-----------------|--------------------------------|-----|-----|-----|-----|-----|---|
|   |   |                              |              |                      |          |                  |                  |                 | BL                             | SHB | NGL | BS  | LSC | HB  |   |
| I | I | P2015F4-108-10-1B            | 1            | 7.98                 | 8        | 101.33           | 133.33           | 105.67          | 1                              | 1   |     | 2   | 4   |     | I |
| I | I | P2015F4-82-2-1B              | 2            | 6.91                 | 18       | 95.33            | 129.33           | 103.67          | 1                              | 1   |     | 1   | 4   |     | I |
| I | I | P2015F4-06-1-1B              | 3            | 8.14                 | 5        | 98.00            | 130.00           | 108.67          | 1                              | 1   |     | 1   | 5   |     | I |
| I | I | P2015F4-66-5-1B              | 4            | 8.06                 | 6        | 96.00            | 128.33           | 114.33          | 1                              | 1   |     | 1   | 4   |     | I |
| I | I | P2015F4-82-5-1B              | 5            | 7.15                 | 15       | 94.00            | 128.33           | 108.67          | 2                              | 1   |     | 1   | 5   |     | I |
| I | I | P2015F4-138-3-1B             | 6            | 8.58                 | 1        | 98.00            | 130.00           | 114.00          | 1                              | 1   |     | 1   | 4   |     | I |
| I | I | P2015F4-148-5-1B             | 7            | 2.52                 | 29       | 101.33           | 130.00           | 120.00          | 6                              | 1   |     | 2   | 4   |     | I |
| I | I | P2015F4-150-4-1B             | 8            | 4.37                 | 28       | 97.33            | 130.00           | 107.50          | 4                              | 1   |     | 2   | 5   |     | I |
| I | I | P2020F4-46-2-1B              | 9            | 8.24                 | 3        | 97.33            | 130.00           | 112.67          | 1                              | 1   |     | 2   | 4   |     | I |
| I | I | CICA 8 (TESTIGO)             | 10           | 7.83                 | 10       | 98.00            | 128.33           | 102.67          | 1                              | 1   |     | 2   | 4   |     | I |
| I | I | P2020F4-140-3-1B             | 11           | 8.23                 | 4        | 98.67            | 130.00           | 105.00          | 1                              | 1   |     | 2   | 3   |     | I |
| I | I | P2020F4-149-1-1B             | 12           | 8.00                 | 7        | 100.00           | 128.33           | 106.00          | 2                              | 1   |     | 2   | 4   |     | I |
| I | I | P2020F4-161-5-1B             | 13           | 8.44                 | 2        | 99.33            | 130.00           | 106.67          | 1                              | 1   |     | 1   | 3   |     | I |
| I | I | P2030F4-276-10-1B            | 14           | 7.59                 | 12       | 110.00           | 140.00           | 113.67          | 1                              | 1   |     | 2   | 4   |     | I |
| I | I | P2023F4-74-2-1B              | 15           | 7.05                 | 16       | 110.00           | 140.00           | 118.00          | 1                              | 1   |     | 2   | 3   |     | I |
| I | I | P2025F4-159-3-1B             | 16           | 7.62                 | 11       | 110.00           | 140.00           | 118.00          | 1                              | 1   |     | 1   | 3   |     | I |
| I | I | P2026F4-12-2-1B              | 17           | 7.04                 | 17       | 98.00            | 130.00           | 122.67          | 1                              | 1   |     | 2   | 6   |     | I |
| I | I | P2030F4-217-4-1B             | 18           | 7.84                 | 9        | 109.33           | 140.00           | 109.33          | 1                              | 1   |     | 1   | 3   |     | I |
| I | I | P2030F4-222-1-1B             | 19           | 6.57                 | 20       | 111.67           | 146.67           | 119.00          | 1                              | 1   |     | 2   | 5   |     | I |
| I | I | IP 43 (TESTIGO)              | 20           | 5.57                 | 23       | 94.00            | 126.67           | 100.00          | 1                              | 2   |     | 1   | 5   |     | I |
| I | I | P2030F4-222-2-1B             | 21           | 5.49                 | 24       | 112.33           | 150.00           | 121.33          | 1                              | 1   |     | 1   | 6   |     | I |
| I | I | P2030F4-243-4-1B             | 22           | 6.74                 | 19       | 100.67           | 130.00           | 106.67          | 1                              | 1   |     | 1   | 4   |     | I |
| I | I | P2034F4-25-6-1B              | 23           | 4.78                 | 26       | 97.33            | 130.00           | 107.50          | 4                              | 1   |     | 2   | 4   |     | I |
| I | I | P1897-15-1-4-1-1B-1B         | 24           | 7.32                 | 14       | 100.00           | 130.00           | 108.33          | 1                              | 1   |     | 2   | 4   |     | I |
| I | I | IN4422-98-3-6-1              | 25           | 4.48                 | 27       | 104.00           | 135.00           | 113.50          | 4                              | 1   |     | 3   | 5   |     | I |
| I | I | IR2153-276-1-10-PR509        | 26           | 2.49                 | 30       | 90.67            | 130.00           | 114.00          | 1                              | 2   | 9   | 3   | 5   |     | I |
| I | I | SPR7284-57-5                 | 27           | 4.82                 | 25       | 98.00            | 130.00           | 108.67          | 1                              | 5   |     | 3   | 5   |     | I |
| I | I | IR5853-118-5                 | 28           | 5.74                 | 22       | 95.33            | 128.33           | 111.00          | 1                              | 1   |     | 2   | 5   |     | I |
| I | I | IR14753-120-3                | 29           | 7.54                 | 13       | 105.33           | 136.67           | 117.33          | 1                              | 1   |     | 2   | 3   |     | I |
| I | I | CICA 8 (TESTIGO)             | 30           | 1.37                 | 31       | 84.00            | 120.00           | 112.00          | 1                              | 6   | 6   | 1   | 7   |     | I |
| I | I | IG-3022 (T. LOCAL)           | 31           | 6.11                 | 21       | 104.00           | 133.33           | 105.33          | 1                              | 1   |     | 2   | 5   |     | I |
| I | I | PROMEDIO GENERAL             |              | 6.47                 |          | 100.49           | 132.34           | 111.03          | 1.5                            | 1.4 |     | 7.7 | 1.7 | 4.3 | I |
| I | I | DESVIACION ESTANDAR          |              | 1.80                 |          | 3.01             | 2.88             | 5.83            |                                |     |     |     |     |     | I |
| I | I | COEFICIENTE DE VARIACION (%) |              | 27.91                |          | 3.00             | 2.17             | 5.26            |                                |     |     |     |     |     | I |
| I | I | VALOR F PARA COMP. VARIETAL  |              | 3.31                 |          | 12.93            | 12.12            | 2.80            |                                |     |     |     |     |     | I |
| I | I | PRUB. > F                    |              | 0.0001               |          | 0.0001           | 0.0001           | 0.0006          |                                |     |     |     |     |     | I |
| I | I | D.M.S. (5%)                  |              | 2.95                 |          | 4.92             | 4.72             | 9.56            |                                |     |     |     |     |     | I |

CUADRO NO. 2.17 VIAL-T, 1952. VARIETADES TEMPRANAS  
SEXTO VIVERO INTERNACIONAL DE ENDIMIENTO DE ARROZ PARA AMERICA LATINA  
PRUEBA NO. 17

COOPERADOR : W.P. PAZOS-EDGAR BARRIENTOS-JUAN FUENTES

|                     |              |                     |         |                    |                                   |
|---------------------|--------------|---------------------|---------|--------------------|-----------------------------------|
| PAIS.....           | GUATEMALA    | TEMPERATURA MIN.... | 23 GR.C | TEXTURA.....       |                                   |
| LOCALIDAD.....      | PANZOS       | MAX.....            | 33 GR.C | PH.....            | 6.4                               |
| EST. EXPERIMENTAL.. | FINCA SEPUR  | PROM....            | 23 GR.C | FERTILIZACION...   | 64 N 26 P 17 K                    |
| LATITUD.....        | 15 GR. 30' N | PRECIPITACION.....  | 2105MM  | PROTECCION CONTRA: | ENFERMEDADES.. NINGUNA            |
| LONGITUD.....       | 99 GR. 30' W | DIAS LLUVIOSOS..... | 133     |                    | INSECTOS..... NECESARIA           |
| ALTITUD. (MSNM).... |              |                     |         |                    | INSECTOS..... BLISSUS LEUCOPTERUS |
|                     |              |                     |         |                    | DEBALUS SP.                       |

SISTEMA DE CULTIVO: SECANO FAVGRECIDD COMENTARIOS:

| I | I | VARIEDAD                     | LINEA CODIGO | RENDIMIENTO [TON/HA] | POSICION | DIAS A FLORACION | DIAS A MADURACION | ALTURA LDG [CM] | ENFERMEDADES Y OTROS PROBLEMAS |     |     |           | I   |   |
|---|---|------------------------------|--------------|----------------------|----------|------------------|-------------------|-----------------|--------------------------------|-----|-----|-----------|-----|---|
|   |   |                              |              |                      |          |                  |                   |                 | BL                             | SHB | NBL | BS LSC HB |     |   |
| I | I | P2015F4-108-1B-1B            | 1            | 4.31                 | 31       | 114.67           | 138.67            | 85.00           | 1                              | 1   |     | 3         | 3   | I |
| I | I | P2015F4-82-2-1B              | 2            | 5.08                 | 28       | 104.00           | 130.67            | 101.67          | 1                              | 1   |     | 2         | 3   | I |
| I | I | P2015F4-66-1-1B              | 3            | 6.24                 | 20       | 107.33           | 132.00            | 106.67          | 1                              | 1   |     | 2         | 2   | I |
| I | I | P2015F4-66-5-1B              | 4            | 5.98                 | 24       | 110.00           | 132.00            | 103.33          | 1                              | 2   |     | 2         | 2   | I |
| I | I | P2015F4-82-3-1B              | 5            | 6.76                 | 14       | 107.67           | 131.00            | 100.00          | 1                              | 1   |     | 3         | 3   | I |
| I | I | P2015F4-138-3-1B             | 6            | 6.37                 | 18       | 109.67           | 134.67            | 106.67          | 1                              | 1   |     | 2         | 2   | I |
| I | I | P2015F4-148-5-1B             | 7            | 6.10                 | 21       | 111.33           | 134.67            | 108.33          | 1                              | 2   |     | 3         | 1   | I |
| I | I | P2015F4-150-4-1B             | 8            | 7.12                 | 8        | 110.67           | 135.00            | 113.33          | 1                              | 2   |     | 2         | 1   | I |
| I | I | P2020F4-46-2-1B              | 9            | 7.22                 | 5        | 109.67           | 135.33            | 105.00          | 1                              | 1   |     | 2         | 2   | I |
| I | I | CICA B (TESTIGO)             | 10           | 6.95                 | 12       | 111.00           | 133.67            | 101.67          | 1                              | 2   |     | 2         | 2   | I |
| I | I | P2020F4-140-3-1B             | 11           | 7.16                 | 6        | 109.33           | 134.33            | 101.67          | 1                              | 1   |     | 2         | 2   | I |
| I | I | P2020F4-149-1-1B             | 12           | 7.26                 | 3        | 109.33           | 134.33            | 103.33          | 1                              | 2   |     | 2         | 3   | I |
| I | I | P2020F4-161-5-1B             | 13           | 7.67                 | 1        | 109.00           | 134.00            | 104.33          | 1                              | 1   |     | 3         | 2   | I |
| I | I | P2030F4-226-1B-1B            | 14           | 5.56                 | 26       | 117.00           | 139.67            | 100.00          | 1                              | 2   |     | 2         | 2   | I |
| I | I | P2023F4-74-2-1B              | 15           | 4.92                 | 29       | 117.00           | 138.33            | 105.00          | 1                              | 2   |     | 2         | 2   | I |
| I | I | P2025F4-159-3-1B             | 16           | 6.57                 | 15       | 118.00           | 139.00            | 110.00          | 1                              | 1   |     | 4         | 2   | I |
| I | I | P2026F4-12-2-1B              | 17           | 6.09                 | 22       | 103.00           | 131.67            | 108.33          | 1                              | 1   |     | 4         | 4   | I |
| I | I | P2030F4-217-4-1B             | 18           | 6.46                 | 17       | 108.67           | 133.33            | 101.67          | 1                              | 2   |     | 3         | 2   | I |
| I | I | P2030F4-222-1-1B             | 19           | 6.28                 | 19       | 120.33           | 141.33            | 108.33          | 1                              | 2   |     | 3         | 2   | I |
| I | I | IR 43 (TESTIGO)              | 20           | 7.26                 | 4        | 102.00           | 129.33            | 106.67          | 1                              | 1   |     | 3         | 2   | I |
| I | I | P2030F4-222-2-1B             | 21           | 5.22                 | 27       | 125.00           | 146.67            | 101.67          | 1                              | 2   |     | 3         | 3   | I |
| I | I | P2030F4-243-4-1B             | 22           | 7.15                 | 7        | 103.67           | 131.67            | 105.00          | 1                              | 1   |     | 2         | 2   | I |
| I | I | P2034F4-25-6-1B              | 23           | 7.42                 | 2        | 109.00           | 134.00            | 108.33          | 1                              | 2   |     | 3         | 2   | I |
| I | I | PI397-15-1-4-1-1B-1B         | 24           | 4.70                 | 30       | 108.33           | 134.00            | 106.67          | 1                              | 1   |     | 3         | 1   | I |
| I | I | IR4422-98-3-6-1              | 25           | 5.67                 | 25       | 117.33           | 139.00            | 115.00          | 1                              | 1   |     | 3         | 2   | I |
| I | I | IR2153-276-1-10-PR509        | 26           | 6.53                 | 16       | 108.33           | 127.33            | 105.00          | 1                              | 1   |     | 5         | 3   | I |
| I | I | SPR7284-57-5                 | 27           | 6.82                 | 13       | 103.00           | 131.00            | 111.67          | 1                              | 1   |     | 2         | 3   | I |
| I | I | IR5853-118-5                 | 28           | 6.03                 | 23       | 101.00           | 126.33            | 105.00          | 1                              | 1   |     | 3         | 3   | I |
| I | I | IR14753-120-3                | 29           | 7.07                 | 9        | 107.67           | 133.00            | 113.33          | 1                              | 2   |     | 4         | 2   | I |
| I | I | CICA 4 (TESTIGO)             | 30           | 6.97                 | 11       | 95.00            | 116.00            | 103.33          | 1                              | 1   |     | 2         | 2   | I |
| I | I | ICTA-VIRGINIA (T.LOCAL)      | 31           | 7.00                 | 10       | 116.67           | 132.33            | 99.33           | 1                              | 1   |     | 2         | 2   | I |
| I | I | PROMEDIO GENERAL             |              | 6.38                 |          | 109.86           | 133.69            | 105.01          | 1.0                            | 1.4 |     | 2.7       | 2.2 | I |
| I | I | DESVIACION ESTANDAR          |              | 0.62                 |          | 3.11             | 1.56              | 5.40            |                                |     |     |           |     | I |
| I | I | COEFICIENTE DE VARIACION (%) |              | 12.86                |          | 2.83             | 1.17              | 5.14            |                                |     |     |           |     | I |
| I | I | VALOR F PARA COMP. VARIETAL  |              | 3.35                 |          | 12.39            | 34.35             | 3.12            |                                |     |     |           |     | I |
| I | I | PROB. > F                    |              | 0.0001               |          | 0.0001           | 0.0001            | 0.0001          |                                |     |     |           |     | I |
| I | I | D.M.S. (5%)                  |              | 1.34                 |          | 5.08             | 2.55              | 8.82            |                                |     |     |           |     | I |



CUADRO NO. 2.18 VIRAL-T, 1982. VARIETADES TEMPRANAS  
 SEXTO VIVERO INTERNACIONAL DE RENDIMIENTO DE ARROZ PARA AMERICA LATINA  
 PRUEBA NO. 18

COOPERADOR : LUIS ALBERTO GUERRERO

```

=====
PAIS..... EL SALVADOR          TEMPERATURA MIN.... 19 GR.C      TEXTURA..... FRANCO-ARCILLOSO
LOCALIDAD..... ARCE              MAX..... 32 GR.C          PH..... 6.2
EST. EXPERIMENTAL... SAN ANDRES   PROM.... 26 GR.C          FERTILIZACION... 109 N   23 P   K
LATITUD..... 13 GR. 48' N        PRECIPITACION..... 1189MM
LONGITUD..... 89 GR. 24' W       DIAS LLUVIOSOS..... 96
ALTITUD (MSNM).... 460
PROTECCION CONTRA: ENFERMEDADES.. NINGUNA
INSECTOS..... NECESARIA
=====
    
```

SISTEMA DE CULTIVO: SECAÑO FAVORECIDO      COMENTARIOS:

| I     | VARIEDAD                     | LINEA CODIGO | RENDIMIENTO (TON/HA) | POSICION | DIAS A FLORACION | DIAS A MADURACION | ALTURA LOG (CM) | ENFERMEDADES Y OTROS PROBLEMAS |     |     |     |     | I |
|-------|------------------------------|--------------|----------------------|----------|------------------|-------------------|-----------------|--------------------------------|-----|-----|-----|-----|---|
|       |                              |              |                      |          |                  |                   |                 | BL                             | SHB | NGL | BS  | LSC |   |
| I     | P2015F4-108-18-1B            | 1            | 6.48                 | 8        | 105.00           | 128.67            | 84.67           | 1                              | 0   | 0   | 0   |     | I |
| I     | P2013F4-82-7-18              | 2            | 4.83                 | 28       | 93.00            | 124.67            | 84.67           | 1                              | 2   | 0   | 4   |     | I |
| I     | P2015F4-66-1-18              | 3            | 5.49                 | 22       | 94.67            | 124.00            | 82.67           | 1                              | 0   | 0   | 4   |     | I |
| I     | P2015F4-66-5-18              | 4            | 6.38                 | 11       | 96.33            | 126.33            | 92.33           | 1                              | 0   | 0   | 0   |     | I |
| I     | P2015F4-82-5-18              | 5            | 6.70                 | 7        | 99.00            | 124.67            | 88.67           | 1                              | 2   | 0   | 0   |     | I |
| I     | P2015F4-138-3-18             | 6            | 6.43                 | 10       | 101.33           | 128.67            | 91.33           | 1                              | 0   | 0   | 0   |     | I |
| I     | P2015F4-148-5-18             | 7            | 6.47                 | 9        | 105.00           | 133.67            | 97.00           | 1                              | 3   | 0   | 0   |     | I |
| I     | P2015F4-150-4-18             | 8            | 5.62                 | 18       | 107.00           | 131.00            | 100.33          | 1                              | 2   | 0   | 0   |     | I |
| I     | P2020F4-46-2-18              | 9            | 7.39                 | 2        | 104.67           | 130.33            | 92.33           | 1                              | 0   | 0   | 0   |     | I |
| I     | CICA B (TESTIGO)             | 10           | 7.01                 | 3        | 102.00           | 126.67            | 87.33           | 1                              | 0   | 0   | 0   |     | I |
| I     | P2020F4-140-3-18             | 11           | 5.92                 | 16       | 105.67           | 131.00            | 85.67           | 1                              | 0   | 0   | 0   |     | I |
| I     | P2020F4-149-1-18             | 12           | 6.77                 | 6        | 105.33           | 130.33            | 90.33           | 1                              | 0   | 0   | 7   |     | I |
| I     | P2020F4-161-5-18             | 13           | 8.79                 | 1        | 102.33           | 131.00            | 93.67           | 1                              | 0   | 0   | 7   |     | I |
| I     | P2030F4-226-18-18            | 14           | 5.15                 | 24       | 103.00           | 133.50            | 81.00           | 1                              | 0   | 0   | 0   |     | I |
| I     | P2023F4-74-2-18              | 15           | 5.36                 | 23       | 99.33            | 127.67            | 95.00           | 1                              | 0   | 0   | 0   |     | I |
| I     | P2025F4-159-3-18             | 16           | 6.85                 | 5        | 100.67           | 128.67            | 91.00           | 1                              | 0   | 0   | 0   |     | I |
| I     | P2026F4-12-2-18              | 17           | 4.94                 | 25       | 93.33            | 128.00            | 95.33           | 1                              | 2   | 0   | 7   |     | I |
| I     | P2030F4-217-4-18             | 18           | 5.54                 | 20       | 95.00            | 125.33            | 77.67           | 1                              | 2   | 0   | 7   |     | I |
| I     | P2030F4-222-1-18             | 19           | 5.93                 | 15       | 100.00           | 129.00            | 86.33           | 1                              | 2   | 0   | 0   |     | I |
| I     | IR 43 (TESTIGO)              | 20           | 6.18                 | 14       | 98.33            | 129.33            | 80.00           | 1                              | 3   | 0   | 0   |     | I |
| I     | P2030F4-222-2-18             | 21           | 6.30                 | 13       | 100.00           | 132.00            | 90.67           | 1                              | 0   | 0   | 7   |     | I |
| I     | P2030F4-243-4-18             | 22           | 6.30                 | 12       | 94.67            | 124.67            | 83.00           | 1                              | 2   | 0   | 7   |     | I |
| I     | P2034F4-25-5-18              | 23           | 6.88                 | 4        | 98.33            | 127.00            | 93.67           | 1                              | 2   | 0   | 7   |     | I |
| I     | PI897-15-1-4-1-18-18         | 24           | 5.59                 | 19       | 103.67           | 128.50            | 94.33           | 1                              | 2   | 0   | 0   |     | I |
| I     | IR4422-98-3-6-1              | 25           | 5.74                 | 17       | 101.67           | 128.50            | 105.33          | 1                              | 0   | 0   | 0   |     | I |
| I     | IR2153-276-1-10-PR509        | 26           | 3.57                 | 31       | 99.00            | 131.00            | 74.33           | 1                              | 5   | 7   | 5   |     | I |
| I     | SPR7284-57-5                 | 27           | 4.87                 | 27       | 103.00           | 131.00            | 89.00           | 1                              | 2   | 7   | 7   |     | I |
| I     | IR5353-118-5                 | 28           | 4.66                 | 29       | 95.33            | 124.67            | 88.67           | 1                              | 3   | 7   | 0   |     | I |
| I     | IR14753-120-3                | 29           | 5.49                 | 21       | 100.67           | 128.67            | 97.00           | 1                              | 2   | 7   | 0   |     | I |
| I     | CICA A (TESTIGO)             | 30           | 4.58                 | 30       | 91.00            | 124.00            | 77.00           | 1                              | 5   | 0   | 0   |     | I |
| I     | CENTA-A1(T.LOCAL)            | 31           | 4.92                 | 26       | 94.67            | 124.00            | 93.00           | 1                              | 0   | 0   | 0   |     | I |
| ===== |                              |              |                      |          |                  |                   |                 |                                |     |     |     |     |   |
| I     | PROMEDIO GENERAL             |              | 5.91                 |          | 99.94            | 128.27            | 89.14           | 1.0                            |     | 1.2 | 0.9 | 2.2 | I |
| ===== |                              |              |                      |          |                  |                   |                 |                                |     |     |     |     |   |
| I     | DESVIACION ESTYNDAR          |              | 0.89                 |          | 3.40             | 2.92              | 4.90            |                                |     |     |     |     | I |
| I     | COEFICIENTE DE VARIACION (%) |              | 15.08                |          | 3.41             | 2.28              | 5.50            |                                |     |     |     |     | I |
| I     | VALDR F PARA COMP. VARIETAL  |              | 3.90                 |          | 4.44             | 2.57              | 6.21            |                                |     |     |     |     | I |
| I     | PROB. > F                    |              | 0.0001               |          | 0.0001           | 0.0014            | 0.0001          |                                |     |     |     |     | I |
| I     | D.M.S. (5%)                  |              | 1.45                 |          | 5.56             | 4.78              | 8.00            |                                |     |     |     |     | I |
| ===== |                              |              |                      |          |                  |                   |                 |                                |     |     |     |     |   |

CUADRO NO. 2-19 VIRAL-T , 1982. VARIEDADES TEMPRANAS  
SEXTO VIVERO INTERNACIONAL DE RENDIMIENTO DE ARROZ PARA AMERICA LATINA  
PRUEBA NO. 17

COOPERADOR : ROLANDO RUBI ELLIS

```

=====
PAIS..... HONDURAS          TEMPERATURA MIN.... 21 GR.C    TEXTURA..... FRANCO-ARCILLOSO
LOCALIDAD..... EL PROGRESO    MAX..... 30 GR.C          PH..... 6.5
EST. EXPERIMENTAL.. GUAYMAS    PROM..... 26 GR.C        FERTILIZACION... 105 N   22 P   21 K
LATITUD..... 15 GR. 30' N    PRECIPITACION..... 1252MM
LONGITUD..... 87 GR. 48' W    DIAS LLUVIOSOS..... 96
ALTITUD (MSNM).... 60
=====
PROTECCION CONTRA: ENFERMEDADES..
INSECTOS..... NECESARIA
CHINCHES
=====

```

SISTEMA DE CULTIVO: SECANO FAVORECIDO COMENTARIOS:

| I | VARIEDAD                     | LINEA CODIGO | RENDIMIENTO (TON/HA) | POSICION | DIAS A    |            | ALTURA LDG (CM) | ENFERMEDADES Y OTROS PROBLEMAS |     |     |    |     | I |    |   |
|---|------------------------------|--------------|----------------------|----------|-----------|------------|-----------------|--------------------------------|-----|-----|----|-----|---|----|---|
|   |                              |              |                      |          | FLORACION | MADURACION |                 | BL                             | SHB | NBL | BS | LSC |   | MB |   |
| I | P2015F4-198-1B-1B            | 1            | 4.67                 | 20       | 101.00    | 134.00     | 92.00           | 1                              | 4   |     |    |     |   |    | I |
| I | P2013F4-82-2-1B              | 2            | 4.32                 | 27       | 98.67     | 131.67     | 95.00           |                                | 5   |     |    |     |   |    | I |
| I | P2015F4-66-1-1B              | 3            | 4.78                 | 17       | 94.33     | 129.33     | 98.33           |                                | 4   |     |    |     |   |    | I |
| I | P2015F4-66-5-1B              | 4            | 5.07                 | 12       | 95.67     | 127.00     | 100.33          |                                | 4   |     |    |     |   |    | I |
| I | P2015F4-82-5-1B              | 5            | 4.63                 | 22       | 93.00     | 127.00     | 93.00           |                                | 5   |     |    |     |   |    | I |
| I | P2015F4-138-3-1B             | 6            | 5.85                 | 1        | 96.67     | 134.00     | 101.33          |                                | 4   |     |    |     |   |    | I |
| I | P2015F4-148-5-1B             | 7            | 4.31                 | 28       | 99.00     | 134.00     | 100.00          |                                | 4   |     |    |     |   |    | I |
| I | P2015F4-150-4-1B             | 8            | 4.76                 | 18       | 101.00    | 134.00     | 102.00          |                                | 4   |     |    |     |   |    | I |
| I | P2020F4-46-2-1B              | 9            | 5.10                 | 9        | 99.00     | 129.33     | 95.00           |                                | 4   |     |    |     |   |    | I |
| I | CICA 8 (TESTIGO)             | 10           | 5.73                 | 2        | 99.33     | 131.67     | 95.33           |                                | 3   |     |    |     |   |    | I |
| I | P2020F4-140-3-1B             | 11           | 5.15                 | 7        | 99.33     | 131.67     | 92.00           |                                | 3   |     |    |     |   |    | I |
| I | P2020F4-149-1-1B             | 12           | 5.07                 | 13       | 100.33    | 129.33     | 90.00           |                                | 2   |     |    |     |   |    | I |
| I | P2020F4-161-5-1B             | 13           | 5.17                 | 6        | 99.67     | 127.00     | 96.67           |                                | 1   |     |    |     |   |    | I |
| I | P2030F4-226-1B-1B            | 14           | 3.78                 | 31       | 103.00    | 134.00     | 91.00           |                                | 1   |     |    |     |   |    | I |
| I | P2023F4-74-2-1B              | 15           | 4.49                 | 25       | 98.67     | 131.67     | 97.67           |                                | 1   |     |    |     |   |    | I |
| I | P2025F4-159-3-1B             | 16           | 4.89                 | 16       | 99.00     | 131.67     | 97.00           |                                | 2   |     |    |     |   |    | I |
| I | P2026F4-12-2-1B              | 17           | 4.34                 | 26       | 95.33     | 131.67     | 101.33          |                                | 5   |     |    |     |   |    | I |
| I | P2030F4-217-4-1B             | 18           | 4.19                 | 29       | 102.67    | 134.00     | 91.67           |                                | 2   |     |    |     |   |    | I |
| I | P2030F4-222-1-1B             | 19           | 4.66                 | 21       | 99.67     | 131.67     | 98.00           |                                | 2   |     |    |     |   |    | I |
| I | IR 43 (TESTIGO)              | 20           | 4.75                 | 19       | 91.00     | 127.00     | 92.67           |                                | 5   |     |    |     |   |    | I |
| I | P2030F4-222-2-1B             | 21           | 5.09                 | 11       | 100.67    | 134.00     | 98.00           |                                | 2   |     |    |     |   |    | I |
| I | P2030F4-243-4-1B             | 22           | 5.10                 | 10       | 98.00     | 127.00     | 94.00           |                                | 5   |     |    |     |   |    | I |
| I | P2034F4-25-6-1B              | 23           | 5.30                 | 5        | 97.33     | 127.00     | 97.33           |                                | 4   |     |    |     |   |    | I |
| I | P1897-15-1-4-1-1B-1B         | 24           | 4.18                 | 30       | 98.00     | 134.00     | 95.67           |                                | 4   |     |    |     |   |    | I |
| I | IR4422-98-3-6-1              | 25           | 5.96                 | 14       | 103.67    | 134.00     | 104.67          |                                | 2   |     |    |     |   |    | I |
| I | IR2153-276-1-10-PR509        | 26           | 4.52                 | 24       | 95.67     | 129.33     | 85.67           |                                | 5   |     |    |     |   |    | I |
| I | SPR7284-57-5                 | 27           | 5.02                 | 15       | 98.33     | 129.33     | 101.33          |                                | 3   |     |    |     |   |    | I |
| I | IRS853-118-5                 | 28           | 5.16                 | 8        | 88.67     | 127.00     | 97.00           |                                | 5   |     |    |     |   |    | I |
| I | IR14753-120-3                | 29           | 5.47                 | 4        | 96.67     | 130.67     | 104.00          |                                | 6   |     |    |     |   |    | I |
| I | CICA 4 (TESTIGO)             | 30           | 4.59                 | 23       | 89.00     | 127.00     | 89.00           |                                | 7   |     |    |     |   |    | I |
| I | TESTIGO LOCAL                | 31           | 5.49                 | 3        | 100.33    | 134.00     | 92.33           |                                | 5   |     |    |     |   |    | I |
| I | PROMEDIO GENERAL             |              | 4.86                 |          | 97.73     | 130.81     | 96.11           | 1.0                            | 3.7 |     |    |     |   |    | I |
| I | DESVIACION ESTANDAR          |              | 0.61                 |          | 1.43      | 2.46       | 4.27            |                                |     |     |    |     |   |    | I |
| I | COEFICIENTE DE VARIACION (%) |              | 12.46                |          | 1.47      | 1.88       | 4.44            |                                |     |     |    |     |   |    | I |
| I | VALOR F PARA COMP. VARIETAL  |              | 1.83                 |          | 18.41     | 3.85       | 3.42            |                                |     |     |    |     |   |    | I |
| I | PRDD. > F                    |              | 0.0232               |          | 0.0001    | 0.0001     | 0.0001          |                                |     |     |    |     |   |    | I |
| I | D.M.S. (5%)                  |              | 0.99                 |          | 2.34      | 4.03       | 6.97            |                                |     |     |    |     |   |    | I |

COOPERADOR : AGUSTIN MORAZAN OCAMPO

|                            |                              |   |
|----------------------------|------------------------------|---|
| PAIS..... HONDURAS         | TEMPERATURA MIN..... 21 GR.C | TEXTURA..... FRANCO                       |
| LOCALIDAD..... LA CEIBA    | MAX..... 29 GR.C             | PH..... 5.8                               |
| EST. EXPERIMENTAL... CURLA | PRDM... 25 GR.C              | FERTILIZACION... 150 N 17 P 17 K          |
| LATITUD..... 14 GR. 74' N  | PRECIPITACION..... 1048MM    | PROTECCION CONTRA: ENFERMEDADES.. NINGUNA |
| LONGITUD..... 86 GR. 78' W | DIAS LLUVIOSOS..... 64       | INSECTOS..... RUPELLA ALBINELLA           |
| ALTITUD (MSNM).... 9       |                              | NEZARA VIRIDULA                           |

SISTEMA DE CULTIVO: SECANO FAVORECIDO COMENTARIOS: SEQUIA AFECTA EL MACOLLAMIENTO

| I | VARIEDAD                     | LINEA RENDIMIENTO |          | DIAS A FLORACION | DIAS A MADURACION | ALTURA LOG [CM] | ENFERMEDADES Y OTROS PROBLEMAS |     |     |     | I   |    |     |
|---|------------------------------|-------------------|----------|------------------|-------------------|-----------------|--------------------------------|-----|-----|-----|-----|----|-----|
|   |                              | CODIGO            | (TON/HA) |                  |                   |                 | POSICION                       | BL  | SHB | NBL |     | BS | LSC |
| I | P2015F4-108-18-18            | 1                 | 2.46     | 13               | 102.33            | 134.33          | 65.00                          |     |     |     | 2   |    | I   |
| I | P2013F4-82-2-18              | 2                 | 2.25     | 21               | 97.00             | 125.00          | 73.67                          |     |     |     | 2   |    | I   |
| I | P2015F4-66-1-18              | 3                 | 2.55     | 12               | 94.00             | 120.33          | 76.67                          |     |     |     | 3   |    | I   |
| I | P2015F4-66-5-18              | 4                 | 2.26     | 20               | 91.67             | 122.00          | 78.67                          |     |     |     | 3   |    | I   |
| I | P2015F4-82-5-18              | 5                 | 2.85     | 8                | 89.00             | 119.67          | 75.33                          |     |     |     | 2   |    | I   |
| I | P2013F4-138-3-18             | 6                 | 2.33     | 16               | 96.33             | 124.33          | 72.67                          |     |     |     | 2   |    | I   |
| I | P2015F4-144-5-18             | 7                 | 1.95     | 26               | 100.67            | 134.67          | 78.33                          | 5   |     |     | 3   |    | I   |
| I | P2015F4-150-4-18             | 8                 | 2.36     | 14               | 100.67            | 134.33          | 78.67                          |     |     |     | 3   |    | I   |
| I | P2020F4-46-2-18              | 9                 | 3.44     | 2                | 99.00             | 132.67          | 73.67                          |     |     |     | 2   |    | I   |
| I | CICA 8 (TESTIGO)             | 10                | 3.21     | 5                | 100.67            | 135.00          | 74.00                          |     |     |     | 2   |    | I   |
| I | P2020F4-140-3-18             | 11                | 3.15     | 6                | 99.00             | 130.00          | 74.00                          |     |     |     | 2   |    | I   |
| I | P2020F4-149-1-18             | 12                | 4.04     | 1                | 99.00             | 132.00          | 66.33                          |     |     |     | 1   |    | I   |
| I | P2020F4-161-5-18             | 13                | 3.39     | 3                | 99.00             | 131.67          | 77.00                          |     |     |     | 2   |    | I   |
| I | P2030F4-226-18-18            | 14                | 2.76     | 10               | 108.00            | 135.33          | 72.33                          |     |     |     | 2   |    | I   |
| I | P2023F4-74-2-18              | 15                | 2.01     | 25               | 99.00             | 129.67          | 75.00                          |     |     |     | 3   |    | I   |
| I | P2025F4-159-3-18             | 16                | 3.08     | 7                | 99.00             | 135.00          | 75.00                          |     |     |     | 2   |    | I   |
| I | P2026F4-12-2-18              | 17                | 1.63     | 29               | 90.67             | 119.67          | 76.00                          |     |     |     | 3   |    | I   |
| I | P2030F4-217-4-18             | 18                | 2.84     | 9                | 102.33            | 134.33          | 71.33                          |     |     |     | 3   |    | I   |
| I | P2030F4-222-1-18             | 19                | 2.28     | 18               | 94.00             | 129.33          | 78.33                          |     |     |     | 3   |    | I   |
| I | IR 43 (TESTIGO)              | 20                | 2.03     | 23               | 92.33             | 119.67          | 74.67                          | 6   |     |     | 3   |    | I   |
| I | P2030F4-222-2-18             | 21                | 2.60     | 11               | 99.00             | 130.00          | 74.00                          |     |     |     | 3   |    | I   |
| I | P2030F4-243-4-18             | 22                | 2.08     | 22               | 93.00             | 119.67          | 76.50                          | 5   |     |     | 3   |    | I   |
| I | P2034F4-25-6-18              | 23                | 2.03     | 24               | 94.67             | 127.33          | 74.67                          | 4   |     |     | 2   |    | I   |
| I | P1697-15-1-4-1-18-18         | 24                | 1.26     | 30               | 96.67             | 120.00          | 70.33                          | 4   |     |     | 3   |    | I   |
| I | IR4422-98-3-6-1              | 25                | 2.35     | 15               | 100.67            | 130.67          | 85.33                          |     |     |     | 3   |    | I   |
| I | IP2153-276-1-10-PR509        | 26                | 1.91     | 27               | 90.33             | 119.67          | 58.33                          | 8   |     |     | 3   |    | I   |
| I | SPR7284-57-5                 | 27                | 1.09     | 28               | 94.67             | 124.00          | 81.33                          | 5   |     |     | 3   |    | I   |
| I | IR0853-118-5                 | 28                | 3.28     | 4                | 96.00             | 124.00          | 80.33                          |     |     |     | 2   |    | I   |
| I | IP14753-120-1                | 29                | 2.26     | 19               | 96.67             | 129.33          | 64.00                          | 8   |     |     | 3   |    | I   |
| I | CICA 4 (TESTIGO)             | 30                | 1.07     | 31               | 93.67             | 119.00          | 52.00                          | 9   |     |     | 2   |    | I   |
| I | TESTIGO LOCAL                | 31                | 2.29     | 17               | 107.00            | 134.33          | 60.33                          |     |     |     | 3   |    | I   |
| I | PROMEDIO GENERAL             |                   | 2.45     |                  | 97.39             | 127.65          | 73.03                          | 5.9 |     |     | 2.5 |    | I   |
| I | DESVIACION ESTANDAR          |                   | 0.67     |                  | 2.24              | 4.19            | 6.36                           |     |     |     |     |    | I   |
| I | COEFICIENTE DE VARIACION (%) |                   | 27.32    |                  | 2.30              | 3.29            | 8.69                           |     |     |     |     |    | I   |
| I | VALOR F PARA COMP. VARIETAL  |                   | 2.85     |                  | 11.75             | 6.07            | 3.29                           |     |     |     |     |    | I   |
| I | PROB. > F                    |                   | 0.0003   |                  | 0.0001            | 0.0001          | 0.0001                         |     |     |     |     |    | I   |
| I | D.M.S. (5%)                  |                   | 1.09     |                  | 3.65              | 6.85            | 10.40                          |     |     |     |     |    | I   |



COOPERADOR : SEZQUIEL ESPINOSA-ARILL JAEN

|                     |              |                     |         |                    |                         |
|---------------------|--------------|---------------------|---------|--------------------|-------------------------|
| PAIS.....           | PANAMA       | TEMPERATURA MIN.... | 23 GR.C | TEXTURA.....       | FRANCO-ARCILLOSO        |
| LOCALIDAD.....      | TOCUMEN      | MAX.....            | 39 GR.C | PH.....            | 6.5                     |
| EST. EXPERIMENTAL.. | CEIAT        | PRJM....            | 26 GR.C | FERTILIZACION...   | 80 N 17 P 17 K          |
| LATITUD.....        | 9 GR. 23' N  | PRECIPITACION.....  | 357MM   | PROTECCION CONTRA: | ENFERMEDADES.. NINGUNA  |
| LONGITUD.....       | 79 GR. 23' W | DIAS LLUVIOSOS..... | 79      |                    | INSECTOS..... NECESARIA |
| ALTITUD (MSNM)....  | 10           |                     |         |                    | INSECTOS..... CHINCHES  |

SISTEMA DE CULTIVO: SECANO FAVORECIDO COMENTARIOS:

| I | VARIEDAD                     | LINEA RENDIMIENTO |          | POSICION | DIAS A FLURACION | DIAS A MADURACION | ALTURA LOG (CM) | ENFERMEDADES Y OTROS PROBLEMAS |     |     |     |     |    | I |
|---|------------------------------|-------------------|----------|----------|------------------|-------------------|-----------------|--------------------------------|-----|-----|-----|-----|----|---|
|   |                              | CODIGO            | (TON/HA) |          |                  |                   |                 | BL                             | SHB | NBL | RS  | LSC | MB |   |
| I | P2015F4-108-18-18            | 1                 | 3.21     | 15       | 110.00           | 139.33            | 91.00           | 4                              | 6   | 4   | 5   | 3   | I  |   |
| I | P2015F4-82-2-18              | 2                 | 3.34     | 13       | 100.33           | 135.33            | 86.33           | 4                              | 5   | 5   | 4   | 4   | I  |   |
| I | P2015F4-66-1-18              | 3                 | 2.62     | 25       | 99.00            | 134.00            | 83.33           | 4                              | 4   | 6   | 5   | 4   | I  |   |
| I | P2015F4-66-5-18              | 4                 | 2.62     | 25       | 99.00            | 134.00            | 86.33           | 6                              | 3   | 6   | 4   | 6   | I  |   |
| I | P2015F4-82-5-18              | 5                 | 2.62     | 27       | 100.67           | 134.33            | 89.33           | 6                              | 4   | 6   | 4   | 6   | I  |   |
| I | P2015F4-138-J-18             | 6                 | 2.99     | 20       | 99.00            | 134.00            | 89.00           | 5                              | 4   | 6   | 6   | 4   | I  |   |
| I | P2015F4-148-5-18             | 7                 | 2.99     | 19       | 111.67           | 139.67            | 101.33          | 3                              | 2   | 4   | 4   | 1   | I  |   |
| I | P2015F4-150-4-18             | 8                 | 3.40     | 11       | 109.33           | 140.33            | 98.67           | 3                              | 4   | 4   | 3   | 3   | I  |   |
| I | P2020F4-45-2-18              | 9                 | 3.45     | 9        | 104.33           | 138.67            | 88.00           | 4                              | 5   | 6   | 6   | 3   | I  |   |
| I | CICA 8 (TESTIGO)             | 10                | 3.62     | 7        | 101.67           | 136.67            | 86.67           | 4                              | 5   | 5   | 3   | 5   | I  |   |
| I | P2020F4-140-3-18             | 11                | 3.19     | 16       | 103.00           | 137.67            | 85.33           | 4                              | 4   | 4   | 3   | 5   | I  |   |
| I | P2020F4-149-1-18             | 12                | 3.93     | 3        | 104.33           | 138.67            | 89.00           | 3                              | 4   | 5   | 4   | 4   | I  |   |
| I | P2020F4-161-8-18             | 13                | 3.76     | 6        | 104.33           | 138.67            | 87.67           | 4                              | 4   | 5   | 3   | 5   | I  |   |
| I | P2030F4-226-18-18            | 14                | 3.12     | 17       | 105.00           | 135.00            | 88.33           | 3                              | 3   | 4   | 4   |     | I  |   |
| I | P2023F4-74-2-18              | 15                | 3.42     | 10       | 105.00           | 137.67            | 96.33           | 3                              | 3   | 4   | 4   |     | I  |   |
| I | P2025F4-159-J-18             | 16                | 3.97     | 1        | 106.00           | 138.33            | 99.00           | 3                              | 2   | 4   | 3   | 1   | I  |   |
| I | P2026F4-12-2-18              | 17                | 3.11     | 18       | 100.33           | 134.33            | 96.00           | 5                              | 5   | 7   | 6   | 5   | I  |   |
| I | P2030F4-217-4-18             | 18                | 3.96     | 2        | 113.00           | 140.67            | 92.67           | 3                              | 2   | 4   | 3   | 3   | I  |   |
| I | P2030F4-222-1-18             | 19                | 3.29     | 14       | 106.33           | 138.00            | 90.00           | 4                              | 4   | 6   | 4   | 4   | I  |   |
| I | IR 43 (TESTIGO)              | 20                | 2.72     | 23       | 100.33           | 134.00            | 86.67           | 4                              | 4   | 6   | 4   | 5   | I  |   |
| I | P2030F4-222-2-18             | 21                | 3.56     | 8        | 110.00           | 139.33            | 90.67           | 4                              | 4   | 6   | 4   | 6   | I  |   |
| I | P2030F4-243-4-18             | 22                | 2.66     | 24       | 103.00           | 137.67            | 84.33           | 4                              | 4   | 6   | 4   | 5   | I  |   |
| I | P2034F4-25-6-13              | 23                | 2.42     | 28       | 101.33           | 136.33            | 90.33           | 4                              | 6   | 6   | 6   | 5   | I  |   |
| I | PI-97-15-1-4-1-18-18         | 24                | 1.87     | 30       | 106.67           | 137.67            | 89.67           | 4                              | 3   | 6   | 6   | 4   | I  |   |
| I | IR4422-98-3-6-1              | 25                | 3.89     | 5        | 108.00           | 139.33            | 101.67          | 3                              | 3   | 3   | 3   |     | I  |   |
| I | IR2153-275-1-10-PR509        | 26                | 2.95     | 21       | 101.67           | 136.33            | 83.67           | 5                              | 5   | 7   | 4   | 4   | I  |   |
| I | SPR7284-57-5                 | 27                | 2.89     | 22       | 104.33           | 138.67            | 99.33           | 4                              | 4   | 4   | 3   | 4   | I  |   |
| I | IR5853-118-5                 | 28                | 3.40     | 12       | 98.00            | 132.00            | 93.33           | 5                              | 4   | 7   | 5   | 3   | I  |   |
| I | IR14753-120-3                | 29                | 3.49     | 4        | 106.67           | 137.67            | 102.33          | 4                              | 4   | 4   | 3   |     | I  |   |
| I | CICA 4 (TESTIGO)             | 30                | 1.07     | 31       | 99.00            | 133.00            | 81.67           | 4                              | 4   | 5   | 6   | 3   | I  |   |
| I | TOC.5430 (T.LOCAL)           | 31                | 2.39     | 29       | 106.33           | 138.00            | 91.33           | 5                              | 5   | 7   | 4   | 7   | I  |   |
| I | PROMEDIO GENERAL             |                   | 3.11     |          | 104.18           | 136.95            | 90.95           | 4.0                            | 3.9 | 5.2 | 4.1 | 4.2 | I  |   |
| I | DESVIACION ESTANDAR          |                   | 0.47     |          | 4.43             | 4.12              | 3.88            |                                |     |     |     |     | I  |   |
| I | COEFICIENTE DE VARIACION (%) |                   | 13.60    |          | 4.25             | 3.01              | 4.27            |                                |     |     |     |     | I  |   |
| I | VALOR F PARA COMP. VARIETAL  |                   | 7.05     |          | 2.58             | 0.97              | 6.64            |                                |     |     |     |     | I  |   |
| I | PROB. > F                    |                   | 0.0001   |          | 0.0009           | 0.5289            | 0.0001          |                                |     |     |     |     | I  |   |
| I | D.M.S. (5%)                  |                   | 0.69     |          | 7.24             | 6.73              | 6.34            |                                |     |     |     |     | I  |   |

\* MO: MANCHA OJIVAL (DRECHSLERA GIGANTEA)

CUADRO NO. 2.23 VIRAL-T, 1982. VARIETADES TEMPRANAS  
SEXTO VIVERO INTERNACIONAL DE RENDIMIENTO DE ARROZ PARA AMERICA LATINA  
PRUEBA NO. 23

COOPERADOR: DELIA MARIA JIMENEZ

```

=====
PAIS..... PANAMA
LOCALIDAD..... ALANJE
EST. EXPERIMENTAL.. CAMPO EXP. ALANJE
LATITUD..... GR.
LONGITUD..... GR.
ALTITUD. (MSNM).....

TEMPERATURA MIN.... GR.C
MAX..... GR.C
PROM.... GR.C
PRECIPITACION..... MM
DIAS LLUVIOSOS.....

TEXTURA..... FRANCO ARENOSO
PH..... 5.6
FERTILIZACION... 90 N 17 P 21 K

PROTECCION CONTRA: ENFERMEDADES.. NINGUNA
INSECTOS..... NINGUNA
INSECTOS..... SOGATODES ORYZICOLA
=====

```

SISTEMA DE CULTIVO: SECANO FAVORECIDO COMENTARIOS: DEFICIENCIA DE MICRONUTRIENTES

| I | VARIEDAD                     | LINEA CODIGO | RENDIMIENTO (TON/HA) | POSICION | DIAS A FLORACION | DIAS A MADURACION | ALTURA LOG (CM) | ENFERMEDADES Y OTROS PROBLEMAS |     |     |     |     |    |  |  |
|---|------------------------------|--------------|----------------------|----------|------------------|-------------------|-----------------|--------------------------------|-----|-----|-----|-----|----|--|--|
|   |                              |              |                      |          |                  |                   |                 | BL                             | SHB | NBL | CS  | LSC | HB |  |  |
| I | P2015F4-108-1B-1B            | 1            | 3.06                 | 19       | 90.00            | 130.00            | 81.33           | 3                              | 3   | 5   | 4   |     |    |  |  |
| I | P2013F4-82-2-1B              | 2            | 3.87                 | 3        | 85.00            | 125.00            | 88.33           | 3                              | 3   | 6   | 6   |     |    |  |  |
| I | P2015F4-66-1-1B              | 3            | 3.29                 | 14       | 83.00            | 118.00            | 82.67           | 4                              | 3   | 7   | 7   |     |    |  |  |
| I | P2015F4-66-5-1B              | 4            | 3.32                 | 12       | 85.00            | 125.00            | 84.33           | 3                              | 3   | 6   | 6   |     |    |  |  |
| I | P2015F4-87-5-1B              | 5            | 3.07                 | 18       | 80.00            | 124.67            | 86.67           | 4                              | 4   | 7   | 8   |     |    |  |  |
| I | P2015F4-138-3-1B             | 6            | 3.61                 | 6        | 85.00            | 125.00            | 85.67           | 3                              | 3   | 6   | 7   |     |    |  |  |
| I | P2015F4-148-5-1B             | 7            | 3.43                 | 10       | 88.00            | 125.00            | 98.00           | 2                              | 4   | 4   | 5   |     |    |  |  |
| I | P2015F4-150-4-1B             | 8            | 2.45                 | 27       | 83.00            | 125.00            | 92.33           | 2                              | 4   | 4   | 4   |     |    |  |  |
| I | P2020F4-46-2-1B              | 9            | 3.46                 | 9        | 85.00            | 120.00            | 84.67           | 3                              | 4   | 5   | 6   |     |    |  |  |
| I | CICA 8 (TESTIGO)             | 10           | 3.03                 | 20       | 85.00            | 125.00            | 73.33           | 3                              | 4   | 5   | 6   |     |    |  |  |
| I | P2020F4-140-3-1B             | 11           | 3.21                 | 16       | 85.00            | 125.00            | 82.33           | 3                              | 3   | 5   | 6   |     |    |  |  |
| I | P2020F4-149-1-1B             | 12           | 2.77                 | 24       | 97.00            | 130.00            | 79.50           | 3                              | 4   | 5   | 6   |     |    |  |  |
| I | P2020F4-161-5-1B             | 13           | 3.55                 | 7        | 85.00            | 125.00            | 84.67           | 3                              | 4   | 5   | 6   |     |    |  |  |
| I | P2030F4-226-1B-1B            | 14           | 3.62                 | 5        | 97.00            | 130.00            | 78.00           | 4                              | 3   | 5   | 6   |     |    |  |  |
| I | P2023F4-74-2-1B              | 15           | 3.33                 | 11       | 89.00            | 125.00            | 89.00           | 4                              | 4   | 6   | 5   |     |    |  |  |
| I | P2025F4-139-J-1B             | 16           | 4.44                 | 1        | 88.00            | 125.00            | 91.33           | 2                              | 3   | 4   | 5   |     |    |  |  |
| I | P2026F4-12-2-1B              | 17           | 2.96                 | 22       | 87.00            | 125.00            | 89.33           | 4                              | 4   | 7   | 7   |     |    |  |  |
| I | P2030F4-217-4-1B             | 18           | 4.26                 | 2        | 97.00            | 130.00            | 83.33           | 3                              | 3   | 5   | 4   |     |    |  |  |
| I | P2030F4-222-1-1B             | 19           | 3.11                 | 17       | 85.00            | 130.00            | 77.33           | 3                              | 3   | 5   | 6   |     |    |  |  |
| I | IR 43 (TESTIGO)              | 20           | 3.53                 | 8        | 87.00            | 118.00            | 85.33           | 3                              | 4   | 6   | 6   |     |    |  |  |
| I | P2030F4-222-2-1B             | 21           | 2.75                 | 25       | 97.00            | 130.00            | 78.33           | 4                              | 4   | 7   | 6   |     |    |  |  |
| I | P2030F4-243-4-1B             | 22           | 2.33                 | 26       | 85.00            | 117.33            | 75.33           | 3                              | 4   | 6   | 6   |     |    |  |  |
| I | P2034F4-25-6-1B              | 23           | 3.01                 | 21       | 83.00            | 116.67            | 92.67           | 3                              | 4   | 6   | 7   |     |    |  |  |
| I | P1397-15-1-4-1-1B-1B         | 24           | 1.85                 | 30       | 85.00            | 114.67            | 88.00           | 4                              | 5   | 7   | 7   |     |    |  |  |
| I | IR4422-98-3-6-1              | 25           | 3.74                 | 4        | 97.00            | 130.00            | 98.00           | 3                              | 3   | 4   | 5   |     |    |  |  |
| I | IR2153-276-1-10-PR509        | 26           | 2.79                 | 23       | 87.00            | 118.00            | 80.67           | 5                              | 4   | 7   | 7   |     |    |  |  |
| I | SPR7284-57-5                 | 27           | 2.54                 | 26       | 85.00            | 120.00            | 82.67           | 4                              | 4   | 6   | 6   |     |    |  |  |
| I | IR5353-118-5                 | 28           | 3.32                 | 13       | 87.00            | 120.00            | 90.00           | 3                              | 4   | 6   | 7   |     |    |  |  |
| I | IR14753-120-3                | 29           | 2.16                 | 29       | 84.00            | 126.33            | 85.67           | 4                              | 4   | 6   | 7   |     |    |  |  |
| I | CICA 4 (TESTIGO)             | 30           | 1.56                 | 31       | 87.00            | 114.67            | 76.33           | 3                              | 6   | 6   | 6   |     |    |  |  |
| I | LINEA 13 (T-LOCAL) *         | 31           | 3.26                 | 15       | 83.00            | 120.00            | 76.00           | 3                              | 3   | 5   | 5   |     |    |  |  |
| I | PROMEDIO GENERAL             |              | 3.12                 |          | 87.42            | 123.66            | 84.52           | 3.3                            | 3.8 | 5.6 | 5.9 |     |    |  |  |
| I | DESVIACION ESTANDAR          |              | 0.62                 |          |                  | 3.32              | 5.92            |                                |     |     |     |     |    |  |  |
| I | COEFICIENTE DE VARIACION (X) |              | 19.71                |          |                  | 2.69              | 7.00            |                                |     |     |     |     |    |  |  |
| I | VALOR F PARA COMP. VARIETAL  |              | 3.17                 |          |                  | 6.32              | 3.35            |                                |     |     |     |     |    |  |  |
| I | PROB. > F                    |              | 0.0001               |          |                  | 0.0001            | 0.0001          |                                |     |     |     |     |    |  |  |
| I | D.M.S. (5X)                  |              | 1.01                 |          |                  | 5.42              | 9.67            |                                |     |     |     |     |    |  |  |

\* LINEA 13: IR2588-19-1-2-2

COOPERADOR : ROLANDO LASSO GUEVARA

|                     |                |                     |         |                                   |                  |
|---------------------|----------------|---------------------|---------|-----------------------------------|------------------|
| PAIS.....           | PANAMA         | TEMPERATURA MIN.... | 25 GR.C | TEXTURA.....                      | FRANCO-ARCILLOSO |
| LOCALIDAD.....      | CHEPO          | MAX.....            | 30 GR.C | PH.....                           | 5.5              |
| EST. EXPERIMENTAL.. | CHICHEBRE F-32 | PROM....            | 27 GR.C | FERTILIZACION...                  | 99 N P K         |
| LATITUD.....        | 9 GR. 8' N     | PRECIPITACION.....  | 1026MM  | PROTECCION CONTRA: ENFERMEDADES.. | NINGUNA          |
| LONGITUD.....       | 79 GR. 3' W    | DIAS LLUVIOSOS..... | 90      | (INSECTOS.....)                   | NINGUNA          |
| ALTITUD (MSNH)....  | 3              |                     |         | INSECTOS.....                     |                  |

SISTEMA DE CULTIVO: SECANO FAVORECIDO COMENTARIOS:

| I | VARIEDAD                     | LINEA CODIGO | RENDIMIENTO (TON/HA) | POSICION | DIAS A FLORACION | DIAS A MADURACION | ALTURA LG (CM) | ENFERMEDADES Y OTROS PROBLEMAS |     |     |     |     |    |  |  |
|---|------------------------------|--------------|----------------------|----------|------------------|-------------------|----------------|--------------------------------|-----|-----|-----|-----|----|--|--|
|   |                              |              |                      |          |                  |                   |                | BL                             | SH  | NBL | BS  | LSC | HE |  |  |
| I | P2015F4-108-10-1B            | 1            | 4.71                 | 4        | 116.33           |                   | 73.67          |                                |     | 2   |     |     |    |  |  |
| I | P2013F4-82-7-1B              | 2            | 3.91                 | 20       | 108.00           |                   | 82.00          |                                |     | 3   | 1   |     |    |  |  |
| I | P2015F4-66-1-1B              | 3            | 3.81                 | 21       | 99.67            |                   | 80.00          |                                |     | 5   | 1   |     |    |  |  |
| I | P2015F4-66-5-1B              | 4            | 4.01                 | 16       | 102.33           |                   | 78.67          | 5                              |     | 4   | 1   |     |    |  |  |
| I | P2015F4-82-5-1B              | 5            | 2.89                 | 31       | 100.67           |                   | 77.00          |                                |     | 6   | 5   |     |    |  |  |
| I | P2015F4-138-3-1B             | 6            | 3.29                 | 28       | 103.00           |                   | 77.00          | 7                              |     | 4   |     |     |    |  |  |
| I | P2015F4-148-5-1B             | 7            | 3.41                 | 26       | 111.00           |                   | 89.33          |                                |     | 2   | 2   |     |    |  |  |
| I | P2015F4-150-4-1B             | 8            | 3.18                 | 30       | 112.67           |                   | 87.00          | 5                              |     | 4   | 1   |     |    |  |  |
| I | P2020F4-46-2-1B              | 9            | 3.93                 | 19       | 108.00           |                   | 79.33          |                                | 4   | 3   |     |     |    |  |  |
| I | CICA 8 (TESTIGO)             | 10           | 4.24                 | 10       | 111.00           |                   | 75.00          |                                |     | 3   |     |     |    |  |  |
| I | P2020F4-140-3-1B             | 11           | 4.19                 | 12       | 111.67           |                   | 79.67          |                                |     | 4   | 1   |     |    |  |  |
| I | P2020F4-149-1-1B             | 12           | 3.75                 | 23       | 107.67           |                   | 82.67          | 3                              |     | 3   |     |     |    |  |  |
| I | P2020F4-161-5-1B             | 13           | 4.97                 | 1        | 110.33           |                   | 82.33          |                                | 3   | 2   |     |     |    |  |  |
| I | P2030F4-226-1A-1B            | 14           | 3.98                 | 17       | 124.00           |                   | 79.67          |                                |     | 0   |     |     |    |  |  |
| I | P2023F4-74-2-1B              | 15           | 3.96                 | 18       | 111.67           |                   | 80.00          |                                |     | 2   |     |     |    |  |  |
| I | P2025F4-159-3-1B             | 16           | 4.63                 | 6        | 113.00           |                   | 84.00          |                                |     | 1   | 1   |     |    |  |  |
| I | P2026F4-12-2-1B              | 17           | 3.62                 | 24       | 104.33           |                   | 89.33          |                                | 2   | 3   | 1   |     |    |  |  |
| I | P2030F4-217-4-1B             | 18           | 3.52                 | 25       | 121.33           |                   | 74.33          |                                | 4   | 1   | 1   |     |    |  |  |
| I | P2030F4-222-1-1B             | 19           | 4.19                 | 11       | 115.33           |                   | 79.00          |                                | 4   | 2   |     |     |    |  |  |
| I | IR 43 (TESTIGO)              | 20           | 4.01                 | 16       | 102.00           |                   | 77.00          |                                | 4   | 4   | 1   |     |    |  |  |
| I | P2030F4-222-2-1B             | 21           | 3.85                 | 22       | 115.00           |                   | 82.67          |                                |     | 2   |     |     |    |  |  |
| I | P2030F4-243-4-1B             | 22           | 4.17                 | 14       | 105.00           |                   | 83.00          |                                | 5   | 3   | 2   |     |    |  |  |
| I | P2034F4-25-6-1B              | 23           | 4.61                 | 7        | 104.33           |                   | 86.67          |                                | 4   | 2   | 2   |     |    |  |  |
| I | P1897-15-1-4-1-10-1B         | 24           | 3.23                 | 29       | 105.67           |                   | 80.00          |                                |     | 4   | 1   |     |    |  |  |
| I | IR4422-95-3-6-1              | 25           | 4.92                 | 2        | 114.00           |                   | 100.33         |                                | 4   | 0   |     |     |    |  |  |
| I | IR2153-276-1-10-PR509        | 26           | 4.32                 | 9        | 101.00           |                   | 77.67          |                                |     | 5   | 1   |     |    |  |  |
| I | SPR7264-97-5                 | 27           | 4.37                 | 8        | 106.33           |                   | 92.67          |                                | 4   | 3   | 1   |     |    |  |  |
| I | IR5853-118-5                 | 28           | 3.31                 | 27       | 106.00           |                   | 83.00          |                                |     | 3   |     |     |    |  |  |
| I | IR14753-120-3                | 29           | 4.82                 | 3        | 109.33           |                   | 94.33          |                                | 4   | 3   | 3   |     |    |  |  |
| I | CICA 4 (TESTIGO)             | 30           | 4.17                 | 14       | 104.33           |                   | 77.33          |                                | 4   | 2   | 5   |     |    |  |  |
| I | TESTIGO LOCAL                | 31           | 4.63                 | 6        | 112.67           |                   | 88.67          |                                |     | 1   | 1   |     |    |  |  |
| I | PROMEDIO GENERAL             |              | 4.02                 |          | 108.96           |                   | 82.37          | 5.0                            | 3.7 | 2.8 | 1.7 |     |    |  |  |
| I | DESVIACION ESTANDAR          |              | 0.66                 |          | 2.96             |                   | 4.26           |                                |     |     |     |     |    |  |  |
| I | COEFICIENTE DE VARIACION (X) |              | 16.48                |          | 2.72             |                   | 5.17           |                                |     |     |     |     |    |  |  |
| I | VALOR F PARA COMP. VARIETAL  |              | 2.03                 |          | 12.07            |                   | 6.32           |                                |     |     |     |     |    |  |  |
| I | VALOR > F                    |              | 0.0100               |          | 0.0001           |                   | 0.0001         |                                |     |     |     |     |    |  |  |
| I | D.M.S. (5X)                  |              | 1.00                 |          | 4.84             |                   | 6.95           |                                |     |     |     |     |    |  |  |

CUADRO NO. 2.25 VIVAL-T, 1982. VARIETADES TEMPRANAS  
 SEXTO VIVERO INTERNACIONAL DE RENDIMIENTO DE ARRUZ PARA AMERICA LATINA  
 PRUEBA NO. 25

COOPERADOR : SAMUEL LEZCANO-EZEQUIEL SPINOSA

|                     |              |                      |         |                    |                        |
|---------------------|--------------|----------------------|---------|--------------------|------------------------|
| PAIS.....           | PANAMA       | TEMPERATURA MIN..... | 22 GR.C | TEXTURA.....       | FRANCO-ARCILLOSO       |
| LOCALIDAD.....      | DAVID        | MAX.....             | 31 GR.C | PH.....            | 6.5                    |
| EST. EXPERIMENTAL.. | CETACHI      | PROM.....            | 27 GR.C | FERTILIZACION...   | 100 N 22 P 21 K        |
| LATITUD.....        | 3 GR. 20' N  | PRECIPITACION.....   | 1326MM  | PROTECCION CONTRA: | ENFERMEDADES.. NINGUNA |
| LONGITUD.....       | 82 GR. 20' W | DIAS LLUVIOSOS.....  | 93      |                    | INSECTOS..... NINGUNA  |
| ALTITUD (MSNM)....  | 15           |                      |         |                    |                        |

SISTEMA DE CULTIVO: SECANO FAVORECIDO COMENTARIOS:

| I | VARIEDAD                     | LINEA CODIGO | RENDIMIENTO (TON/HA) | POSICION | DIAS A FLORACION | DIAS A MADURACION | ALTURA (CM) | ENFERMEDADES Y OTROS PROBLEMAS |     |     |     |     |    | I |  |   |
|---|------------------------------|--------------|----------------------|----------|------------------|-------------------|-------------|--------------------------------|-----|-----|-----|-----|----|---|--|---|
|   |                              |              |                      |          |                  |                   |             | BL                             | SHB | NBL | BS  | LSC | MS |   |  |   |
| I | P2015F4-108-18-1B            | 1            | 6.35                 | 6        | 95.67            | 128.67            | 90.33       | 3                              | 2   | 2   | 1   |     |    |   |  | I |
| I | P2013F4-02-2-1B              | 2            | 6.42                 | 5        | 94.00            | 127.67            | 86.67       | 4                              | 3   | 1   | 2   |     |    |   |  | I |
| I | P2015F4-66-1-1B              | 3            | 5.98                 | 10       | 87.67            | 118.00            | 87.33       | 3                              | 2   | 2   | 2   |     |    |   |  | I |
| I | P2015F4-66-5-1B              | 4            | 6.34                 | 7        | 87.33            | 119.33            | 88.33       | 2                              | 3   | 1   | 2   |     |    |   |  | I |
| I | P2015F4-82-5-1B              | 5            | 7.38                 | 1        | 83.00            | 111.00            | 89.00       | 6                              | 3   | 2   | 1   |     |    |   |  | I |
| I | P2015F4-138-3-1B             | 6            | 5.55                 | 24       | 90.67            | 120.67            | 90.33       | 0                              | 2   | 2   | 2   |     |    |   |  | I |
| I | P2015F4-148-5-1B             | 7            | 5.79                 | 21       | 94.00            | 125.00            | 103.33      | 3                              | 3   | 4   | 2   |     |    |   |  | I |
| I | P2015F4-150-4-1B             | 8            | 5.86                 | 17       | 95.00            | 124.00            | 105.33      | 4                              | 3   | 5   | 1   |     |    |   |  | I |
| I | P2020F4-45-2-10              | 9            | 5.64                 | 23       | 88.33            | 119.67            | 87.00       | 1                              | 4   | 2   | 2   |     |    |   |  | I |
| I | CICA 8 (TESTIGO)             | 10           | 6.17                 | 10       | 87.67            | 120.67            | 81.67       | 4                              | 4   | 1   | 1   |     |    |   |  | I |
| I | P2020F4-140-3-1B             | 11           | 5.80                 | 20       | 89.33            | 120.67            | 85.33       | 2                              | 4   | 2   | 1   |     |    |   |  | I |
| I | P2020F4-149-1-1B             | 12           | 5.81                 | 19       | 84.33            | 120.67            | 87.00       | 6                              | 4   | 3   | 1   |     |    |   |  | I |
| I | P2020F4-161-5-1B             | 13           | 6.17                 | 9        | 89.67            | 121.67            | 92.00       | 7                              | 4   | 2   | 1   |     |    |   |  | I |
| I | P2030F4-226-1B-1B            | 14           | 5.37                 | 25       | 101.33           | 138.67            | 89.33       | 0                              | 4   | 1   | 3   |     |    |   |  | I |
| I | P2023F4-74-2-1B              | 15           | 6.77                 | 3        | 94.00            | 124.00            | 91.33       | 0                              | 3   | 1   | 2   |     |    |   |  | I |
| I | P2025F4-159-3-1B             | 16           | 6.53                 | 4        | 96.33            | 126.00            | 100.00      | 0                              | 2   | 2   | 2   |     |    |   |  | I |
| I | P2026F4-12-2-1B              | 17           | 6.12                 | 11       | 88.33            | 124.00            | 106.00      | 2                              | 3   | 1   | 3   |     |    |   |  | I |
| I | P2030F4-217-4-1B             | 18           | 6.02                 | 14       | 105.00           | 134.33            | 94.00       | 0                              | 3   | 2   | 1   |     |    |   |  | I |
| I | P2030F4-222-1-1B             | 19           | 6.08                 | 13       | 94.67            | 125.67            | 93.33       | 0                              | 3   | 1   | 3   |     |    |   |  | I |
| I | IR 43 (TESTIGO)              | 20           | 6.34                 | 8        | 87.33            | 121.67            | 90.67       | 6                              | 3   | 3   | 2   |     |    |   |  | I |
| I | P2030F4-222-2-1B             | 21           | 6.09                 | 12       | 96.67            | 125.33            | 94.67       | 0                              | 3   | 2   | 5   |     |    |   |  | I |
| I | P2030F4-243-4-1B             | 22           | 4.42                 | 30       | 89.00            | 119.67            | 80.67       | 0                              | 6   | 4   | 2   |     |    |   |  | I |
| I | P2034F4-25-6-1H              | 23           | 5.22                 | 24       | 87.33            | 121.00            | 94.33       | 3                              | 5   | 3   | 2   |     |    |   |  | I |
| I | PI397-15-1-4-1-1B-1B         | 24           | 4.42                 | 29       | 94.00            | 123.67            | 91.67       | 1                              | 4   | 4   | 1   |     |    |   |  | I |
| I | IR4422-98-3-6-1              | 25           | 5.94                 | 16       | 99.67            | 130.00            | 111.00      | 9                              | 3   | 1   | 2   |     |    |   |  | I |
| I | IR2153-276-1-10-PR509        | 26           | 5.23                 | 27       | 80.00            | 119.67            | 81.00       | 2                              | 5   | 2   | 1   |     |    |   |  | I |
| I | SPR7284-57-5                 | 27           | 5.36                 | 26       | 90.00            | 121.00            | 90.33       | 0                              | 5   | 2   | 1   |     |    |   |  | I |
| I | IR5853-118-5                 | 28           | 5.84                 | 18       | 91.33            | 124.00            | 100.33      | 5                              | 2   | 1   | 2   |     |    |   |  | I |
| I | IR14753-120-3                | 29           | 6.90                 | 2        | 94.33            | 126.00            | 109.33      | 7                              | 1   | 1   | 2   |     |    |   |  | I |
| I | CICA 4 (TESTIGO)             | 30           | 3.34                 | 31       | 93.00            | 122.00            | 84.00       | 0                              | 9   | 2   | 1   |     |    |   |  | I |
| I | CICA7 (T. LOCAL)             | 31           | 5.70                 | 22       | 87.33            | 116.00            | 96.67       | 0                              | 3   | 2   | 2   |     |    |   |  | I |
| I | PROMEDIO GENERAL             |              | 5.64                 |          | 91.55            | 123.30            | 92.66       | 2.6                            | 3.5 | 2.0 | 1.8 |     |    |   |  | I |
| I | DESVIACION ESTANDAR          |              | 0.40                 |          | 1.89             | 1.95              | 5.24        |                                |     |     |     |     |    |   |  | I |
| I | COEFICIENTE DE VARIACION (%) |              | 6.85                 |          | 2.06             | 1.59              | 5.65        |                                |     |     |     |     |    |   |  | I |
| I | VALOR F PARA COMP. VARIETAL  |              | 11.22                |          | 19.70            | 20.63             | 7.04        |                                |     |     |     |     |    |   |  | I |
| I | PROB. > F                    |              | 0.0001               |          | 0.0001           | 0.0001            | 0.0001      |                                |     |     |     |     |    |   |  | I |
| I | D.M.S. (5%)                  |              | 0.65                 |          | 3.09             | 3.19              | 8.55        |                                |     |     |     |     |    |   |  | I |



COOPERADOR : CLAUDIO FERNANDEZ-EZEQUIEL ESPINOSA

|                    |                   |                      |       |                    |                         |
|--------------------|-------------------|----------------------|-------|--------------------|-------------------------|
| PAIS.....          | PANAMA            | TEMPERATURA MIN..... | GR.C  | TEXTURA.....       | FRANCO ARENOSO          |
| LOCALIDAD.....     | RIO HATU          | MAX.....             | GR.C  | PH.....            | 6.2                     |
| EST.EXPERIMENTAL.. | C.EXP.DE RIO HATO | PROM.....            | GR.C  | FERTILIZACION...   | 100 N 26 P 25 K         |
| LATITUD.....       | 8 GR. 25' N       | PRECIPITACION.....   | 399MM |                    |                         |
| LONGITUD.....      | 80 GR. 15' W      | DIAS LLUVIOSOS.....  | 35    | PROTECCION CONTRA: | ENFERMEDADES.. NINGUNA  |
| ALTITUD (MSNM).... | 10                |                      |       |                    | INSECTOS..... NECESARIA |
|                    |                   |                      |       |                    | CHINCHES                |

SISTEMA DE CULTIVO: SECANO FAVORECIDO COMENTARIOS:

| I | VARIEDAD                     | LINEA RENDIMIENTO |          | DIAS A FLORACION | DIAS A MADURACION | ALTURA LOG (CM) | ENFERMEDADES Y OTROS PROBLEMAS |     |     |     |    | I   |     |    |
|---|------------------------------|-------------------|----------|------------------|-------------------|-----------------|--------------------------------|-----|-----|-----|----|-----|-----|----|
|   |                              | CODIGO            | (TON/HA) |                  |                   |                 | POSICION                       | BL  | SHB | NBL | BS |     | LSC | HB |
| I | P2015F4-108-18-18            | 1                 | 4.88     | 18               | 109.00            | 139.00          | 88.67                          | 2   | 2   |     |    | 5   | I   |    |
| I | P2013F4-82-2-18              | 2                 | 4.91     | 15               | 104.67            | 139.00          | 89.67                          | 1   | 2   | 3   |    | 5   | I   |    |
| I | P2015F4-66-1-18              | 3                 | 6.11     | 3                | 97.33             | 126.67          | 84.33                          | 0   | 2   |     |    | 4   | I   |    |
| I | P2015F4-66-5-18              | 4                 | 5.59     | 8                | 101.33            | 130.33          | 84.33                          | 0   | 2   |     |    | 5   | I   |    |
| I | P2015F4-82-5-10              | 5                 | 4.82     | 19               | 100.33            | 128.67          | 80.33                          | 0   | 3   |     |    | 5   | I   |    |
| I | P2015F4-138-3-18             | 6                 | 4.72     | 23               | 102.00            | 132.33          | 77.00                          | 0   | 2   |     |    | 5   | I   |    |
| I | P2015F4-148-5-18             | 7                 | 4.84     | 28               | 112.00            | 141.33          | 80.00                          | 0   | 2   |     |    | 5   | I   |    |
| I | P2015F4-150-4-18             | 8                 | 4.19     | 27               | 112.00            | 141.67          | 86.33                          | 0   | 2   |     |    | 4   | I   |    |
| I | P2020F4-46-2-10              | 9                 | 5.25     | 12               | 106.67            | 136.67          | 79.33                          | 1   | 3   |     |    | 5   | I   |    |
| I | CICA 8 (TESTIGO)             | 10                | 5.74     | 7                | 105.67            | 136.00          | 80.67                          | 3   | 2   |     |    | 5   | I   |    |
| I | P2020F4-140-3-18             | 11                | 4.88     | 17               | 106.33            | 136.33          | 80.67                          | 3   | 3   |     |    | 5   | I   |    |
| I | P2020F4-149-1-18             | 12                | 5.07     | 13               | 109.33            | 139.33          | 81.00                          | 1   | 3   |     |    | 5   | I   |    |
| I | P2020F4-161-5-18             | 13                | 5.56     | 9                | 107.67            | 137.33          | 79.33                          | 1   | 3   | 3   |    | 5   | I   |    |
| I | P2030F4-220-18-18            | 14                | 3.18     | 30               | 119.00            | 147.00          | 83.00                          | 0   | 2   | 3   |    | 5   | I   |    |
| I | P2023F4-74-2-18              | 15                | 4.89     | 16               | 111.00            | 141.00          | 83.67                          | 0   | 2   |     |    | 5   | I   |    |
| I | P2025F4-159-3-18             | 16                | 6.13     | 2                | 109.00            | 139.67          | 85.00                          | 0   | 2   |     |    | 4   | I   |    |
| I | P2026F4-12-2-18              | 17                | 5.85     | 5                | 101.00            | 130.67          | 91.33                          | 0   | 3   |     | 3  | 5   | I   |    |
| I | P2030F4-217-4-18             | 18                | 4.75     | 22               | 115.00            | 144.67          | 83.67                          | 0   | 3   |     |    | 5   | I   |    |
| I | P2030F4-222-1-18             | 19                | 4.81     | 20               | 111.00            | 140.67          | 88.00                          | 0   | 3   |     |    | 6   | I   |    |
| I | IR 43 (TESTIGO)              | 20                | 5.85     | 6                | 104.67            | 135.00          | 79.33                          | 0   | 3   |     | 3  | 5   | I   |    |
| I | P2030F4-222-2-18             | 21                | 3.69     | 29               | 114.00            | 143.67          | 84.33                          | 0   | 3   |     |    | 5   | I   |    |
| I | P2030F4-243-4-18             | 22                | 5.99     | 4                | 104.67            | 134.67          | 84.33                          | 0   | 3   |     |    | 5   | I   |    |
| I | P2034F4-25-6-18              | 23                | 4.91     | 14               | 105.00            | 135.00          | 85.00                          | 0   | 4   |     |    | 5   | I   |    |
| I | PI897-15-1-4-1-18-18         | 24                | 2.89     | 31               | 112.57            | 142.33          | 80.67                          | 0   | 4   |     | 3  | 5   | I   |    |
| I | IR4422-98-3-6-1              | 25                | 5.51     | 10               | 113.00            | 143.33          | 91.67                          | 0   | 3   |     |    | 6   | I   |    |
| I | IR2153-276-1-10-PR509        | 26                | 6.61     | 1                | 105.67            | 135.67          | 79.33                          | 0   | 4   |     | 5  | 5   | I   |    |
| I | SPR7284-57-5                 | 27                | 4.75     | 21               | 110.67            | 140.67          | 87.00                          | 0   | 3   |     |    | 6   | I   |    |
| I | IR5853-118-5                 | 28                | 5.26     | 11               | 105.33            | 135.33          | 82.00                          | 0   | 2   |     |    | 5   | I   |    |
| I | IR14753-120-3                | 29                | 4.43     | 25               | 110.33            | 140.00          | 87.00                          | 0   | 2   |     |    | 5   | I   |    |
| I | CICA 4 (TESTIGO)             | 30                | 4.36     | 26               | 104.00            | 134.00          | 77.67                          | 0   | 4   |     |    | 5   | I   |    |
| I | YOC.5430 (T.LOCAL)           | 31                | 4.60     | 24               | 106.67            | 136.67          | 83.00                          | 0   | 3   |     |    | 6   | I   |    |
| I | PRUMEDIO GENERAL             |                   | 4.98     |                  | 107.74            | 137.54          | 83.47                          | 0.4 | 2.7 | 3.0 |    | 3.5 | 5.0 | I  |
| I | DESVIACION ESTANDAR          |                   | 1.13     |                  | 2.98              | 2.94            | 6.53                           |     |     |     |    |     |     | I  |
| I | COEFICIENTE DE VARIACION (%) |                   | 22.78    |                  | 2.76              | 2.14            | 7.83                           |     |     |     |    |     |     | I  |
| I | VALOR F PARA COMP. VARIETAL  |                   | 1.66     |                  | 7.97              | 7.57            | 1.06                           |     |     |     |    |     |     | I  |
| I | PROB. > F                    |                   | 0.0473   |                  | 0.0001            | 0.0001          | 0.4097                         |     |     |     |    |     |     | I  |
| I | D.M.S. (5%)                  |                   | 1.85     |                  | 4.86              | 4.80            | 10.67                          |     |     |     |    |     |     | I  |





CUADRO NO. 2.29 VIRAL-T, 1982. VARIEDADES TEMPRANAS  
SEXTO VIVERO INTERNACIONAL DE FENDIMIENTO DE ARROZ PARA AMERICA LATINA  
PRUEBA NO. 29

COOPERADOR : ANIBAL RODRIGUEZ H.

|                     |              |                      |      |                                   |             |
|---------------------|--------------|----------------------|------|-----------------------------------|-------------|
| PAIS.....           | VENEZUELA    | TEMPERATURA MIN..... | GR.C | TEXTURA.....                      | ARCILLOSO   |
| LOCALIDAD.....      | ARAURE       | MAX.....             | GR.C | PH.....                           | 6.5         |
| EST. EXPERIMENTAL.. | ARAURE       | PRM.....             | GR.C | FERTILIZACION...                  | 36 N 26 P K |
| LATITUD.....        | 9 GR. 33' N  | PRECIPITACION.....   | M"   |                                   |             |
| LONGITUD.....       | 69 GR. 12' W | DIAS LLUVIOSOS.....  |      | PROTECCION CONTRA: ENFERMEDADES.. | NINGUNA     |
| ALTITUD (MSNM)....  | 200          |                      |      | INSECTOS.....                     | NINGUNA     |

SISTEMA DE CULTIVO: RIEGO

COMENTARIOS: LINEAS SIN RENDIMIENTO POR ATAQUE DE HB

| I | I | VARIEDAD                     | LINEA CODIGO | RENDIMIENTO (TON/HA) | POSICION | DIAS A FLORACION | DIAS A MADURACION | ALTURA LGD (CM) | ENFERMEDADES Y OTROS PROBLEMAS |     |     |     |     | I |    |
|---|---|------------------------------|--------------|----------------------|----------|------------------|-------------------|-----------------|--------------------------------|-----|-----|-----|-----|---|----|
|   |   |                              |              |                      |          |                  |                   |                 | BL                             | SHB | NBL | BS  | LSC |   | HB |
| I |   | P2015F4-108-1A-1B            | 1            |                      |          | 96.33            | 132.67            | 96.67           | 1                              |     | 1   | 1   |     |   | I  |
| I |   | P2013F4-82-2-1B              | 2            |                      |          | 96.33            | 129.00            | 96.67           | 1                              |     |     |     |     |   | I  |
| I |   | P2015F4-66-1-1B              | 3            |                      |          | 96.00            | 132.67            | 93.33           | 1                              |     |     |     |     |   | I  |
| I |   | P2015F4-66-3-1B              | 4            |                      |          | 98.00            | 154.33            | 96.00           | 1                              |     |     |     |     |   | I  |
| I |   | P2015F4-82-5-1B              | 5            |                      |          | 95.67            | 130.00            | 93.00           | 1                              |     |     | 1   |     |   | I  |
| I |   | P2015F4-138-3-1B             | 6            |                      |          | 96.00            | 130.00            | 91.67           | 1                              |     |     | 1   |     |   | I  |
| I |   | P2015F4-148-5-1B             | 7            |                      |          | 94.00            | 131.00            | 93.33           | 1                              |     |     |     |     |   | I  |
| I |   | P2015F4-150-4-1B             | 8            |                      |          | 96.33            | 130.00            | 95.00           |                                |     |     |     |     |   | I  |
| I |   | P2020F4-46-2-1B              | 9            |                      |          | 96.33            | 129.00            | 96.67           | 1                              |     |     | 1   |     |   | I  |
| I |   | CICA 8 (TESTIGO)             | 10           |                      |          | 96.67            | 133.67            | 95.00           | 1                              |     |     | 1   |     |   | I  |
| I |   | P2020F4-140-3-1B             | 11           |                      |          | 93.33            | 127.33            | 91.67           | 1                              |     |     | 3   |     |   | I  |
| I |   | P2020F4-149-1-1B             | 12           |                      |          | 96.67            | 129.33            | 93.33           | 1                              |     |     | 3   |     |   | I  |
| I |   | P2020F4-161-5-1B             | 13           | 6.63                 | 4        | 96.33            | 128.33            | 93.00           | 1                              |     |     | 3   |     |   | I  |
| I |   | P2030F4-226-1B-1B            | 14           | 6.41                 | 5        | 99.33            | 132.33            | 93.33           | 2                              |     |     | 1   | 3   |   | I  |
| I |   | P2023F4-74-2-1B              | 15           | 6.14                 | 6        | 97.33            | 128.67            | 93.33           | 1                              |     |     |     | 3   |   | I  |
| I |   | P2025F4-159-3-1B             | 16           | 6.70                 | 3        | 95.67            | 128.00            | 91.67           | 2                              |     |     |     | 3   |   | I  |
| I |   | P2026F4-12-2-1B              | 17           |                      |          | 96.33            | 130.33            | 91.67           | 1                              |     |     |     | 3   |   | I  |
| I |   | P2030F4-217-4-1B             | 18           | 5.70                 | 8        | 98.00            | 133.00            | 95.00           | 1                              |     |     |     | 5   |   | I  |
| I |   | P2030F4-222-1-1B             | 19           | 5.62                 | 9        | 96.33            | 133.00            | 96.67           | 1                              |     |     |     | 5   |   | I  |
| I |   | IR 43 (TESTIGO)              | 20           |                      |          | 96.67            | 131.67            | 96.33           | 2                              |     |     |     |     |   | I  |
| I |   | P2030F4-222-2-1B             | 21           | 6.08                 | 7        | 97.67            | 133.00            | 93.00           |                                |     |     |     | 5   |   | I  |
| I |   | P2030F4-243-4-1B             | 22           | 4.84                 | 13       | 96.33            | 128.33            | 96.67           | 1                              |     |     |     | 3   |   | I  |
| I |   | P2034F4-25-6-1B              | 23           | 6.98                 | 2        | 94.33            | 127.67            | 93.33           | 1                              |     |     |     | 1   |   | I  |
| I |   | P1097-15-1-4-1-1B-1B         | 24           | 7.34                 | 1        | 95.33            | 129.67            | 96.67           | 1                              |     |     |     | 1   |   | I  |
| I |   | IR4422-98-3-6-1              | 25           | 5.04                 | 12       | 96.33            | 130.33            | 92.67           | 1                              |     |     |     | 3   |   | I  |
| I |   | IR2153-276-1-10-PR509        | 26           | 5.54                 | 10       | 100.00           | 135.33            | 96.33           | 1                              |     |     |     | 5   |   | I  |
| I |   | SPR7204-57-5                 | 27           |                      |          | 97.00            | 131.67            | 93.33           | 1                              |     |     |     | 5   |   | I  |
| I |   | IR5853-11B-5                 | 28           | 3.88                 | 15       | 93.33            | 130.00            | 90.00           | 1                              |     |     |     | 1   |   | I  |
| I |   | IR14753-120-3                | 29           | 4.74                 | 14       | 93.33            | 127.33            | 93.00           | 1                              |     |     |     |     |   | I  |
| I |   | CICA 4 (TESTIGO)             | 30           |                      |          | 98.00            | 130.67            | 96.33           | 4                              |     |     |     | 3   |   | I  |
| I |   | TESTIGO LOCAL                | 31           | 5.08                 | 11       | 94.00            | 128.33            | 93.33           | 4                              |     |     | 3   | 3   |   | I  |
| I |   | PROMEDIO GENERAL             |              | 5.78                 |          | 96.24            | 131.18            | 94.13           | 1.3                            |     |     | 1.7 | 2.8 |   | I  |
| I |   | DESVIACION ESTANDAR          |              |                      |          | 2.60             | 6.88              | 3.95            |                                |     |     |     |     |   | I  |
| I |   | COEFICIENTE DE VARIACION (%) |              |                      |          | 2.70             | 5.24              | 4.20            |                                |     |     |     |     |   | I  |
| I |   | VALOR F PARA COMP. VARIETAL  |              |                      |          | 1.16             | 1.44              | 0.72            |                                |     |     |     |     |   | I  |
| I |   | PRM. > F                     |              |                      |          | 0.3097           | 0.1147            | 0.8347          |                                |     |     |     |     |   | I  |
| I |   | D.M.S. (SX)                  |              |                      |          | 4.24             | 11.23             | 6.45            |                                |     |     |     |     |   | I  |

COOPERADOR : ALBERTO JOSE GALTZ

|                     |              |                     |         |                                   |                 |
|---------------------|--------------|---------------------|---------|-----------------------------------|-----------------|
| PAIS.....           | VENEZUELA    | TEMPERATURA MIN.... | 21 GR.C | TEXTURA.....                      |                 |
| LOCALIDAD.....      | CALABOZO     | MAX.....            | 32 GR.C | PH.....                           | 5.8             |
| EST. EXPERIMENTAL.. | CALABOZO     | PROM.....           | 26 GR.C | FERTILIZACION...                  | 138 N 20 P 38 K |
| LATITUD.....        | 9 GR. 56' N  | PRECIPITACION.....  | 261MM   |                                   |                 |
| LONGITUD.....       | 67 GR. 25' W | DIAS LLUVIOSOS..... | 38      | PROTECCION CONTRA: ENFERMEDADES.. | NINGUNA         |
| ALTITUD (MSNM)....  | 100          |                     |         | INSECTOS.....                     | NECESARIA       |
|                     |              |                     |         | INSECTOS.....                     | CHINCHES        |

SISTEMA DE CULTIVO: RIEGO TRANSPLANTE COMENTARIOS:

| I | VARIEDAD                     | LINEA CODIGO | RENDIMIENTO (TON/HA) | POSICION | DIAS A FLORACION | DIAS A MADURACION | ALTURA (CM) | ENFERMEDADES Y OTROS PROBLEMAS |     |     |     |    |     | I |
|---|------------------------------|--------------|----------------------|----------|------------------|-------------------|-------------|--------------------------------|-----|-----|-----|----|-----|---|
|   |                              |              |                      |          |                  |                   |             | LDG                            | BL  | SHB | NBL | BS | LSC |   |
| I | P2015F4-108-10-18            | 1            | 4.15                 | 9        | 113.67           | 145.00            | 85.00       | 4                              | 2   |     |     |    | 6   | I |
| I | P2013F4-82-2-10              | 2            | 3.49                 | 20       | 113.67           | 145.67            | 90.00       | 3                              | 2   |     |     |    | 6   | I |
| I | P2015F4-66-1-18              | 3            | 4.41                 | 7        | 112.67           | 145.00            | 90.00       | 6                              | 1   |     |     |    | 5   | I |
| I | P2015F4-66-5-18              | 4            | 4.90                 | 2        | 109.67           | 141.00            | 95.00       | 4                              | 1   |     |     |    | 6   | I |
| I | P2015F4-82-5-18              | 5            | 3.64                 | 17       | 109.33           | 137.33            | 88.33       | 6                              | 1   |     |     |    | 6   | I |
| I | P2015F4-138-3-18             | 6            | 3.23                 | 26       | 109.67           | 141.00            | 88.33       | 5                              | 1   |     |     |    | 6   | I |
| I | P2015F4-148-5-18             | 7            | 3.92                 | 13       | 107.33           | 137.33            | 100.00      | 4                              | 1   |     |     |    | 8   | I |
| I | P2015F4-150-4-18             | 8            | 3.46                 | 21       | 109.67           | 141.00            | 96.67       | 5                              | 1   |     |     |    | 6   | I |
| I | P2020F4-46-2-18              | 9            | 4.44                 | 6        | 107.33           | 137.33            | 88.33       | 6                              | 1   |     |     |    | 6   | I |
| I | CICA 8 (TESTIGO)             | 10           | 3.99                 | 11       | 106.33           | 137.67            | 86.67       | 7                              | 1   |     |     |    | 7   | I |
| I | P2020F4-140-3-18             | 11           | 3.42                 | 23       | 107.00           | 137.67            | 88.33       | 8                              | 1   |     |     |    | 6   | I |
| I | P2020F4-149-1-18             | 12           | 3.23                 | 25       | 108.00           | 137.33            | 91.67       | 8                              | 1   |     |     |    | 6   | I |
| I | P2020F4-161-5-19             | 13           | 3.12                 | 28       | 110.67           | 140.67            | 91.67       | 6                              | 1   |     |     |    | 7   | I |
| I | P2030F4-226-18-18            | 14           | 2.65                 | 30       | 114.67           | 145.00            | 86.67       | 2                              | 1   |     |     |    | 5   | I |
| I | P2023F4-74-2-10              | 15           | 4.68                 | 4        | 102.33           | 137.67            | 91.67       | 2                              | 1   |     |     |    | 7   | I |
| I | P2025F4-139-3-18             | 16           | 5.07                 | 1        | 103.00           | 140.67            | 93.33       | 3                              | 1   |     |     |    | 6   | I |
| I | P2026F4-12-2-10              | 17           | 3.15                 | 27       | 108.00           | 140.67            | 90.00       | 5                              | 1   |     |     |    | 8   | I |
| I | P2030F4-217-4-18             | 18           | 3.60                 | 19       | 106.67           | 137.33            | 91.67       | 2                              | 1   |     |     |    | 7   | I |
| I | P2070F4-222-1-18             | 19           | 3.95                 | 12       | 108.00           | 140.67            | 95.00       | 3                              | 1   |     |     |    | 7   | I |
| I | IR 43 (TESTIGO)              | 20           | 2.25                 | 31       | 110.67           | 140.67            | 88.33       | 7                              | 2   |     |     |    | 5   | I |
| I | P2030F4-222-2-18             | 21           | 3.75                 | 18       | 108.00           | 140.67            | 90.00       | 3                              | 1   |     |     |    | 7   | I |
| I | P2030F4-243-4-18             | 22           | 2.97                 | 29       | 109.00           | 136.67            | 96.67       | 3                              | 1   |     |     |    | 7   | I |
| I | P2034F4-25-6-18              | 23           | 4.36                 | 8        | 102.00           | 130.67            | 100.00      | 5                              | 1   |     |     |    | 6   | I |
| I | P1897-15-1-4-1-18-18         | 24           | 3.66                 | 16       | 108.00           | 130.67            | 95.00       | 3                              | 1   |     |     |    | 6   | I |
| I | IR4422-28-3-6-1              | 25           | 3.54                 | 14       | 108.00           | 138.67            | 108.33      | 7                              | 1   |     |     |    | 3   | I |
| I | IR2153-276-1-10-PR509        | 26           | 3.97                 | 10       | 106.33           | 137.67            | 86.67       | 8                              | 1   |     |     |    | 5   | I |
| I | SPR7284-57-5                 | 27           | 3.60                 | 18       | 104.00           | 134.00            | 95.00       | 6                              | 1   |     |     |    | 7   | I |
| I | IR5953-118-5                 | 28           | 3.42                 | 22       | 106.00           | 136.00            | 95.00       | 6                              | 1   |     |     |    | 4   | I |
| I | IR14753-120-3                | 29           | 3.37                 | 24       | 107.33           | 137.33            | 110.00      | 7                              | 1   |     |     |    | 2   | I |
| I | CICA 4 (TESTIGO)             | 30           | 4.63                 | 5        | 108.67           | 138.67            | 90.00       | 5                              | 3   |     |     |    | 5   | I |
| I | ARAURE-2 (T.LOCAL)           | 31           | 4.76                 | 3        | 108.00           | 137.33            | 111.67      | 3                              | 1   |     |     |    | 3   | I |
| I | PROMEDIO GENERAL             |              | 3.78                 |          | 103.51           | 139.45            | 93.39       | 4.9                            | 1.2 |     |     |    | 5.9 | I |
| I | DESVIACION ESTANDAR          |              | 0.97                 |          | 1.13             | 2.69              | 4.91        |                                |     |     |     |    |     | I |
| I | COEFICIENTE DE VARIACION (%) |              | 25.98                |          | 2.93             | 1.93              | 5.26        |                                |     |     |     |    |     | I |
| I | VALOR F PARA COMP. VARIETAL  |              | 1.33                 |          | 2.06             | 3.27              | 5.63        |                                |     |     |     |    |     | I |
| I | PROB. > F                    |              | 0.1757               |          | 0.0086           | 0.0001            | 0.0001      |                                |     |     |     |    |     | I |
| I | D.M.S. (5%)                  |              | 1.61                 |          | 5.20             | 4.39              | 8.02        |                                |     |     |     |    |     | I |

COOPERADOR : JEFF C. H. WANG-D. PITAMOUR

|                      |                   |                     |       |                                   |             |
|----------------------|-------------------|---------------------|-------|-----------------------------------|-------------|
| PAIS.....            | GUYANA            | TEMPERATURA MIN.... | GR.C  | TEXTURA.....                      |             |
| LOCALIDAD.....       | CORENTYNE         | MAX.....            | GR.C  | PH.....                           | 5.3         |
| EST. EXPERIMENTAL... | BLACK BUSH POLDER | PROB....            | GR.C  | FERTILIZACION...                  | 60 N 13 P K |
| LATITUD.....         | 6 GR. 13' N       | PRECIPITACION.....  | 722MM |                                   |             |
| LONGITUD.....        | 57 GR. 15' W      | DIAS LLUVIOSOS..... | 42    | PROTECCION CONTRA: ENFERMEDADES.. |             |
| ALTITUD (MSNM)....   | 0                 |                     |       | INSECTOS.....                     | NECESARIA   |
|                      |                   |                     |       | DEBALUS POCILUS                   |             |
|                      |                   |                     |       | HYORELLIA SP.                     |             |

SISTEMA DE CULTIVOS: RIEGO TRANSPLANTE COMENTARIOS:

| I | VARIEDAD                     | LINEA CODIGO | RENDIMIENTO (TON/HA) | POSICION | DIAS A FLORACION | DIAS A MADURACION | ALTURA LOG (CM) | ENFERMEDADES Y OTROS PROBLEMAS |     |     |    |     |    |  |  |  |
|---|------------------------------|--------------|----------------------|----------|------------------|-------------------|-----------------|--------------------------------|-----|-----|----|-----|----|--|--|--|
|   |                              |              |                      |          |                  |                   |                 | BL                             | SHB | NBL | BS | LSC | MB |  |  |  |
| I | P2015F4-108-1B-1B            | 1            | 4.49                 | 31       | 73.67            | 132.67            | 99.67           |                                |     |     |    |     |    |  |  |  |
| I | P2013F4-82-2-1B              | 2            | 4.68                 | 30       | 98.33            | 136.33            | 100.00          |                                |     |     |    |     |    |  |  |  |
| I | P2015F4-66-1-1B              | 3            | 5.19                 | 20       | 92.67            | 132.33            | 102.67          |                                |     |     |    |     |    |  |  |  |
| I | P2015F4-66-5-1B              | 4            | 5.16                 | 4        | 92.33            | 131.00            | 104.00          | 3                              |     |     |    |     |    |  |  |  |
| I | P2015F4-82-5-1B              | 5            | 5.64                 | 10       | 87.67            | 127.67            | 106.00          |                                |     |     |    |     |    |  |  |  |
| I | P2015F4-138-3-1B             | 6            | 5.54                 | 13       | 99.00            | 134.33            | 103.33          |                                |     |     |    |     |    |  |  |  |
| I | P2015F4-148-5-1B             | 7            | 5.32                 | 18       | 95.33            | 132.67            | 101.67          |                                |     |     |    |     |    |  |  |  |
| I | P2015F4-150-4-1B             | 8            | 5.15                 | 22       | 94.00            | 132.33            | 103.33          |                                |     |     |    |     |    |  |  |  |
| I | P2020F4-46-2-1B              | 9            | 5.47                 | 16       | 95.33            | 131.00            | 105.00          |                                |     |     |    |     |    |  |  |  |
| I | CICA 6 (TESTIGO)             | 10           | 5.08                 | 25       | 94.67            | 135.33            | 97.33           |                                |     |     |    |     |    |  |  |  |
| I | P2020F4-140-3-1B             | 11           | 5.71                 | 9        | 97.00            | 131.00            | 103.33          |                                |     |     |    |     |    |  |  |  |
| I | P2020F4-149-1-1B             | 12           | 5.47                 | 15       | 102.00           | 135.00            | 110.33          | 3                              |     |     |    |     |    |  |  |  |
| I | P2020F4-161-5-1B             | 13           | 6.41                 | 3        | 90.00            | 133.33            | 96.33           |                                |     |     |    |     |    |  |  |  |
| I | P2020F4-226-1B-1B            | 14           | 5.08                 | 24       | 100.33           | 135.67            | 104.33          |                                |     |     |    |     |    |  |  |  |
| I | P2023F4-74-2-1B              | 15           | 5.22                 | 19       | 89.67            | 127.00            | 106.67          |                                |     |     |    |     |    |  |  |  |
| I | P2025F4-159-3-1B             | 16           | 5.52                 | 14       | 95.67            | 136.67            | 111.00          |                                |     |     |    |     |    |  |  |  |
| I | P2026F4-12-2-1B              | 17           | 4.31                 | 32       | 96.33            | 135.67            | 104.33          |                                |     |     |    |     |    |  |  |  |
| I | P2030F4-217-4-1B             | 18           | 4.26                 | 33       | 108.67           | 140.00            | 103.33          |                                |     |     |    |     |    |  |  |  |
| I | P2030F4-222-1-1B             | 19           | 5.16                 | 21       | 106.00           | 140.00            | 102.33          |                                |     |     |    |     |    |  |  |  |
| I | IR 43 (TESTIGO)              | 20           | 5.74                 | 8        | 93.00            | 128.00            | 99.00           |                                |     |     |    |     |    |  |  |  |
| I | P2030F4-222-2-1B             | 21           | 4.80                 | 29       | 106.00           | 139.33            | 106.00          |                                |     |     |    |     |    |  |  |  |
| I | P2030F4-243-4-1B             | 22           | 5.15                 | 23       | 98.33            | 136.67            | 104.00          |                                |     |     |    |     |    |  |  |  |
| I | P2034F4-25-6-1B              | 23           | 5.78                 | 7        | 92.33            | 126.33            | 103.33          |                                |     |     |    |     |    |  |  |  |
| I | P1097-15-1-4-1-1B-1B         | 24           | 5.37                 | 17       | 96.00            | 131.67            | 101.00          |                                |     |     |    |     |    |  |  |  |
| I | IR4422-98-3-6-1              | 25           | 5.98                 | 6        | 99.67            | 140.00            | 104.33          | 2                              |     |     |    |     |    |  |  |  |
| I | IR2153-275-1-10-PR509        | 26           | 5.61                 | 27       | 94.00            | 135.33            | 101.67          |                                |     |     |    |     |    |  |  |  |
| I | SPR7284-57-5                 | 27           | 4.84                 | 28       | 94.00            | 135.33            | 99.33           |                                |     |     |    |     |    |  |  |  |
| I | IR5853-118-5                 | 28           | 5.54                 | 12       | 97.00            | 135.00            | 107.00          |                                |     |     |    |     |    |  |  |  |
| I | IR14753-120-3                | 29           | 5.07                 | 26       | 104.00           | 140.67            | 109.00          |                                |     |     |    |     |    |  |  |  |
| I | CICA 4 (TESTIGO)             | 30           | 5.59                 | 11       | 97.67            | 136.00            | 99.33           |                                |     |     |    |     |    |  |  |  |
| I | RUSTIC (T.LOCAL)             | 31           | 6.85                 | 2        | 93.67            | 126.67            | 79.67           |                                |     |     |    |     |    |  |  |  |
| I | CICA 9 (T.LOCAL)             | 32           | 6.00                 | 5        | 91.00            | 132.00            | 97.33           |                                |     |     |    |     |    |  |  |  |
| I | DIWANI (T.LOCAL)             | 33           | 7.38                 | 1        | 92.67            | 127.33            | 91.33           |                                |     |     |    |     |    |  |  |  |
| I | PROMEDIO GENERAL             |              | 5.42                 |          | 95.88            | 133.74            | 102.22          | 2.6                            |     |     |    |     |    |  |  |  |
| I | DESVIACION ESTANDAR          |              | 0.70                 |          | 5.04             | 4.80              | 6.54            |                                |     |     |    |     |    |  |  |  |
| I | COEFICIENTE DE VARIACION (%) |              | 14.43                |          | 5.26             | 3.59              | 6.39            |                                |     |     |    |     |    |  |  |  |
| I | VALOR F PARA COMP. VARIETAL  |              | 2.16                 |          | 3.40             | 2.12              | 2.32            |                                |     |     |    |     |    |  |  |  |
| I | PROB. > F                    |              | 0.0046               |          | 0.0001           | 0.0054            | 0.0021          |                                |     |     |    |     |    |  |  |  |
| I | D.M.S. (5%)                  |              | 1.20                 |          | 6.22             | 7.82              | 10.66           |                                |     |     |    |     |    |  |  |  |

COOP. PACOPI : PROGRAMA ARROZ CIAT

|                                 |                             |   |
|---------------------------------|-----------------------------|---|
| PAIS..... BULIVIA               | TEMPERATURA MIN.... 22 GR.C | TEXTURA..... FRANCO                       |
| LOCALIDAD..... SANTA CRUZ       | MAX..... 31 GR.C            | PH..... 5.7                               |
| EST. EXPERIMENTAL.. PORTACHUELO | PRUN... 26 GR.C             | FERTILIZACION... 80 N 17 P 25 K           |
| LATITUD..... 17 GR. 20' S       | PRECIPITACION..... 1161MM   | PROTECCION CONTRA: ENFERMEDADES.. NINGUNA |
| LONGITUD..... 63 GR. 25' Y      | DIAS LLUVIOSOS..... 70      | INSFCTOS..... NECESARIA                   |
| ALTITUD (MSNM).... 250          |                             | INSECTOS..... BARRENADORES                |
|                                 |                             | SPOOPTERA FRUGIPERDA                      |

SISTEMA DE CULTIVO: SECANO FAVORECIDO COMENTARIOS:

| I | I | VARIEDAD                     | LINEA CODIGO | RENDIMIENTO (TON/HA) | POSICION | DIAS A FLORACION | DIAS A MADURACION | ALTURA (CM) | ENFERMEDADES Y OTROS PROBLEMAS |     |     |     |     |     |
|---|---|------------------------------|--------------|----------------------|----------|------------------|-------------------|-------------|--------------------------------|-----|-----|-----|-----|-----|
|   |   |                              |              |                      |          |                  |                   |             | LOG                            | BL  | SMB | NBL | BS  | LSC |
| I | I | P2015F4-108-1B-1B            | 1            | 3.74                 | 21       | 116.33           | 144.67            | 81.67       | 1                              | 1   |     | 2   | 2   | I   |
| I | I | P2013F4-82-2-1B              | 2            | 5.12                 | 4        | 102.00           | 133.33            | 83.33       | 1                              | 1   |     | 1   | 2   | I   |
| I | I | P2015F4-65-1-1B              | 3            | 4.53                 | 12       | 103.00           | 136.67            | 85.67       | 1                              | 1   |     | 1   | 3   | I   |
| I | I | P2015F4-66-5-1B              | 4            | 4.10                 | 18       | 110.33           | 140.00            | 88.67       | 1                              | 1   |     | 1   | 3   | I   |
| I | I | P2015F4-82-5-1B              | 5            | 4.25                 | 15       | 107.33           | 138.00            | 90.33       | 1                              | 1   |     | 1   | 3   | I   |
| I | I | P2015F4-130-3-1B             | 6            | 3.45                 | 24       | 113.00           | 140.67            | 88.67       | 1                              | 1   |     | 2   | 4   | I   |
| I | I | P2015F4-148-5-1B             | 7            | 3.49                 | 23       | 112.33           | 142.33            | 86.00       | 1                              | 1   |     | 2   | 3   | I   |
| I | I | P2015F4-150-4-1B             | 8            | 2.96                 | 20       | 112.00           | 142.33            | 85.67       | 1                              | 1   |     | 2   | 4   | I   |
| I | I | P2020F4-46-2-1B              | 9            | 4.72                 | 3        | 112.67           | 142.33            | 82.00       | 1                              | 1   |     | 2   | 3   | I   |
| I | I | CICA 3 (TESTIGO)             | 10           | 5.54                 | 1        | 112.67           | 143.00            | 84.67       | 1                              | 1   |     | 1   | 3   | I   |
| I | I | P2020F4-140-3-1B             | 11           | 4.81                 | 7        | 113.33           | 142.33            | 84.67       | 1                              | 1   |     | 1   | 3   | I   |
| I | I | P2020F4-149-1-1B             | 12           | 5.14                 | 2        | 113.00           | 143.33            | 84.33       | 1                              | 1   |     | 1   | 3   | I   |
| I | I | P2020F4-161-3-1B             | 13           | 5.52                 | 2        | 114.00           | 143.33            | 87.00       | 1                              | 1   |     | 1   | 3   | I   |
| I | I | P2030F4-220-1B-1B            | 14           | 2.87                 | 27       | 122.00           | 153.67            | 84.33       | 1                              | 1   |     | 2   | 3   | I   |
| I | I | P2023F4-74-2-1B              | 15           | 4.21                 | 17       | 127.67           | 159.33            | 92.67       | 1                              | 1   |     | 2   | 2   | I   |
| I | I | P2025F4-159-3-1B             | 16           | 3.92                 | 20       | 124.33           | 157.33            | 92.67       | 1                              | 1   |     | 2   | 2   | I   |
| I | I | P2026F4-12-2-1B              | 17           | 3.60                 | 22       | 107.67           | 139.67            | 82.67       | 1                              | 1   |     | 3   | 4   | I   |
| I | I | P2030F4-217-4-1B             | 18           | 3.25                 | 26       | 114.33           | 144.33            | 82.00       | 1                              | 1   |     | 2   | 4   | I   |
| I | I | P2030F4-222-1-1P             | 19           | 1.91                 | 31       | 133.67           | 165.67            | 85.33       | 1                              | 1   |     | 2   | 4   | I   |
| I | I | IR 43 (TESTIGO)              | 20           | 4.64                 | 11       | 106.00           | 136.00            | 80.67       | 1                              | 1   |     | 2   | 3   | I   |
| I | I | P2030F4-222-2-1B             | 21           | 2.58                 | 29       | 135.00           | 168.67            | 85.33       | 1                              | 1   |     | 2   | 3   | I   |
| I | I | P2030F4-243-4-1B             | 22           | 4.69                 | 7        | 100.33           | 138.67            | 86.67       | 1                              | 1   |     | 2   | 4   | I   |
| I | I | P2034F4-25-4-1B              | 23           | 4.92                 | 6        | 106.67           | 137.33            | 85.33       | 1                              | 1   |     | 1   | 3   | I   |
| I | I | P1897-15-1-4-1-1B-1B         | 24           | 2.43                 | 30       | 106.00           | 136.00            | 87.67       | 1                              | 1   |     | 2   | 3   | I   |
| I | I | IR4422-98-3-5-1              | 25           | 4.64                 | 10       | 114.67           | 144.00            | 99.67       | 1                              | 1   |     | 3   | 4   | I   |
| I | I | IR2153-276-1-10-PR509        | 26           | 4.25                 | 16       | 111.00           | 139.00            | 82.67       | 1                              | 1   |     | 4   | 3   | I   |
| I | I | SPR7284-57-5                 | 27           | 4.05                 | 19       | 109.67           | 139.33            | 87.67       | 1                              | 1   |     | 2   | 3   | I   |
| I | I | IR5853-119-5                 | 28           | 5.04                 | 5        | 106.67           | 136.00            | 88.33       | 1                              | 1   |     | 2   | 2   | I   |
| I | I | IR14753-120-3                | 29           | 4.40                 | 14       | 120.67           | 151.00            | 100.00      | 1                              | 1   |     | 3   | 2   | I   |
| I | I | CICA 4 (TESTIGO)             | 30           | 4.46                 | 13       | 100.67           | 130.33            | 77.00       | 1                              | 1   |     | 1   | 2   | I   |
| I | I | TESTIGO LOCAL                | 31           | 3.45                 | 25       | 104.33           | 133.33            | 123.00      | 4                              | 1   |     | 2   | 2   | I   |
| I | I | PROMEDIO GENERAL             |              | 4.09                 |          | 113.01           | 143.39            | 87.62       | 1.1                            | 1.0 |     | 1.8 | 3.0 | I   |
| I | I | DESVIACION ESTANDAR          |              | 0.45                 |          | 1.26             | 1.11              | 2.53        |                                |     |     |     |     | I   |
| I | I | COEFICIENTE DE VARIACION (%) |              | 10.96                |          | 1.12             | 0.78              | 2.88        |                                |     |     |     |     | I   |
| I | I | VALOR F PARA COMP. VARIETAL  |              | 12.44                |          | 130.45           | 203.57            | 31.41       |                                |     |     |     |     | I   |
| I | I | PROB. > F                    |              | 0.0001               |          | 0.0001           | 0.0001            | 0.0001      |                                |     |     |     |     | I   |
| I | I | D.M.S. (5%)                  |              | 0.73                 |          | 2.06             | 1.82              | 4.13        |                                |     |     |     |     | I   |

CUADRO NO. 2.33 VIRAL-T, 1982. VARIEDADES TEMPRANAS  
SEXTO VIVERO INTERNACIONAL DE RENDIMIENTO DE ARROZ PARA AMERICA LATINA  
PRUEBA NO. 33

COOPERADOR: JURGE ESTEBAN RODAS G.

|                     |                     |                     |      |                    |                      |
|---------------------|---------------------|---------------------|------|--------------------|----------------------|
| PAIS.....           | PARAGUAY            | TEMPERATURA MIN.... | GR.C | TEXTURA.....       |                      |
| LOCALIDAD.....      | EUSEBIO AYALA       | MAX.....            | GR.C | PH.....            |                      |
| EST. EXPERIMENTAL.. | CAMPO EXP. DE ARROZ | PROM....            | GR.C | FERTILIZACION...   | 50 N 26 P 25 K       |
| LATITUD.....        | GR. °               | PRECIPITACION.....  | MM   |                    |                      |
| LONGITUD.....       | GR. °               | DIAS LLUVIOSOS..... |      | PROTECCION CONTRA: | ENFERMEDADES..       |
| ALTITUD (MSNM)....  |                     |                     |      |                    | INSECTOS.....        |
|                     |                     |                     |      |                    | INSECTOS.....        |
|                     |                     |                     |      |                    | DEBALUS POECILUS     |
|                     |                     |                     |      |                    | SPODOPTERA FRUGIPERA |

SISTEMA DE CULTIVO: RIEGO

COMENTARIOS:

| I | I | VARIEDAD                     | LINEA<br>CODIGO | RENDIMIENTO<br>{TON/HA} | POSICION | DIAS A<br>FLORACION | DIAS A<br>MADURACION | ALTURA LOG<br>{CM} | ENFERMEDADES Y OTROS PROBLEMAS |     |     |    |     |    | I |  |   |
|---|---|------------------------------|-----------------|-------------------------|----------|---------------------|----------------------|--------------------|--------------------------------|-----|-----|----|-----|----|---|--|---|
|   |   |                              |                 |                         |          |                     |                      |                    | BL                             | SHB | NBL | BS | LSC | HB |   |  |   |
| I |   | P2015F4-108-18-1B            | 1               | 5.14                    | 26       | 109.00              | 146.67               | 85.67              |                                |     |     |    |     |    |   |  | I |
| I |   | P2013F4-82-2-1B              | 2               | 5.01                    | 12       | 110.00              | 145.33               | 82.00              |                                |     |     |    |     |    |   |  | I |
| I |   | P2015F4-66-1-1B              | 3               | 5.74                    | 20       | 108.33              | 143.33               | 90.00              |                                |     |     |    |     |    |   |  | I |
| I |   | P2015F4-66-5-1B              | 4               | 5.07                    | 11       | 109.00              | 145.00               | 90.33              |                                |     |     |    |     |    |   |  | I |
| I |   | P2015F4-82-5-1B              | 5               | 5.13                    | 27       | 101.00              | 136.67               | 83.33              |                                |     |     |    |     |    |   |  | I |
| I |   | P2015F4-138-3-1B             | 6               | 5.80                    | 15       | 105.67              | 141.00               | 89.33              |                                |     |     |    |     |    |   |  | I |
| I |   | P2015F4-148-3-1B             | 7               | 6.12                    | 9        | 111.67              | 146.00               | 90.00              |                                |     |     |    |     |    |   |  | I |
| I |   | P2015F4-150-4-1B             | 8               | 5.70                    | 18       | 112.33              | 148.33               | 88.33              |                                |     |     |    |     |    |   |  | I |
| I |   | P2020F4-46-2-1B              | 9               | 6.11                    | 10       | 107.33              | 142.33               | 87.67              |                                |     |     |    |     |    |   |  | I |
| I |   | CICA 8 (TESTIGO)             | 10              | 5.88                    | 16       | 111.67              | 145.00               | 87.67              |                                |     |     |    |     |    |   |  | I |
| I |   | P2020F4-140-3-1B             | 11              | 6.19                    | 7        | 113.00              | 145.00               | 82.50              |                                |     |     |    |     |    |   |  | I |
| I |   | P2020F4-149-1-1B             | 12              | 6.17                    | 8        | 110.00              | 145.00               | 84.00              |                                |     |     |    |     |    |   |  | I |
| I |   | P2020F4-161-5-1B             | 13              | 5.15                    | 25       | 103.33              | 141.67               | 86.00              |                                |     |     |    |     |    |   |  | I |
| I |   | P2030F4-226-1B-1B            | 14              | 4.89                    | 29       | 105.00              | 141.67               | 84.00              |                                |     |     |    |     |    |   |  | I |
| I |   | P2023F4-74-2-1B              | 15              | 4.82                    | 30       | 115.00              | 148.33               | 92.67              |                                |     |     |    |     |    |   |  | I |
| I |   | P2025F4-159-3-1B             | 16              | 5.85                    | 17       | 109.00              | 145.00               | 91.67              |                                |     |     |    |     |    |   |  | I |
| I |   | P2026F4-12-2-1B              | 17              | 5.74                    | 19       | 101.00              | 138.33               | 85.00              |                                |     |     |    |     |    |   |  | I |
| I |   | P2030F4-217-4-1B             | 18              | 5.98                    | 13       | 99.33               | 136.67               | 82.67              |                                |     |     |    |     |    |   |  | I |
| I |   | P2030F4-222-1-1B             | 19              | 5.47                    | 23       | 106.00              | 145.00               | 87.67              |                                |     |     |    |     |    |   |  | I |
| I |   | IR 43 (TESTIGO)              | 20              | 6.60                    | 4        | 99.33               | 135.00               | 82.67              |                                |     |     |    |     |    |   |  | I |
| I |   | P2030F4-222-2-1B             | 21              | 4.73                    | 31       | 113.00              | 148.33               | 91.00              |                                |     |     |    |     |    |   |  | I |
| I |   | P2030F4-243-4-1B             | 22              | 5.69                    | 21       | 101.67              | 140.00               | 77.67              |                                |     |     |    |     |    |   |  | I |
| I |   | P2034F4-25-6-1B              | 23              | 6.65                    | 3        | 108.33              | 142.33               | 85.67              |                                |     |     |    |     |    |   |  | I |
| I |   | PI997-15-1-4-1-1B-1B         | 24              | 5.04                    | 28       | 102.67              | 140.00               | 88.33              |                                |     |     |    |     |    |   |  | I |
| I |   | IR4422-98-3-6-1              | 25              | 5.49                    | 22       | 116.00              | 153.33               | 100.00             |                                |     |     |    |     |    |   |  | I |
| I |   | IR2153-275-1-10-PR509        | 26              | 7.53                    | 1        | 96.67               | 137.67               | 79.33              |                                |     |     |    |     |    |   |  | I |
| I |   | SPK72B4-57-5                 | 27              | 6.33                    | 5        | 108.33              | 140.33               | 93.33              |                                |     |     |    |     |    |   |  | I |
| I |   | IR5853-118-5                 | 28              | 6.73                    | 2        | 99.33               | 136.67               | 90.67              |                                |     |     |    |     |    |   |  | I |
| I |   | IR14753-120-3                | 29              | 5.42                    | 24       | 114.33              | 148.33               | 96.00              |                                |     |     |    |     |    |   |  | I |
| I |   | CICA 4 (TESTIGO)             | 30              | 6.22                    | 6        | 100.00              | 136.67               | 70.00              |                                |     |     |    |     |    |   |  | I |
| I |   | TESTIGO LOCAL                | 31              | 5.95                    | 14       | 114.00              | 150.00               | 75.67              |                                |     |     |    |     |    |   |  | I |
| I |   | PROMEDIO GENERAL             |                 | 5.82                    |          | 107.04              | 143.35               | 86.48              | 6.0                            |     |     |    |     |    |   |  | I |
| I |   | DESVIACION ESTANDAR          |                 | 0.65                    |          | 4.26                | 3.27                 | 3.11               |                                |     |     |    |     |    |   |  | I |
| I |   | COEFICIENTE DE VARIACION {X} |                 | 11.15                   |          | 3.96                | 2.28                 | 3.50               |                                |     |     |    |     |    |   |  | I |
| I |   | VALOR F PARA COMP. VARIETAL  |                 | 2.73                    |          | 4.78                | 6.10                 | 11.21              |                                |     |     |    |     |    |   |  | I |
| I |   | PROB. > F                    |                 | 0.0005                  |          | 0.0001              | 0.0001               | 0.0001             |                                |     |     |    |     |    |   |  | I |
| I |   | D.M.S. {5X}                  |                 | 1.06                    |          | 6.96                | 5.34                 | 5.08               |                                |     |     |    |     |    |   |  | I |



CUADRO NO. 2.34 VIRAL-T , 1982. VARIEDADES TEMPRANAS  
SEXTO VIVERO INTERNACIONAL DE RENDIMIENTO DE ARROZ PARA AMERICA LATINA  
PRUEBA NO. 34

COOPERADOR : NICOLAS CHEBATAROFF

```

=====
PAIS..... URUGUAY                TEMPERATURA MIN.... 15 GR.C      TEXTURA..... FRANCO
LOCALIDAD..... TREINTA Y TRES     MAX.... 27 GR.C          PH..... 5.6
EST. EXPERIMENTAL.. EST.EXP.DEL ESTE  PROM... 21 GR.C        FERTILIZACION... 80 N 30 P K
LATITUD..... 33 GR. 0' S        PRECIPITACION..... 578MM
LONGITUD..... 52 GR. 0' W      DIAS LLUVIOSOS..... 37
ALTITUD (MSNM).... 30
PROTECCION CONTRA: ENFERMEDADES.. NINGUNA
INSECTOS..... NINGUNA
=====

```

SISTEMA DE CULTIVO: RIEGO

COMENTARIOS: RENDIMIENTOS BAJOS POR ESTERILIDAD

| I | VARIEDAD                     | LINEA RENDIMIENTO |          | DIAS A FLORACION | DIAS A MADURACION | ALTURA LDG (CM) | ENFERMEDADES Y OTROS PROBLEMAS |    |     |     | I |    |
|---|------------------------------|-------------------|----------|------------------|-------------------|-----------------|--------------------------------|----|-----|-----|---|----|
|   |                              | CODIGO            | (TON/HA) |                  |                   |                 | POSICION                       | BL | SHB | NBL |   | BS |
| I | P2015F4-108-18-18            | 1                 |          | 134.33           |                   | 1               |                                |    |     |     |   | I  |
| I | P2013F4-82-7-1B              | 2                 | 2.54     | 5                | 123.67            | 1               |                                |    |     |     |   | I  |
| I | P2015F4-66-1-18              | 3                 | 1.46     | 11               | 131.00            | 1               |                                |    |     |     |   | I  |
| I | P2015F4-66-5-1B              | 4                 | 1.24     | 13               | 127.67            | 1               |                                |    |     |     |   | I  |
| I | P2015F4-82-5-18              | 5                 | 1.54     | 10               | 130.33            | 1               |                                |    |     |     |   | I  |
| I | P2015F4-138-3-1B             | 6                 |          | 132.33           |                   | 1               |                                |    |     |     |   | I  |
| I | P2015F4-148-5-1B             | 7                 | 2.24     | 7                | 129.33            | 1               |                                |    |     |     |   | I  |
| I | P2015F4-150-4-18             | 8                 | 2.07     | 8                | 131.00            | 1               |                                |    |     |     |   | I  |
| I | P2020F4-46-2-10              | 9                 |          | 144.33           |                   | 1               |                                |    |     |     |   | I  |
| I | CICA B (TESTIGO)             | 10                |          | 143.00           |                   | 1               |                                |    |     |     |   | I  |
| I | P2020F4-140-3-1B             | 11                |          | 143.00           |                   | 1               |                                |    |     |     |   | I  |
| I | P2020F4-140-1-1B             | 12                |          | 143.00           |                   | 1               |                                |    |     |     |   | I  |
| I | P2020F4-161-5-1B             | 13                |          | 142.67           |                   | 1               |                                |    |     |     |   | I  |
| I | P2030F4-225-18-1B            | 14                |          | 143.00           |                   | 1               |                                |    |     |     |   | I  |
| I | P2023F4-74-2-18              | 15                |          | 147.00           |                   | 1               |                                |    |     |     |   | I  |
| I | P2025F4-159-3-1B             | 16                |          | 143.00           |                   | 1               |                                |    |     |     |   | I  |
| I | P2026F4-12-2-18              | 17                |          | 129.00           |                   | 1               |                                |    |     |     |   | I  |
| I | P2010F4-217-4-1B             | 18                | 1.39     | 12               | 129.00            | 1               |                                |    |     |     |   | I  |
| I | P2010F4-222-1-18             | 19                |          | 149.67           |                   | 1               |                                |    |     |     |   | I  |
| I | IR 43 (TESTIGO)              | 20                | 2.24     | 6                | 131.33            | 1               |                                |    |     |     |   | I  |
| I | P2030F4-222-2-1B             | 21                |          |                  |                   | 1               |                                |    |     |     |   | I  |
| I | P2030F4-243-4-1B             | 22                |          | 113.33           |                   | 1               |                                |    |     |     |   | I  |
| I | P2034F4-25-6-18              | 23                |          | 137.00           |                   | 1               |                                |    |     |     |   | I  |
| I | PIE97-15-1-4-1-18-18         | 24                | 2.60     | 4                | 130.00            | 1               |                                |    |     |     |   | I  |
| I | IR4422-98-3-6-1              | 25                |          | 139.67           |                   | 1               |                                |    |     |     |   | I  |
| I | IR2153-275-1-10-PR509        | 26                | 1.93     | 9                | 130.33            | 1               |                                |    |     |     |   | I  |
| I | SPR7284-57-5                 | 27                |          | 142.67           |                   | 1               |                                |    |     |     |   | I  |
| I | IR5853-118-5                 | 28                | 2.99     | 2                | 127.33            | 1               |                                |    |     |     |   | I  |
| I | IR14753-120-3                | 29                |          | 139.67           |                   | 1               |                                |    |     |     |   | I  |
| I | CICA A (TESTIGO)             | 30                | 2.95     | 3                | 117.67            | 161.33          | 1                              |    |     |     |   | I  |
| I | BLUEJELLE (T.LOCAL)          | 31                | 7.43     | 1                | 87.00             | 128.00          | 1                              |    |     |     |   | I  |
| I | PROMEDIO GENERAL             |                   | 2.51     |                  | 133.24            | 144.67          | 1.0                            |    |     |     |   | I  |
| I | DESVIACION ESTANDAR          |                   | 0.36     |                  | 2.21              | 0.82            |                                |    |     |     |   | I  |
| I | COEFICIENTE DE VARIACION (%) |                   | 14.33    |                  | 1.66              | 0.56            |                                |    |     |     |   | I  |
| I | VALOR F PARA COMP. VARIETAL  |                   | 58.41    |                  | 95.02             | 2500            |                                |    |     |     |   | I  |
| I | PROB. > F                    |                   | 0.0001   |                  | 0.0001            | 0.0004          |                                |    |     |     |   | I  |
| I | D.M.S. (5%)                  |                   | 0.61     |                  | 3.61              | 2.78            |                                |    |     |     |   | I  |

COOPERADOR : W. JATTER-MIRANDA-MARIN

=====

|                      |              |                     |         |                    |                         |
|----------------------|--------------|---------------------|---------|--------------------|-------------------------|
| PAIS.....            | ARGENTINA    | TEMPERATURA MIN.... | 19 GR.C | TEXTURA.....       | FRANCO-ARCILLOSO        |
| LOCALIDAD.....       | CURRIENTES   | MAX.....            | 28 GR.C | PH.....            | 6.0                     |
| EST. EXPERIMENTAL... | INTA         | PRUM....            | 23 GR.C | FERTILIZACION...   | 0 N 0 P 0 K             |
| LATITUD.....         | 27 GR. 39' S | PRECIPITACION.....  | 1315MM  | PROTECCION CONTRA: | ENFERMEDADES... NINGUNA |
| LONGITUD.....        | 58 GR. 46' W | DIAS LLOVIOSOS..... | 67      |                    | INSECTOS..... NINGUNA   |
| ALTITUD (MNM)....    | 56           |                     |         |                    |                         |

=====

SISTEMA DE CULTIVO: RIEGO

COMENTARIOS:

| I | VARIEDAD                     | LINEA RENDIMIENTO |          | DIAS A FLORACION | DIAS A MADURACION | ALTURA LDG (CM) | ENFERMEDADES Y OTROS PROBLEMAS |     |     |     | I |     |
|---|------------------------------|-------------------|----------|------------------|-------------------|-----------------|--------------------------------|-----|-----|-----|---|-----|
|   |                              | CODIGO            | (TON/HA) |                  |                   |                 | BL                             | SHD | NBL | BS  |   | LSC |
| I | P2015F4-108-1B-1B            | 1                 | 7.79     | 17               | 117.00            | 165.00          | 90.00                          |     |     |     |   | I   |
| I | P2013F4-32-2-1B              | 2                 | 8.32     | 13               | 95.00             | 136.00          | 100.00                         |     |     |     |   | I   |
| I | P2015F4-66-1-1B              | 3                 | 9.07     | 6                | 133.00            | 148.00          | 95.00                          |     |     |     |   | I   |
| I | P2015F4-66-5-1B              | 4                 | 3.67     | 9                | 133.00            | 148.00          | 90.00                          |     |     |     |   | I   |
| I | P2015F4-32-5-1B              | 5                 | 9.12     | 5                | 106.00            | 158.00          | 95.00                          |     |     |     |   | I   |
| I | P2015F4-130-3-1B             | 6                 | 8.00     | 16               | 106.00            | 153.00          | 100.00                         |     |     |     |   | I   |
| I | P2015F4-148-5-1B             | 7                 | 9.21     | 3                | 107.00            | 158.00          | 105.00                         |     |     |     |   | I   |
| I | P2015F4-150-4-1B             | 8                 | 8.62     | 10               | 108.00            | 158.00          | 100.00                         |     |     |     |   | I   |
| I | P2020F4-46-2-1B              | 9                 | 9.12     | 5                | 109.00            | 158.00          | 90.00                          |     |     |     |   | I   |
| I | CICA B (TESTIGO)             | 10                | 9.70     | 1                | 109.00            | 158.00          | 90.00                          |     |     |     |   | I   |
| I | P2020F4-140-3-1B             | 11                | 6.33     | 26               | 108.00            | 158.00          | 95.00                          | 3   |     |     |   | I   |
| I | P2020F4-149-1-1B             | 12                | 8.73     | 8                | 108.00            | 158.00          | 90.00                          |     |     |     |   | I   |
| I | P2020F4-161-5-1B             | 13                | 9.64     | 2                | 109.00            | 158.00          | 100.00                         |     |     |     |   | I   |
| I | P2030F4-226-1B-1B            | 14                | 6.87     | 24               | 117.00            | 165.00          | 90.00                          |     |     |     |   | I   |
| I | P2023F4-74-2-1B              | 15                | 7.65     | 19               | 130.00            | 180.00          | 95.00                          |     |     |     |   | I   |
| I | P2025F4-159-3-1B             | 16                | 7.01     | 22               | 125.00            | 175.00          | 100.00                         |     |     |     |   | I   |
| I | P2026F4-12-2-1B              | 17                | 8.49     | 25               | 107.00            | 151.00          | 100.00                         |     |     |     |   | I   |
| I | P2030F4-217-4-1B             | 18                | 8.40     | 12               | 102.00            | 145.00          | 85.00                          |     |     |     |   | I   |
| I | P2030F4-222-1-1B             | 19                | 5.60     | 27               | 143.00            | 190.00          |                                |     |     |     |   | I   |
| I | IR 43 (TESTIGO)              | 20                | 8.23     | 14               | 109.00            | 158.00          | 95.00                          |     |     |     |   | I   |
| I | P2030F4-222-2-1B             | 21                | 4.52     | 29               | 145.00            | 193.00          |                                |     |     | 9   |   | I   |
| I | P2030F4-243-4-1B             | 22                | 7.27     | 21               | 118.00            | 166.00          | 95.00                          |     |     |     |   | I   |
| I | P2034F4-25-6-1B              | 23                | 8.99     | 7                | 107.00            | 161.00          | 95.00                          |     |     |     |   | I   |
| I | PI597-15-1-4-1-1B-1B         | 24                | 7.75     | 19               | 107.00            | 158.00          | 105.00                         |     |     |     |   | I   |
| I | IR4422-98-3-6-1              | 25                |          |                  | 120.00            |                 | 100.00                         | 9   |     |     |   | I   |
| I | IR2153-275-1-10-PR509        | 26                | 8.22     | 15               | 109.00            | 165.00          | 90.00                          |     |     |     |   | I   |
| I | SPR7284-57-5                 | 27                | 5.05     | 28               | 116.00            | 166.00          | 90.00                          |     |     |     |   | I   |
| I | IR5853-118-5                 | 28                | 8.50     | 11               | 135.00            | 145.00          | 90.00                          |     |     |     |   | I   |
| I | IR14753-120-3                | 29                |          |                  | 120.00            | 175.00          | 100.00                         | 9   |     |     |   | I   |
| I | CICA A (TESTIGO)             | 30                | 6.94     | 23               | 94.00             | 132.00          | 90.00                          |     |     |     |   | I   |
| I | TESTIGO LOCAL                | 31                | 7.54     | 20               | 112.00            | 158.00          | 95.00                          |     |     |     |   | I   |
| I | TESTIGO LOCAL                | 32                | 4.12     | 30               | 98.00             | 130.00          | 105.00                         |     |     |     |   | I   |
| I | PROMEDIO GENERAL             |                   | 7.72     |                  | 111.53            | 158.94          | 95.33                          | 7.0 |     | 9.0 |   | I   |
| I | DESVIACION ESTANDAR          |                   | 1.11     |                  |                   |                 |                                |     |     |     |   | I   |
| I | COEFICIENTE DE VARIACION (%) |                   | 14.41    |                  |                   |                 |                                |     |     |     |   | I   |
| I | VALDR F PARA COMP. VARIETAL  |                   | 5.23     |                  |                   |                 |                                |     |     |     |   | I   |
| I | PRUB. > F                    |                   | 0.0001   |                  |                   |                 |                                |     |     |     |   | I   |
| I | D.M.S. (5%)                  |                   | 1.82     |                  |                   |                 |                                |     |     |     |   | I   |



VIRAL-T 1962, VARIEDADES TEMPRANAS  
 CICLO DE GERMINACION, ALTURA DE PLANTA Y RENDIMIENTO DE SIEMBRAS EN SECAO FAVORECIDO  
 EN 10 LOCALIDADES DEL TROPICO

| I | I     | I                      | I      | I                 | I      | I                     | I     | I                    | I     | I      | I             | I    | I |
|---|-------|------------------------|--------|-------------------|--------|-----------------------|-------|----------------------|-------|--------|---------------|------|---|
|   |       |                        |        |                   |        |                       |       |                      |       |        |               |      |   |
| I | LINEA | FLORACION (DIAS)       |        | MADURACION (DIAS) |        | ALTURA DE PLANTA (CM) |       | RENDIMIENTO (TON/HA) |       |        |               |      |   |
| I | I     | I                      | I      | I                 | I      | I                     | I     | I                    | I     | I      | I             | I    | I |
| I | NO.   | DESIGNACION            | MEDIA  | MINIMA-MAXIMA     | MEDIA  | MINIMA-MAXIMA         | MEDIA | MINIMA-MAXIMA        | MEDIA | POSIC. | MINIMO-MAXIMO |      |   |
| I | I     | I                      | I      | I                 | I      | I                     | I     | I                    | I     | I      | I             | I    | I |
| I | 1     | P2015F4-108-18-18      | 105.81 | 90.00-112.00      | 134.55 | 128.67-144.67         | 81.00 | 50.00-105.67         | 4.34  | 10     | 2.46-         | 7.98 | I |
| I | 2     | P2013F4-82-2-18        | 99.44  | 85.00-110.00      | 131.10 | 124.67-142.00         | 83.33 | 54.00-103.67         | 4.16  | 19     | 2.25-         | 6.91 | I |
| I | 3     | P2015F4-66-1-18        | 97.10  | 83.00-108.33      | 127.10 | 115.00-138.67         | 83.05 | 55.00-108.67         | 4.33  | 12     | 2.28-         | 8.14 | I |
| I | 4     | P2015F4-66-5-10        | 90.55  | 95.00-110.33      | 128.70 | 119.33-140.00         | 85.56 | 55.00-114.33         | 4.44  | 8      | 2.26-         | 8.06 | I |
| I | 5     | P2015F4-82-5-18        | 97.08  | 90.00-107.67      | 127.24 | 111.00-140.00         | 83.27 | 55.33-103.67         | 4.34  | 11     | 2.21-         | 7.38 | I |
| I | 6     | P2015F4-13A-3-18       | 99.50  | 85.00-110.67      | 131.19 | 120.67-145.00         | 84.56 | 56.33-114.00         | 4.27  | 15     | 2.21-         | 8.58 | I |
| I | 7     | P2015F4-148-5-18       | 104.10 | 88.00-117.33      | 135.67 | 125.00-142.33         | 90.54 | 55.33-120.00         | 3.88  | 26     | 1.95-         | 6.47 | I |
| I | 8     | P2015F4-150-4-18       | 104.42 | 88.00-114.00      | 133.81 | 124.00-142.33         | 89.69 | 50.00-113.33         | 3.97  | 22     | 2.36-         | 7.12 | I |
| I | 9     | P2020F4-46-2-18        | 101.83 | 85.00-112.67      | 131.60 | 119.67-142.33         | 83.17 | 52.00-112.67         | 4.65  | 5      | 2.33-         | 8.24 | I |
| I | 10    | CICA 8 (TESTIGO)       | 101.98 | 85.00-112.67      | 132.07 | 120.67-143.00         | 81.15 | 54.67-102.67         | 4.94  | 2      | 3.03-         | 7.83 | I |
| I | 11    | P2020F4-140-3-18       | 101.86 | 85.00-113.33      | 131.64 | 120.00-142.33         | 81.75 | 52.33-105.00         | 4.50  | 6      | 1.87-         | 8.23 | I |
| I | 12    | P2020F4-149-1-18       | 102.65 | 88.33-113.00      | 132.48 | 120.67-143.33         | 81.11 | 55.00-106.00         | 4.76  | 4      | 2.53-         | 8.00 | I |
| I | 13    | P2020F4-161-5-18       | 101.37 | 85.00-114.00      | 131.40 | 120.00-143.33         | 83.19 | 57.00-106.67         | 5.03  | 1      | 2.89-         | 8.79 | I |
| I | 14    | P2030F4-226-18-18      | 108.69 | 95.00-124.00      | 137.56 | 130.00-151.67         | 82.00 | 51.33-113.67         | 3.85  | 27     | 1.59-         | 7.59 | I |
| I | 15    | P2023F4-74-2-18        | 104.94 | 86.00-127.67      | 135.31 | 124.00-159.33         | 86.60 | 52.00-118.00         | 4.25  | 17     | 2.01-         | 7.05 | I |
| I | 16    | P2025F4-159-3-18       | 104.77 | 88.00-124.33      | 134.83 | 125.00-157.33         | 87.77 | 53.00-118.00         | 4.81  | 3      | 2.66-         | 7.62 | I |
| I | 17    | P2026F4-12-2-18        | 98.35  | 87.00-113.33      | 130.33 | 119.67-139.67         | 89.46 | 58.00-122.67         | 3.94  | 23     | 1.63-         | 7.04 | I |
| I | 18    | P2030F4-217-4-18       | 106.78 | 92.50-121.33      | 135.45 | 125.33-144.67         | 81.58 | 47.67-109.33         | 4.30  | 14     | 2.19-         | 7.84 | I |
| I | 19    | P2030F4-222-1-18       | 105.54 | 85.00-133.67      | 136.71 | 125.67-166.67         | 85.81 | 53.33-119.00         | 4.04  | 21     | 1.93-         | 6.37 | I |
| I | 20    | IR 43 (TESTIGO)        | 96.94  | 81.67-109.67      | 127.52 | 111.67-137.00         | 81.96 | 57.33-106.67         | 4.38  | 9      | 1.70-         | 7.26 | I |
| I | 21    | P2030F4-222-2-18       | 109.29 | 96.67-135.00      | 138.24 | 125.33-168.67         | 85.10 | 54.00-121.33         | 3.90  | 25     | 1.79-         | 6.30 | I |
| I | 22    | P2030F4-243-4-18       | 98.21  | 80.00-110.67      | 126.97 | 111.67-139.67         | 81.89 | 51.67-106.67         | 4.23  | 18     | 2.08-         | 7.15 | I |
| I | 23    | P2034F4-25-6-18        | 98.85  | 83.00-112.33      | 129.48 | 116.67-139.00         | 86.41 | 51.00-108.33         | 4.31  | 13     | 2.03-         | 7.42 | I |
| I | 24    | P1397-15-1-4-1-18-18   | 101.71 | 85.00-112.67      | 130.65 | 114.67-142.33         | 85.17 | 50.00-108.33         | 3.41  | 29     | 1.26-         | 7.32 | I |
| I | 25    | IR4422-93-3-6-1        | 106.76 | 97.00-117.33      | 134.73 | 128.50-144.00         | 94.55 | 53.00-115.00         | 4.27  | 16     | 2.35-         | 5.94 | I |
| I | 26    | IR2153-276-1-10-PR5091 | 98.27  | 87.00-113.67      | 129.00 | 118.00-139.00         | 77.94 | 47.67-114.00         | 3.80  | 28     | 1.59-         | 6.61 | I |
| I | 27    | SPR7284-57-5           | 101.15 | 85.00-114.33      | 131.19 | 120.00-140.67         | 86.81 | 45.00-111.67         | 3.93  | 24     | 1.89-         | 6.82 | I |
| I | 28    | IR5853-118-5           | 97.67  | 87.00-110.00      | 127.31 | 120.00-136.00         | 85.56 | 50.00-111.00         | 4.13  | 20     | 2.12-         | 6.03 | I |
| I | 29    | IR14753-120-3          | 102.90 | 84.00-120.67      | 134.14 | 126.00-151.00         | 90.29 | 44.67-117.33         | 4.47  | 7      | 2.16-         | 7.54 | I |
| I | 30    | CICA 4 (TESTIGO)       | 94.54  | 82.00-109.67      | 124.48 | 114.67-137.00         | 77.12 | 46.00-112.00         | 3.19  | 30     | 1.07-         | 6.97 | I |



CUADRO NO. 2.39 VIRAL-T 19.2. VARIEDADES TEMPRANAS  
 REACCION A "PIRICULARIA EN EL CUELLO EN EL GENOPLASMA SEMBRADO  
 EN 4 LOCALIDADES

| LINEA                    | NUMERO DE LA LOCALIDAD <sup>a</sup> / REACCION A PIRICULARIA EN EL CUELLO <sup>b</sup> |    |    |    |    |      |           |  |
|--------------------------|--|----|----|----|----|------|-----------|--|
|                          |  | 16 | 24 | 25 | 33 | PROM | MIN - MAX |  |
| 1 P2015F4-108-1B-1B      | 0 2 1 1 0 - 2  |    |    |    |    |      |           |  |
| 2 P2013F4-82-2-1B        | 2 1 1 5 2 1 - 5  |    |    |    |    |      |           |  |
| 3 P2015F4-66-1-1B        | 0 1 2 3 2 0 - 3  |    |    |    |    |      |           |  |
| 4 P2015F4-66-5-1B        | 0 1 1 4 2 0 - 4  |    |    |    |    |      |           |  |
| 5 P2015F4-82-5-1B        | 2 5 2 3 3 2 - 5  |    |    |    |    |      |           |  |
| 6 P2015F4-138-3-1B       | 0 2 2 3 1 0 - 3  |    |    |    |    |      |           |  |
| 7 P2015F4-148-5-1B       | 3 2 4 3 3 2 - 4  |    |    |    |    |      |           |  |
| 8 P2015F4-150-4-1B       | 2 1 5 2 2 1 - 5  |    |    |    |    |      |           |  |
| 9 P2020F4-46-2-1B        | 0 2 2 1 0 - 2  |    |    |    |    |      |           |  |
| 10 CICA 8 (TESTIGO)      | 0 1 3 1 0 - 3  |    |    |    |    |      |           |  |
| 11 P2020F4-140-3-1B      | 0 1 2 3 1 0 - 3  |    |    |    |    |      |           |  |
| 12 P2020F4-149-1-1B      | 0 3 1 1 0 - 3  |    |    |    |    |      |           |  |
| 13 P2020F4-161-5-1B      | 0 2 1 1 0 - 2  |    |    |    |    |      |           |  |
| 14 P2030F4-226-1B-1B     | 0 1 1 1 0 - 1  |    |    |    |    |      |           |  |
| 15 P2023F4-74-2-1B       | 0 1 3 1 0 - 3  |    |    |    |    |      |           |  |
| 16 P2025F4-159-3-1B      | 0 1 2 1 0 - 2  |    |    |    |    |      |           |  |
| 17 P2026F4-12-2-1B       | 2 1 1 4 2 1 - 4  |    |    |    |    |      |           |  |
| 18 P2030F4-217-4-1B      | 2 1 2 3 2 1 - 3  |    |    |    |    |      |           |  |
| 19 P2030F4-222-1-1B      | 2 1 5 3 3 1 - 5  |    |    |    |    |      |           |  |
| 20 IR 43 (TESTIGO)       | 3 1 3 6 3 1 - 6  |    |    |    |    |      |           |  |
| 21 P2030F4-222-2-1B      | 0 2 1 0 - 2  |    |    |    |    |      |           |  |
| 22 P2030F4-243-4-1B      | 2 2 4 4 3 2 - 4  |    |    |    |    |      |           |  |
| 23 P2034F4-25-6-1B       | 2 2 3 5 3 2 - 5  |    |    |    |    |      |           |  |
| 24 P1897-15-1-4-1-1B-1B  | 2 1 4 4 2 1 - 4  |    |    |    |    |      |           |  |
| 25 IR4422-98-3-6-1       | 0 1 4 2 0 - 4  |    |    |    |    |      |           |  |
| 26 IR2153-275-1-10-PR509 | 5 1 2 3 3 1 - 5  |    |    |    |    |      |           |  |
| 27 SPR7284-57-5          | 2 1 2 5 2 1 - 5  |    |    |    |    |      |           |  |
| 28 IR5853-118-5          | 3 1 3 2 1 - 3  |    |    |    |    |      |           |  |
| 29 IR14753-120-3         | 2 3 1 2 2 1 - 3  |    |    |    |    |      |           |  |
| 30 CICA 4 (TESTIGO)      | 5 5 2 6 4 2 - 6  |    |    |    |    |      |           |  |
| 31 TESTIGO LOCAL         | 0 1 2 1 1 0 - 2  |    |    |    |    |      |           |  |

a. VER NOMBRES DE LAS LOCALIDADES EN EL CUADRO 2.6  
 b. SEGUN ESCALA INTERNACIONAL 0-9 : 0-4 = RESISTENTE, 5-9 = SUSCEPTIBLE



CUADRO NO. 2.41 VIRAL-T 1982. VARIETADES TEMPRANAS  
INCIDENCIA DEL HELMINTOSPORIOSIS EN EL GERMOPLASMA SEMBRADO EN SECANO FAVORECIDO  
EN 9 LOCALIDADES DEL TROPICO

| I | I     | I                     | NUMERO DE LA LOCALIDAD <sup>a</sup> / |   |    |    |    |    |    |    |    |      | INCIDENCIA DEL HELMINTOSPORIOSIS <sup>b</sup> |   | I |   |  |
|---|-------|-----------------------|---------------------------------------|---|----|----|----|----|----|----|----|------|---|---|---|---|--|
|   |       |                       | I                                     | I | I  | I  | I  | I  | I  | I  | I  | I    | I   | I |   | I |  |
| I | LINEA | I                     |                                       |   |    |    |    |    |    |    |    |      |   |   |   |   |  |
| I | NO.   | DESIGNACION           | 4                                     | 8 | 15 | 16 | 17 | 18 | 22 | 23 | 32 | PROM | MIN - MAX                                     | I |   |   |  |
| I | 1     | P2015F4-108-18-1B     | 3                                     | 2 | 5  | 2  | 3  | 0  | 6  | 5  | 2  | 3    | 0 - 6   | I |   |   |  |
| I | 2     | P2013F4-82-2-1B       | 2                                     | 2 | 4  | 1  | 2  | 0  | 5  | 6  | 1  | 3    | 0 - 6   | I |   |   |  |
| I | 3     | P2013F4-66-1-1B       | 3                                     | 1 | 6  | 1  | 2  | 0  | 4  | 7  | 1  | 3    | 0 - 7   | I |   |   |  |
| I | 4     | P2015F4-66-5-1B       | 2                                     | 1 | 6  | 1  | 2  | 0  | 3  | 6  | 1  | 3    | 0 - 6   | I |   |   |  |
| I | 5     | P2015F4-82-5-1B       | 3                                     | 2 | 7  | 1  | 3  | 0  | 4  | 7  | 1  | 3    | 0 - 7   | I |   |   |  |
| I | 6     | P2015F4-138-3-1B      | 1                                     | 1 | 6  | 1  | 2  | 0  | 4  | 6  | 2  | 3    | 0 - 6   | I |   |   |  |
| I | 7     | P2015F4-148-5-1B      | 1                                     | 1 | 2  | 2  | 3  | 0  | 2  | 4  | 2  | 2    | 0 - 4   | I |   |   |  |
| I | 8     | P2015F4-150-4-1B      | 1                                     | 2 | 2  | 2  | 2  | 0  | 4  | 4  | 2  | 2    | 0 - 4   | I |   |   |  |
| I | 9     | P2020F4-46-2-1B       | 2                                     | 1 | 5  | 2  | 2  | 0  | 5  | 5  | 2  | 3    | 0 - 5   | I |   |   |  |
| I | 10    | CICA 8 (TESTIGO)      | 1                                     | 1 | 4  | 2  | 2  | 0  | 5  | 5  | 1  | 2    | 0 - 5   | I |   |   |  |
| I | 11    | P2020F4-140-3-1B      | 1                                     | 1 | 3  | 2  | 2  | 0  | 4  | 5  | 1  | 2    | 0 - 5   | I |   |   |  |
| I | 12    | P2020F4-149-1-1B      | 2                                     | 2 | 4  | 2  | 2  | 0  | 4  | 5  | 1  | 2    | 0 - 5   | I |   |   |  |
| I | 13    | P2020F4-161-5-1B      | 1                                     | 1 | 5  | 1  | 3  | 0  | 4  | 5  | 1  | 2    | 0 - 5   | I |   |   |  |
| I | 14    | P2030F4-226-10-1B     | 2                                     | 1 | 5  | 2  | 2  | 0  | 3  | 5  | 2  | 2    | 0 - 5   | I |   |   |  |
| I | 15    | P2023F4-74-2-1B       | 3                                     | 3 | 2  | 2  | 2  | 0  | 3  | 6  | 2  | 2    | 0 - 6   | I |   |   |  |
| I | 16    | P2025F4-159-3-1B      | 2                                     | 1 | 2  | 1  | 4  | 0  | 2  | 4  | 2  | 2    | 0 - 4   | I |   |   |  |
| I | 17    | P2026F4-12-2-1B       | 5                                     | 2 | 3  | 2  | 4  | 0  | 5  | 7  | 3  | 3    | 0 - 7   | I |   |   |  |
| I | 18    | P2030F4-217-4-1B      | 4                                     | 1 | 2  | 1  | 3  | 0  | 2  | 5  | 2  | 2    | 0 - 5   | I |   |   |  |
| I | 19    | P2030F4-222-1-1B      | 2                                     | 1 | 5  | 2  | 3  | 0  | 4  | 5  | 2  | 3    | 0 - 5   | I |   |   |  |
| I | 20    | IR 43 (TESTIGO)       | 2                                     | 2 | 2  | 1  | 3  | 0  | 4  | 6  | 2  | 2    | 0 - 6   | I |   |   |  |
| I | 21    | P2030F4-222-2-1B      | 3                                     | 2 | 8  | 1  | 3  | 0  | 4  | 7  | 2  | 3    | 0 - 8   | I |   |   |  |
| I | 22    | P2030F4-243-4-1B      | 2                                     | 2 | 4  | 1  | 2  | 0  | 4  | 6  | 2  | 3    | 0 - 6   | I |   |   |  |
| I | 23    | P2034F4-25-6-1B       | 2                                     | 1 | 5  | 2  | 3  | 0  | 6  | 6  | 1  | 3    | 0 - 6   | I |   |   |  |
| I | 24    | P1897-15-1-4-1-1B-1B  | 3                                     | 3 | 2  | 2  | 3  | 0  | 3  | 7  | 2  | 3    | 0 - 7   | I |   |   |  |
| I | 25    | IR4422-93-3-6-1       | 3                                     | 2 | 2  | 3  | 3  | 0  | 3  | 4  | 3  | 2    | 0 - 4   | I |   |   |  |
| I | 26    | IR2153-276-1-10-PR509 | 9                                     | 5 | 5  | 3  | 5  | 7  | 5  | 7  | 4  | 6    | 3 - 9   | I |   |   |  |
| I | 27    | SPR7284-57-5          | 3                                     | 2 | 3  | 3  | 2  | 7  | 4  | 6  | 2  | 4    | 2 - 7   | I |   |   |  |
| I | 28    | IR5853-118-5          | 2                                     | 2 | 2  | 2  | 3  | 7  | 4  | 6  | 2  | 3    | 2 - 7   | I |   |   |  |
| I | 29    | IR14753-120-3         | 4                                     | 5 | 2  | 2  | 4  | 7  | 4  | 6  | 3  | 4    | 2 - 7   | I |   |   |  |
| I | 30    | CICA 4 (TESTIGO)      | 2                                     | 2 | 3  | 1  | 2  | 0  | 4  | 6  | 1  | 2    | 0 - 6   | I |   |   |  |
| I | 31    | TESTIGO LOCAL         | 1                                     | 3 | 3  | 2  | 2  | 0  | 5  | 5  | 2  | 3    | 0 - 5   | I |   |   |  |

a. VER NOMBRES DE LAS LOCALIDADES EN EL CUADRO 2.8  
b. SEGUN ESCALA INTERNACIONAL 0-9 : 0-4 = RESISTENTE, 5-9 = SUSCEPTIBLE



CUADRO NO. 2.42 VIRAL-T 1980. VARIETADES TEMPRANAS  
INCIDENCIA DEL ARBOLLO DE LA VAINA EN EL GERMOPLASMA SEMBRADO EN SECANO FAVORECIDO  
EN 5 LOCALIDADES DEL TROPICO

| LINEA | NUMERO DE LA LOCALIDAD <sup>a</sup> | INCIDENCIA DEL ARBOLLO DE LA VAINA <sup>b</sup> |    |    |    |                |   |       |
|-------|-------------------------------------|---|----|----|----|----------------|---|-------|
|       |                                     | 21  | 22 | 23 | 24 | PPOM MIN - MAX |   |       |
| 1     | P2015F4-108-1B-1B                   | 3   | 2  | 4  | 3  | 2              | 3 | 2 - 4 |
| 2     | P2013F4-82-2-1B                     | 2   | 2  | 4  | 3  | 3              | 3 | 2 - 4 |
| 3     | P2015F4-66-1-1B                     | 3   | 2  | 4  | 3  | 5              | 4 | 2 - 5 |
| 4     | P2014F4-66-5-1B                     | 3   | 2  | 6  | 3  | 4              | 3 | 2 - 6 |
| 5     | P2015F4-82-5-1B                     | 3   | 2  | 6  | 4  | 6              | 4 | 2 - 6 |
| 6     | P2015F4-138-3-1B                    | 2   | 2  | 5  | 3  | 4              | 3 | 2 - 5 |
| 7     | P2015F4-149-5-1B                    | 3   | 2  | 3  | 4  | 2              | 3 | 2 - 4 |
| 8     | P2013F4-150-4-1B                    | 3   | 1  | 3  | 4  | 4              | 3 | 1 - 4 |
| 9     | P2020F4-46-2-1B                     | 3   | 2  | 4  | 4  | 3              | 3 | 2 - 4 |
| 10    | CICA 8 (TESTIGO)                    | 2   | 2  | 4  | 4  | 3              | 3 | 2 - 4 |
| 11    | P2020F4-140-3-1B                    | 2   | 2  | 4  | 3  | 4              | 3 | 2 - 4 |
| 12    | P2020F4-149-1-1B                    | 3   | 2  | 3  | 4  | 3              | 3 | 2 - 4 |
| 13    | P2020F4-161-5-1B                    | 2   | 2  | 4  | 4  | 2              | 3 | 2 - 4 |
| 14    | P2030F4-226-1B-1B                   | 2   | 2  | 3  | 3  | 0              | 2 | 0 - 3 |
| 15    | P2023F4-74-2-1B                     | 4   | 2  | 3  | 4  | 2              | 3 | 2 - 4 |
| 16    | P2025F4-159-3-1B                    | 2   | 2  | 3  | 3  | 1              | 2 | 1 - 3 |
| 17    | P2026F4-12-2-1B                     | 4   | 2  | 5  | 4  | 3              | 4 | 2 - 5 |
| 18    | P2030F4-217-4-1B                    | 2   | 2  | 3  | 3  | 1              | 2 | 1 - 3 |
| 19    | P2030F4-222-1-1B                    | 3   | 1  | 4  | 3  | 2              | 2 | 1 - 4 |
| 20    | IR 43 (TESTIGO)                     | 3   | 2  | 4  | 4  | 4              | 4 | 2 - 4 |
| 21    | P2030F4-222-2-1B                    | 3   | 1  | 4  | 4  | 2              | 3 | 1 - 4 |
| 22    | P2030F4-243-4-1B                    | 2   | 4  | 4  | 4  | 3              | 3 | 2 - 4 |
| 23    | P2034F4-25-6-1B                     | 3   | 2  | 4  | 4  | 2              | 3 | 2 - 4 |
| 24    | P1897-15-1-4-1-1B-1B                | 4   | 1  | 4  | 5  | 4              | 4 | 1 - 5 |
| 25    | IR4422-98-3-6-1                     | 2   | 2  | 3  | 3  | 0              | 2 | 0 - 3 |
| 26    | IR2153-276-1-10-PR509               | 4   | 2  | 5  | 4  | 5              | 4 | 2 - 5 |
| 27    | SPP7284-57-5                        | 5   | 2  | 4  | 4  | 3              | 4 | 2 - 6 |
| 28    | IR5853-118-5                        | 4   | 4  | 6  | 4  | 3              | 4 | 3 - 6 |
| 29    | IR14753-120-3                       | 5   | 2  | 4  | 4  | 3              | 3 | 2 - 5 |
| 30    | CICA 4 (TESTIGO)                    | 4   | 3  | 4  | 6  | 2              | 4 | 2 - 6 |
| 31    | TESTIGO LOCAL                       | 4   | 2  | 5  | 3  | 1              | 3 | 1 - 5 |

a. VER NOMBRES DE LAS LOCALIDADES EN EL CUADRO 2.8

b. SEGUN ESCALA INTERNACIONAL 0-9 : 0-4 = RESISTENTE, 5-9 = SUSCEPTIBLE

CUADRO NO. 2.43 VIRAL-T 1981. VARIETADES TEMPRANAS  
RENDIMIENTO (TON/HA) DEL GERMOPLASMA SEMBRADO EN RIEGO  
EN 13 LOCALIDADES DEL TROPICO

| LINEA                         | NUMERO DE LA LOCALIDAD <sup>a</sup> | RENDIMIENTO (TON/HA) |       |      |       |      |       |       |       |       |       |       |       |      | PROM | PGSIC       | MIN - MAX |
|-------------------------------|-------------------------------------|----------------------|-------|------|-------|------|-------|-------|-------|-------|-------|-------|-------|------|------|-------------|-----------|
|                               |                                     | 1                    | 3     | 5    | 7     | 10   | 11    | 13    | 27    | 28    | 30    | 31    | 33    |      |      |             |           |
| 1 P2015F4-108-1B-1B           | 1                                   | 5.81                 | 4.47  | 5.76 | 6.24  | 6.43 | 5.19  | 5.60  | 5.67  | 5.33  | 4.15  | 4.49  | 5.14  | 5.54 | 20   | 4.15 - 7.78 |           |
| 2 P2013F4-82-2-1B             | 1                                   | 5.68                 | 5.29  | 5.90 | 5.34  | 7.75 | 4.91  | 5.15  | 5.29  | 4.70  | 3.48  | 4.68  | 6.01  | 5.58 | 19   | 3.48 - 8.32 |           |
| 3 P2015F4-65-1-1B             | 1                                   | 5.51                 | 5.56  | 5.11 | 4.38  | 7.50 | 5.33  | 5.80  | 5.29  | 4.33  | 4.41  | 5.19  | 5.74  | 5.87 | 10   | 4.33 - 9.07 |           |
| 4 P2015F4-66-5-1B             | 1                                   | 5.44                 | 4.89  | 7.21 | 3.71  | 7.63 | 4.89  | 5.93  | 6.80  | 5.39  | 4.90  | 6.16  | 6.03  | 5.98 | 6    | 3.71 - 8.67 |           |
| 5 P2015F4-82-5-1B             | 1                                   | 5.16                 | 4.73  | 7.04 | 4.09  | 6.81 | 6.11  | 5.63  | 6.80  | 4.98  | 3.64  | 5.64  | 5.13  | 5.76 | 13   | 3.64 - 9.12 |           |
| 6 P2015F4-138-3-1B            | 1                                   | 5.17                 | 3.29  | 7.51 | 4.36  | 7.16 | 4.44  | 5.51  | 7.18  | 5.22  | 3.23  | 5.54  | 5.88  | 5.73 | 17   | 3.23 - 8.06 |           |
| 7 P2015F4-148-5-1B            | 1                                   | 5.63                 | 3.91  | 6.75 | 5.64  | 6.33 | 4.75  | 5.54  | 6.42  | 5.21  | 3.92  | 3.32  | 6.12  | 5.75 | 16   | 3.91 - 9.21 |           |
| 8 P2015F4-150-4-1B            | 1                                   | 5.82                 | 3.91  | 6.51 | 6.17  | 7.57 | 3.63  | 6.16  | 6.80  | 5.21  | 3.46  | 5.15  | 5.78  | 5.75 | 15   | 3.46 - 8.62 |           |
| 9 P2020F4-46-2-1B             | 1                                   | 5.35                 | 5.20  | 6.12 | 6.18  | 8.33 | 4.45  | 5.53  | 7.18  | 4.68  | 4.44  | 5.47  | 6.11  | 6.01 | 5    | 4.44 - 9.12 |           |
| 10 CICA 0 (TESTIGO)           | 1                                   | 5.63                 | 5.51  | 6.63 | 6.11  | 8.28 | 3.59  | 5.31  | 7.56  | 4.89  | 3.99  | 5.08  | 5.88  | 6.02 | 4    | 3.59 - 9.76 |           |
| 11 P2020F4-140-3-1B           | 1                                   | 5.55                 | 5.56  | 5.00 | 6.72  | 8.11 | 3.55  | 5.91  | 7.18  |       | 3.42  | 5.71  | 6.18  | 5.77 | 12   | 3.42 - 8.11 |           |
| 12 P2020F4-149-1-1B           | 1                                   | 5.45                 | 5.64  | 5.39 | 6.39  | 8.32 | 4.42  | 5.42  | 7.10  | 4.47  | 3.23  | 5.47  | 6.17  | 5.91 | 8    | 3.23 - 8.82 |           |
| 13 P2020F4-161-5-1B           | 1                                   | 5.40                 | 3.87  | 6.43 | 7.05  | 7.86 | 4.37  | 5.07  | 6.80  | 3.69  | 3.12  | 6.41  | 5.15  | 5.76 | 14   | 3.12 - 9.64 |           |
| 14 P2030F4-226-1B-1B          | 1                                   | 5.23                 | 2.83  | 5.85 | 5.71  | 3.02 | 5.17  | 3.73  | 4.16  | 3.34  | 2.65  | 5.08  | 4.89  | 4.59 | 30   | 2.65 - 6.87 |           |
| 15 P2023F4-74-2-1B            | 1                                   | 5.13                 | 3.02  | 5.31 | 4.55  | 5.04 | 3.43  | 4.06  | 8.31  | 5.68  | 4.68  | 5.22  | 4.82  | 5.22 | 26   | 3.02 - 8.31 |           |
| 16 P2025F4-159-3-1B           | 1                                   | 5.63                 | 4.18  | 5.75 | 5.01  | 7.56 | 4.15  | 5.75  | 6.80  | 6.18  | 5.07  | 5.52  | 5.86  | 5.73 | 18   | 4.15 - 7.56 |           |
| 17 P2025F4-12-2-1B            | 1                                   | 4.80                 | 5.73  | 5.07 | 3.39  | 7.85 | 3.36  | 4.86  | 6.80  | 4.60  | 3.15  | 4.31  | 5.74  | 5.09 | 29   | 3.15 - 7.85 |           |
| 18 P2030F4-217-4-1B           | 1                                   | 5.24                 | 4.13  | 4.55 | 5.78  | 5.83 | 3.73  | 5.52  | 4.91  | 5.35  | 3.60  | 4.26  | 5.98  | 5.18 | 27   | 3.60 - 8.40 |           |
| 19 P2030F4-222-1-1B           | 1                                   | 4.79                 | 4.80  | 5.53 | 4.37  | 7.05 | 3.68  | 4.71  | 6.80  | 6.00  | 3.95  | 5.16  | 5.47  | 5.22 | 25   | 3.68 - 7.05 |           |
| 20 IR 41 (TESTIGO)            | 1                                   | 5.42                 | 4.09  | 7.04 | 4.84  | 9.32 | 4.57  | 5.26  | 7.94  | 4.70  | 2.25  | 5.74  | 6.60  | 5.85 | 11   | 2.25 - 9.32 |           |
| 21 P2030F4-222-2-1B           | 1                                   | 5.50                 | 4.13  | 6.09 | 4.32  | 7.74 | 3.36  | 5.14  | 5.67  | 6.77  | 3.76  | 4.80  | 4.73  | 5.12 | 28   | 3.36 - 7.74 |           |
| 22 P2030F4-223-4-1B           | 1                                   | 5.44                 | 5.44  | 5.84 | 4.64  | 6.07 | 4.26  | 4.61  | 7.18  | 5.84  | 2.97  | 5.15  | 5.69  | 5.42 | 23   | 2.97 - 7.27 |           |
| 23 P2034F4-25-6-1B            | 1                                   | 5.99                 | 5.51  | 7.07 | 5.59  | 8.74 | 5.58  | 4.16  | 6.80  | 6.43  | 4.36  | 5.78  | 6.66  | 6.28 | 1    | 4.16 - 8.99 |           |
| 24 P1897-15-1-4-1-1B-1B       | 1                                   | 6.28                 | 4.67  | 6.65 | 5.66  | 7.06 | 3.73  | 6.26  | 4.53  | 4.96  | 3.66  | 5.37  | 5.04  | 5.51 | 22   | 3.66 - 7.75 |           |
| 25 IR4422-98-3-6-1            | 1                                   | 6.44                 | 5.56  | 6.01 | 5.49  | 6.75 | 4.41  |       | 5.29  |       | 3.34  | 5.98  | 5.49  | 5.53 | 21   | 3.84 - 6.75 |           |
| 26 IR2153-276-1-10-PR509      | 1                                   | 6.25                 | 6.49  | 5.93 | 3.95  | 7.69 | 5.03  | 5.60  | 7.56  |       | 3.99  | 5.01  | 7.53  | 6.11 | 3    | 3.95 - 8.22 |           |
| 27 SPR7284-57-5               | 1                                   | 4.97                 | 5.42  | 6.43 | 5.60  | 9.23 | 6.40  | 4.89  | 6.80  |       | 3.60  | 4.84  | 6.33  | 5.88 | 9    | 3.60 - 9.23 |           |
| 28 IRS853-116-5               | 1                                   | 5.20                 | 5.51  | 6.45 | 5.22  | 7.32 | 5.96  | 5.85  | 8.31  |       | 3.42  | 5.54  | 6.73  | 6.17 | 2    | 3.42 - 8.50 |           |
| 29 IR14753-120-3              | 1                                   | 6.32                 | 5.07  | 3.30 | 6.68  | 7.52 | 3.33  | 6.00  | 6.80  |       | 3.39  | 5.07  | 5.42  | 5.36 | 24   | 3.30 - 7.52 |           |
| 30 CICA 4 (TESTIGO)           | 1                                   | 5.41                 | 5.11  | 6.31 | 4.91  | 6.39 | 5.37  | 5.59  | 6.90  |       | 4.63  | 5.59  | 6.22  | 5.94 | 7    | 4.63 - 8.39 |           |
| 31 TESTIGO LOCAL <sup>b</sup> | 1                                   | 6.42                 | 5.02  | 6.88 | 6.70  | 7.24 |       | 4.82  | 4.53  | 6.31  | 4.75  | 6.85  | 5.95  | 6.09 |      | 4.53 - 7.54 |           |
| PROMEDIO GENERAL              | 1                                   | 5.55                 | 4.86  | 6.15 | 5.35  | 7.39 | 4.51  | 5.28  | 6.52  | 5.21  | 3.79  | 5.42  | 5.82  |      |      |             |           |
| POSICION                      | 1                                   | 6                    | 11    | 4    | 8     | 2    | 12    | 9     | 3     | 10    | 13    | 7     | 5     |      |      |             |           |
| COEFICIENTE DE VARIACION(X)   | 1                                   | 8.50                 | 17.84 | 9.75 | 12.30 | 9.14 | 13.90 | 14.44 | 21.55 | 13.08 | 25.98 | 14.43 | 11.15 |      |      |             |           |
| D.M.S. (5%)                   | 1                                   | 0.77                 | 1.42  | 0.98 | 1.07  | 1.10 | 1.02  | 1.25  | 2.30  | 1.37  | 1.01  | 1.28  | 1.06  |      |      |             |           |

a. VER NOMBRES DE LAS LOCALIDADES EN EL CUADRO 2.6

b. DIFERENTE EN CADA LOCALIDAD

CUADRO NO. 2.43 VIRAL-1 1967. VARIETADES TEMPRANAS  
 RENDIMIENTO (TON/HA) DEL GERMOPLASMA SEMBRADO EN RIEGO  
 EN 13 LOCALIDADES DEL TROPICO

(CONTINUACION)

| LINEA                       |                            | NUMERO DE LA LOCALIDAD <sup>a</sup> |      | RENDIMIENTO (TON/HA) |             |
|-----------------------------|----------------------------|-------------------------------------|------|----------------------|-------------|
| NO.                         | DESIGNACION                | UB                                  | PRUM | POSIT                | MI - MAX    |
| 1                           | P2015F4-108-10-1B          | 7.79                                | 5.54 | 20                   | 4.15 - 7.73 |
| 2                           | P2013F4-82-2-1B            | 8.32                                | 5.58 | 19                   | 3.48 - 8.32 |
| 3                           | P2015F4-66-1-1B            | 9.07                                | 5.87 | 10                   | 4.33 - 9.07 |
| 4                           | P2015F4-66-5-1B            | 8.67                                | 5.98 | 6                    | 3.71 - 8.67 |
| 5                           | P2015F4-82-5-1B            | 9.12                                | 5.75 | 13                   | 3.64 - 9.12 |
| 6                           | P2015F4-103-3-1B           | 8.00                                | 5.73 | 17                   | 3.23 - 8.00 |
| 7                           | P2015F4-148-5-1B           | 9.21                                | 5.75 | 16                   | 3.91 - 9.21 |
| 8                           | P2015F4-100-4-1B           | 8.62                                | 5.75 | 15                   | 3.46 - 8.62 |
| 9                           | P2020F4-46-2-1B            | 9.12                                | 6.01 | 5                    | 4.44 - 9.12 |
| 10                          | CICA 8 (TESTIGO)           | 9.75                                | 6.02 | 4                    | 3.59 - 9.75 |
| 11                          | P2020F4-140-3-1B           | 6.33                                | 5.77 | 12                   | 3.42 - 6.11 |
| 12                          | P2020F4-149-1-1B           | 8.73                                | 5.91 | 8                    | 3.23 - 6.82 |
| 13                          | P2020F4-161-5-1B           | 9.64                                | 5.76 | 14                   | 3.12 - 9.64 |
| 14                          | P2030F4-226-10-1B          | 6.87                                | 4.50 | 30                   | 2.65 - 6.87 |
| 15                          | P2023F4-74-2-1B            | 7.55                                | 5.22 | 26                   | 3.02 - 8.31 |
| 16                          | P2025F4-159-3-1B           | 7.01                                | 5.73 | 18                   | 4.15 - 7.56 |
| 17                          | P2026F4-12-2-1B            | 6.49                                | 5.09 | 29                   | 3.15 - 7.85 |
| 18                          | P2030F4-217-4-1B           | 8.40                                | 5.18 | 27                   | 3.60 - 8.40 |
| 19                          | P2030F4-222-1-1B           | 5.60                                | 5.22 | 23                   | 3.68 - 7.05 |
| 20                          | IR 43 (TESTIGO)            | 8.23                                | 5.85 | 11                   | 2.25 - 9.32 |
| 21                          | P2030F4-222-2-1B           | 4.52                                | 5.12 | 28                   | 3.36 - 7.74 |
| 22                          | P2030F4-243-4-1B           | 7.27                                | 5.42 | 23                   | 2.97 - 7.27 |
| 23                          | P2034F4-25-6-1B            | 8.99                                | 6.28 | 1                    | 4.16 - 8.99 |
| 24                          | P1897-15-1-4-1-1B-1B       | 7.75                                | 5.51 | 22                   | 3.66 - 7.75 |
| 25                          | IR4422-98-3-6-1            |                                     | 5.53 | 21                   | 3.64 - 6.75 |
| 26                          | IR2153-276-1-10-PR509      | 8.22                                | 6.11 | 3                    | 3.95 - 8.22 |
| 27                          | SPR7204-57-5               | 5.05                                | 5.88 | 9                    | 3.60 - 9.23 |
| 28                          | IR5853-118-5               | 8.50                                | 6.17 | 2                    | 3.42 - 8.50 |
| 29                          | IR14753-120-3              |                                     | 5.36 | 24                   | 3.30 - 7.52 |
| 30                          | CICA 4 (TESTIGO)           | 6.94                                | 5.94 | 7                    | 4.63 - 8.39 |
| 31                          | TESTIGO LOCAL <sup>b</sup> | 7.54                                | 6.09 |                      | 4.53 - 7.54 |
| PROMEDIO GENERAL            |                            | 7.72                                |      |                      |             |
| POSICION                    |                            |                                     | 1    |                      |             |
| COEFICIENTE DE VARIACION(%) |                            | 114.41                              |      |                      |             |
| D.S. (5%)                   |                            | 1.82                                |      |                      |             |

a. VER NOMBRES DE LAS LOCALIDADES EN EL CUADRO 2.8  
 b. DIFERENTE EN CADA LOCALIDAD

CUADRO NO. 2.44 VIRAL-T 1982. VARIETADES TEMPRANAS  
 RENDIMIENTO (TON/HA) DEL GERMOPLASMA SEMBRADO EN SECANO FAVORECIDO  
 EN 16 LOCALIDADES DEL TROPICO

| I                             | I                          | I       | I NUMERO DE LA LOCALIDAD <sup>a</sup> / RENDIMIENTO (TON/HA) |         |         |         |         |         |         |         |         |         |         |      | I     | I    | I    | I |
|-------------------------------|----------------------------|---------|--|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|------|-------|------|------|---|
|                               |                            |         | I  | I       | I       | I       | I       | I       | I       | I       | I       | I       | I       | I    |       |      |      |   |
| I                             | I                          | I       | I  | I       | I       | I       | I       | I       | I       | I       | I       | I       | I       | I    | I     | I    | I    | I |
| I NO.                         | DESIGNACION                | 4       | 8  | 12      | 14      | 15      | 16      | 17      | 18      | 19      | 20      | 22      | 23      | PROM | PGSIC | MIN  | MAX  |   |
| I 1                           | P2015F4-108-18-1B          | 2.83    | 2.46   | 4.26    | 3.75    | 4.21    | 7.98    | 4.31    | 6.48    | 4.67    | 2.46    | 3.21    | 3.06    | 4.34 | 10    | 2.46 | 7.98 |   |
| I 2                           | P2013F4-82-2-1B            | 3.01    | 2.57   | 3.64    | 3.01    | 3.36    | 6.91    | 5.08    | 4.83    | 4.32    | 2.25    | 3.34    | 3.87    | 4.16 | 19    | 2.25 | 6.91 |   |
| I 3                           | P2015F4-66-1-1B            | 3.07    | 2.28   | 3.37    | 4.34    | 2.59    | 8.14    | 6.24    | 5.49    | 4.78    | 2.55    | 2.62    | 3.29    | 4.33 | 12    | 2.28 | 8.14 |   |
| I 4                           | P2015F4-66-9-1B            | 2.85    | 2.66   | 3.48    | 3.52    | 4.76    | 8.06    | 5.98    | 6.38    | 5.07    | 2.26    | 2.62    | 3.32    | 4.44 | 8     | 2.26 | 8.06 |   |
| I 5                           | P2013F4-82-5-1B            | 3.05    | 2.77   | 3.89    | 4.34    | 2.21    | 7.15    | 6.76    | 6.70    | 4.63    | 2.85    | 2.62    | 3.07    | 4.34 | 11    | 2.21 | 7.38 |   |
| I 6                           | P2015F4-138-3-1B           | 2.45    | 2.21   | 3.46    | 4.48    | 2.61    | 8.58    | 6.37    | 6.43    | 5.85    | 2.33    | 2.99    | 3.61    | 4.27 | 15    | 2.21 | 8.58 |   |
| I 7                           | P2015F4-148-5-1B           | 3.00    | 2.88   | 3.99    | 4.12    | 3.56    | 2.52    | 6.10    | 6.47    | 4.31    | 1.95    | 2.99    | 3.43    | 3.88 | 26    | 1.95 | 6.47 |   |
| I 8                           | P2015F4-150-4-1B           | 3.17    | 3.25   | 3.18    | 4.46    | 3.20    | 4.37    | 7.12    | 5.62    | 4.76    | 2.36    | 3.40    | 2.45    | 3.97 | 22    | 2.36 | 7.12 |   |
| I 9                           | P2020F4-48-2-13            | 3.50    | 2.33   | 3.48    | 4.76    | 2.53    | 8.24    | 7.22    | 7.39    | 5.10    | 3.44    | 3.45    | 3.46    | 4.65 | 5     | 2.33 | 8.24 |   |
| I 10                          | CICA 8 (TESTIGO)           | 3.11    | 3.36   | 4.44    | 5.53    | 3.53    | 7.83    | 6.95    | 7.01    | 5.73    | 3.21    | 3.62    | 3.03    | 4.94 | 2     | 3.03 | 7.83 |   |
| I 11                          | P2020F4-140-3-1B           | 2.87    | 1.97   | 3.27    | 4.70    | 3.52    | 8.23    | 7.16    | 5.92    | 5.16    | 3.15    | 3.19    | 3.21    | 4.60 | 6     | 1.87 | 8.23 |   |
| I 12                          | P2020F4-149-1-1B           | 3.34    | 2.53   | 4.15    | 4.49    | 3.96    | 8.00    | 7.26    | 6.77    | 5.07    | 4.04    | 3.93    | 2.77    | 4.76 | 4     | 2.53 | 8.00 |   |
| I 13                          | P2020F4-161-5-1B           | 3.06    | 2.89   | 3.97    | 3.96    | 3.66    | 8.44    | 7.67    | 8.79    | 5.17    | 3.39    | 3.76    | 3.55    | 5.03 | 1     | 2.89 | 8.79 |   |
| I 14                          | P2030F4-246-1B-1B          | 2.62    | 2.03   | 1.99    | 4.73    | 3.32    | 7.59    | 5.56    | 5.15    | 3.76    | 2.76    | 3.12    | 3.62    | 3.85 | 27    | 1.99 | 7.59 |   |
| I 15                          | P2023F4-74-2-1B            | 2.24    | 2.54   | 3.84    | 5.05    | 4.14    | 7.05    | 4.92    | 5.36    | 4.49    | 2.01    | 3.42    | 3.33    | 4.25 | 17    | 2.01 | 7.05 |   |
| I 16                          | P2025F4-159-3-1B           | 2.66    | 2.81   | 3.63    | 4.58    | 4.62    | 7.62    | 6.57    | 6.85    | 4.88    | 3.08    | 3.97    | 4.44    | 4.81 | 3     | 2.66 | 7.62 |   |
| I 17                          | P2025F4-12-2-1B            | 1.76    | 2.00   | 3.19    | 3.72    | 3.06    | 7.04    | 6.09    | 4.94    | 4.34    | 1.63    | 3.11    | 2.96    | 3.94 | 23    | 1.63 | 7.04 |   |
| I 18                          | P2030F4-217-4-1B           | 2.19    | 2.84   | 2.83    | 4.08    | 4.29    | 7.84    | 6.46    | 5.54    | 4.19    | 2.84    | 3.96    | 4.26    | 4.30 | 14    | 2.19 | 7.84 |   |
| I 19                          | P2030F4-222-1-1B           | 3.22    | 1.93   | 3.25    | 4.34    | 2.98    | 6.37    | 6.28    | 5.93    | 4.66    | 2.28    | 3.28    | 3.11    | 4.04 | 21    | 1.93 | 6.37 |   |
| I 20                          | IR 43 (TESTIGO)            | 2.64    | 1.70   | 4.04    | 4.57    | 4.23    | 5.57    | 7.26    | 6.18    | 4.75    | 2.03    | 2.72    | 3.53    | 4.38 | 9     | 1.70 | 7.26 |   |
| I 21                          | P2030F4-222-2-1B           | 3.33    | 2.09   | 2.97    | 5.05    | 1.79    | 5.49    | 5.22    | 6.30    | 5.09    | 2.60    | 3.56    | 2.76    | 3.90 | 25    | 1.79 | 6.30 |   |
| I 22                          | P2030F4-243-4-1B           | 2.68    | 2.61   | 3.07    | 3.63    | 4.08    | 6.74    | 7.15    | 6.30    | 5.10    | 2.08    | 2.66    | 2.30    | 4.23 | 18    | 2.08 | 7.15 |   |
| I 23                          | P2034F4-25-6-1B            | 3.21    | 2.99   | 3.28    | 4.79    | 3.15    | 4.78    | 7.42    | 6.88    | 5.30    | 2.03    | 2.42    | 3.01    | 4.31 | 13    | 2.03 | 7.42 |   |
| I 24                          | PI997-15-1-4-1-1B-1B       | 2.46    | 2.55   | 2.70    | 3.93    | 3.16    | 7.32    | 4.70    | 5.59    | 4.18    | 1.26    | 1.87    | 1.85    | 3.41 | 29    | 1.26 | 7.32 |   |
| I 25                          | IR4422-98-3-6-1            | 2.69    | 2.94   | 2.51    | 3.94    | 4.27    | 4.48    | 5.67    | 5.74    | 5.06    | 2.35    | 3.89    | 3.74    | 4.27 | 16    | 2.35 | 5.94 |   |
| I 26                          | IR2153-276-1-10-PR509      | 1.59    | 2.86   | 3.20    | 4.14    | 3.83    | 2.49    | 6.53    | 3.57    | 4.52    | 1.91    | 2.95    | 2.79    | 3.80 | 28    | 1.59 | 6.61 |   |
| I 27                          | SPR7284-57-5               | 2.28    | 2.68   | 2.22    | 3.55    | 4.69    | 4.82    | 6.82    | 4.87    | 5.02    | 1.89    | 2.89    | 2.54    | 3.93 | 24    | 1.89 | 6.82 |   |
| I 28                          | IR5953-118-5               | 2.12    | 2.74   | 2.59    | 5.14    | 2.54    | 5.74    | 6.03    | 4.66    | 5.16    | 3.28    | 3.40    | 3.32    | 4.13 | 20    | 2.12 | 6.03 |   |
| I 29                          | IR14753-120-3              | 2.44    | 2.68   | 3.97    | 4.28    | 3.68    | 7.54    | 7.07    | 5.49    | 5.47    | 2.26    | 3.89    | 2.16    | 4.47 | 7     | 2.16 | 7.54 |   |
| I 30                          | CICA 4 (TESTIGO)           | 2.68    | 2.03   | 3.05    | 3.43    | 2.29    | 1.37    | 6.97    | 4.58    | 4.59    | 1.07    | 1.07    | 1.56    | 3.19 | 30    | 1.07 | 6.97 |   |
| I 31                          | TESTIGO LOCAL <sup>b</sup> | 3.15    | 1.94   |         | 3.58    | 4.45    | 6.11    | 7.00    | 4.92    | 5.49    | 2.29    | 2.39    | 3.26    | 4.20 |       | 1.94 | 7.00 |   |
| I PROMEDIO GENERAL            |                            | I 2.75  | I 2.52   | I 3.36  | I 4.25  | I 3.49  | I 6.47  | I 6.38  | I 5.91  | I 4.86  | I 2.45  | I 3.11  | I 3.12  |      |       |      |      |   |
| I POSICION                    |                            | I 14    | I 15   | I 11    | I 7     | I 10    | I 1     | I 2     | I 3     | I 6     | I 16    | I 13    | I 12    |      |       |      |      |   |
| I COEFICIENTE DE VARIACION(%) |                            | I 20.13 | I 26.97  | I 14.06 | I 21.28 | I 26.26 | I 27.91 | I 12.86 | I 15.08 | I 12.46 | I 27.32 | I 13.60 | I 19.71 |      |       |      |      |   |
| I D.M.S. (5%)                 |                            | I 0.91  | I 1.11   | I 0.77  | I 1.49  | I 1.50  | I 2.95  | I 1.34  | I 1.45  | I 0.99  | I 1.09  | I 0.69  | I 1.01  |      |       |      |      |   |

a. VER NOMBRES DE LAS LOCALIDADES EN EL CUADRO 2.6  
 b. DIFERENTE EN CADA LOCALIDAD

CUADRO NO. 2.44 VIRAL-T 1932. VARIETADES TEMPRANAS  
 RENDIMIENTO (TON/HA) DEL GERMOPLASMA SEMBRADO EN SECANO FAVORECIDO  
 EN 13 LOCALIDADES DEL TROPICO

(CONTINUACION)

| I | I                             | I                          | I                                   | I      | I       | I       | I                    | I         | I           | I |
|---|-------------------------------|----------------------------|-------------------------------------|--------|---------|---------|----------------------|-----------|-------------|---|
| I | LINEA                         | I                          | NUMERO DE LA LOCALIDAD <sup>a</sup> |        |         |         | RENDIMIENTO (TON/HA) |           | I           | I |
| I | I                             | I                          | I                                   | I      | I       | I       | I                    | I         | I           | I |
| I | I                             | I                          | I                                   | I      | I       | I       | I                    | I         | I           | I |
| I | NO.                           | DESIGNACION                | 24                                  | 25     | 26      | 32      | PROM POSIC           | MIN - MAX | I           | I |
| I | I                             | I                          | I                                   | I      | I       | I       | I                    | I         | I           | I |
| I | 1                             | P2015F4-108-18-18          | 4.71                                | 6.35   | 4.88    | 3.74    | 4.34                 | 10        | 2.46 - 7.98 | I |
| I | 2                             | P2013F4-82-2-15            | 3.91                                | 6.42   | 4.91    | 3.12    | 4.16                 | 19        | 2.25 - 6.91 | I |
| I | 3                             | P2015F4-66-1-18            | 3.80                                | 5.98   | 6.11    | 4.33    | 4.33                 | 12        | 2.28 - 8.14 | I |
| I | 4                             | P2015F4-66-5-18            | 4.01                                | 6.34   | 5.59    | 4.19    | 4.44                 | 6         | 2.26 - 8.06 | I |
| I | 5                             | P2015F4-82-5-18            | 2.89                                | 7.33   | 4.82    | 4.23    | 4.34                 | 11        | 2.21 - 7.38 | I |
| I | 6                             | P2015F4-138-3-18           | 3.28                                | 5.55   | 4.72    | 3.45    | 4.27                 | 15        | 2.21 - 8.58 | I |
| I | 7                             | P2015F4-148-5-18           | 3.41                                | 5.79   | 4.04    | 3.49    | 3.83                 | 26        | 1.95 - 6.47 | I |
| I | 8                             | P2015F4-150-4-18           | 3.18                                | 5.66   | 4.19    | 2.86    | 3.97                 | 22        | 2.36 - 7.12 | I |
| I | 9                             | P2020F4-46-2-14            | 3.93                                | 5.64   | 5.25    | 4.72    | 4.65                 | 5         | 2.33 - 8.24 | I |
| I | 10                            | CICA 8 (TESTIGO)           | 4.24                                | 6.17   | 5.74    | 5.5     | 4.94                 | 2         | 3.03 - 7.83 | I |
| I | 11                            | P2020F4-140-3-18           | 4.19                                | 5.83   | 4.88    | 4.81    | 4.53                 | 6         | 1.87 - 8.23 | I |
| I | 12                            | P2020F4-149-1-18           | 3.75                                | 5.81   | 5.07    | 5.14    | 4.76                 | 4         | 2.53 - 8.00 | I |
| I | 13                            | P2020F4-161-5-18           | 4.97                                | 6.17   | 5.56    | 5.52    | 5.03                 | 1         | 2.89 - 8.79 | I |
| I | 14                            | P2030F4-226-18-18          | 3.98                                | 5.37   | 3.18    | 2.97    | 3.85                 | 27        | 1.99 - 7.59 | I |
| I | 15                            | P2023F4-74-2-18            | 3.96                                | 6.77   | 4.39    | 4.21    | 4.25                 | 17        | 2.01 - 7.05 | I |
| I | 16                            | P2025F4-139-3-18           | 4.63                                | 6.53   | 6.13    | 3.92    | 4.31                 | 3         | 2.66 - 7.62 | I |
| I | 17                            | P2026F4-12-2-18            | 3.62                                | 6.12   | 5.85    | 3.60    | 3.94                 | 23        | 1.63 - 7.04 | I |
| I | 18                            | P2030F4-217-4-18           | 3.52                                | 6.02   | 4.75    | 3.25    | 4.30                 | 14        | 2.17 - 7.84 | I |
| I | 19                            | P2030F4-222-1-18           | 4.19                                | 6.06   | 4.31    | 1.99    | 4.04                 | 21        | 1.93 - 6.37 | I |
| I | 20                            | IR 43 (TESTIGO)            | 4.01                                | 5.34   | 5.85    | 4.64    | 4.38                 | 9         | 1.70 - 7.26 | I |
| I | 21                            | P2030F4-222-2-18           | 3.85                                | 6.09   | 3.69    | 2.58    | 3.90                 | 25        | 1.79 - 6.30 | I |
| I | 22                            | P2030F4-243-4-18           | 4.17                                | 4.42   | 5.99    | 4.69    | 4.23                 | 18        | 2.08 - 7.15 | I |
| I | 23                            | P2034F4-25-6-18            | 4.61                                | 5.22   | 4.91    | 4.92    | 4.31                 | 13        | 2.03 - 7.42 | I |
| I | 24                            | P1897-15-1-4-1-18-18       | 3.23                                | 4.42   | 2.89    | 2.43    | 3.41                 | 29        | 1.26 - 7.32 | I |
| I | 25                            | IR4422-98-3-5-1            | 4.92                                | 5.94   | 5.51    | 4.64    | 4.27                 | 16        | 2.35 - 5.94 | I |
| I | 26                            | IR2153-276-1-10-PR509      | 4.32                                | 5.23   | 6.61    | 4.25    | 3.80                 | 28        | 1.59 - 6.61 | I |
| I | 27                            | SPR7284-57-5               | 4.37                                | 5.36   | 4.75    | 4.03    | 3.93                 | 24        | 1.89 - 6.82 | I |
| I | 28                            | IR5353-118-5               | 3.31                                | 5.84   | 5.26    | 5.04    | 4.13                 | 20        | 2.12 - 6.03 | I |
| I | 29                            | IR14753-120-3              | 4.82                                | 6.90   | 4.43    | 4.40    | 4.47                 | 7         | 2.16 - 7.54 | I |
| I | 30                            | CICA 4 (TESTIGO)           | 4.17                                | 3.34   | 4.36    | 4.46    | 3.19                 | 30        | 1.07 - 6.97 | I |
| I | 31                            | TESTIGO LOCAL <sup>b</sup> | 4.63                                | 5.70   | 4.60    | 3.45    | 4.20                 |           | 1.94 - 7.00 | I |
| I | I                             | I                          | I                                   | I      | I       | I       | I                    | I         | I           | I |
| I | I PROMEDIO GENERAL            |                            | I 4.02                              | I 5.84 | I 4.98  | I 4.09  | I                    | I         | I           | I |
| I | I POSICION                    |                            | I 9                                 | I 4    | I 5     | I 8     | I                    | I         | I           | I |
| I | I COEFICIENTE DE VARIACION(%) |                            | I 16.43                             | I 6.86 | I 22.78 | I 10.96 | I                    | I         | I           | I |
| I | I D.M.S. (5%)                 |                            | I 1.08                              | I 0.65 | I 1.85  | I 0.73  | I                    | I         | I           | I |

a. VER NOMBRES DE LAS LOCALIDADES EN EL CUADRO 2.0

b. DIFERENTE EN CADA LOCALIDAD

CUADRO NO. 2.45 VIRAL-T, 1982. VARIETADES TEMPRANAS  
 RENDIMIENTO PROMEDIO (TON/HA) E INDICE DE ADAPTABILIDAD DE SIEMBRAS  
 EN RIEGO EN 13 LOCALIDADES DEL TROPICO

| LINEA | RENDIMIENTO (TON/HA) ENTRE LOCALIDADES | ADAPTABILIDAD                          | CORRELACION ENTRE RENDIMIENTO PROM. DE LOCALIDAD Y EL INDICE AMBIENTAL <sup>a</sup> |
|-------|--|--|---|
| NO.   | DESIGNACION                            | PROMEDIO MINIMO MAXIMO VARIANZA CV (%) | INDICE ERROR EST.   |
| 1     | P2015F4-108-1B-1B                      | 5.54 4.15 - 7.78 0.91 17.23            | 0.55 0.22   |
| 2     | P2013F4-82-2-1B                        | 5.58 3.48 - 8.32 1.62 22.79            | 0.79 0.28   |
| 3     | P2015F4-66-1-1B                        | 5.97 4.33 - 9.07 2.16 25.01            | 0.77 0.35   |
| 4     | P2015F4-60-5-1B                        | 5.98 3.71 - 8.67 1.80 22.43            | 0.54 0.35   |
| 5     | P2015F4-92-5-1B                        | 5.76 3.64 - 9.12 2.08 25.05            | 0.65 0.37   |
| 6     | P2015F4-138-3-1B                       | 5.73 3.23 - 8.06 1.95 24.35            | 0.57 0.36   |
| 7     | P2015F4-148-5-1B                       | 5.75 3.91 - 9.21 1.85 23.65            | 0.77 0.31   |
| 8     | P2015F4-150-4-1B                       | 5.75 3.46 - 8.62 2.28 26.23            | 0.82 0.36   |
| 9     | P2020F4-46-2-1B                        | 6.01 4.44 - 9.12 2.07 23.91            | 0.68 0.36   |
| 10    | CICA 8 (TESTIGO)                       | 6.02 3.59 - 9.76 2.92 28.38            | 0.81 0.43   |
| 11    | P2020F4-140-3-1B                       | 5.77 3.42 - 8.11 1.82 23.35            | 0.42 0.38   |
| 12    | P2020F4-149-1-1B                       | 5.91 3.23 - 8.82 2.56 27.10            | 0.74 0.40   |
| 13    | P2020F4-161-5-1B                       | 5.76 3.12 - 9.64 3.40 32.02            | 1.15 0.40   |
| 14    | P2030F4-220-1B-1B                      | 4.50 2.65 - 6.87 1.73 29.23            | 0.77 0.30   |
| 15    | P2023F4-74-2-1B                        | 5.22 3.02 - 8.31 2.22 28.52            | 0.34 0.42   |
| 16    | P2025F4-159-3-1B                       | 5.73 4.15 - 7.56 1.02 17.66            | 0.38 0.27   |
| 17    | P2025F4-12-2-1B                        | 5.09 3.15 - 7.85 2.00 27.00            | 0.24 0.40   |
| 18    | P2030F4-217-4-1B                       | 5.19 3.60 - 8.40 1.58 24.29            | 0.65 0.30   |
| 19    | P2030F4-222-1-1B                       | 5.22 3.68 - 7.95 1.01 19.22            | 0.24 0.28   |
| 20    | IR 43 (TESTIGO)                        | 5.05 2.25 - 9.32 3.72 32.97            | 0.92 0.48   |
| 21    | P2030F4-222-2-1B                       | 5.12 3.36 - 7.74 1.50 23.94            | 0.41 0.33   |
| 22    | P2030F4-243-4-1B                       | 5.42 2.97 - 7.27 1.34 21.35            | 0.38 0.31   |
| 23    | P2034F4-25-6-1B                        | 6.28 4.16 - 8.99 2.04 22.74            | 0.93 0.30   |
| 24    | PI897-15-1-4-1-1B-1B                   | 5.51 3.66 - 7.75 1.56 22.65            | 0.88 0.24   |
| 25    | IR4422-98-3-6-1                        | 5.53 3.64 - 6.75 0.77 15.87            | 0.62 0.20   |
| 26    | IR2153-276-1-10-PR509                  | 6.11 3.95 - 8.22 2.09 23.70            | 0.28 0.43   |
| 27    | SPR7284-57-5                           | 5.88 3.60 - 9.23 2.03 24.22            | 0.48 0.40   |
| 28    | IR5853-118-5                           | 6.17 3.42 - 8.50 2.01 22.99            | 0.41 0.41   |
| 29    | IR14753-120-3                          | 5.36 3.30 - 7.52 2.22 27.83            | 0.21 0.47   |
| 30    | CICA 4 (TESTIGO)                       | 5.94 4.63 - 8.39 1.11 17.77            | 0.44 0.29   |

a. INDICE AMBIENTAL DEFINIDO COMO EL RENDIMIENTO PROMEDIO DEL TESTIGO LOCAL, EN CADA SITIO

CUADRO NO. 2.46 VIRAL-T , 1982. VARIETADES TEMPRANAS  
 RENDIMIENTO PROMEDIO (TON/HA) E INDICE DE ADAPTABILIDAD DE SIEMBRAS  
 EN SECANO FAVORECIDO EN 16 LOCALIDADES DEL TROPICO

| LINEA                    | RENDIMIENTO (TON/HA) ENTRE LOCALIDADES | ADAPTABILIDAD     | CORRELACION ENTRE RENDIMIENTO PROM. DE LOCALIDAD Y EL INDICE AMBIENTAL <sup>a</sup> |
|--------------------------|--|-------------------|---|
| NO. DESIGNACION          | PROMEDIO MINIMO MAXIMO VARIANZA CV (%) | INDICE ERROR EST. |   |
| 1 P2013F4-108-1B-1B      | 4.34 2.46 - 7.98 2.35 35.36            | 0.79 0.17         | 0.77  |
| 2 P2013F4-82-2-1B        | 4.16 2.25 - 6.91 1.74 31.68            | 0.69 0.15         | 0.78  |
| 3 P2015F4-66-1-1B        | 4.33 2.28 - 8.14 2.85 39.00            | 0.93 0.17         | 0.83  |
| 4 P2015F4-66-5-1B        | 4.44 2.26 - 8.06 2.79 37.64            | 0.99 0.14         | 0.89  |
| 5 P2015F4-82-5-1B        | 4.34 2.21 - 7.33 3.11 40.67            | 0.93 0.19         | 0.79  |
| 6 P2015F4-138-3-1B       | 4.27 2.21 - 8.50 3.37 42.96            | 1.02 0.18         | 0.83  |
| 7 P2015F4-148-5-1B       | 3.88 1.95 - 6.47 1.62 32.86            | 0.55 0.17         | 0.64  |
| 8 P2015F4-150-4-1B       | 3.97 2.36 - 7.12 1.78 33.68            | 0.71 0.14         | 0.80  |
| 9 P2020F4-46-2-1B        | 4.65 2.33 - 8.24 3.07 37.63            | 0.92 0.19         | 0.79  |
| 10 CICA 8 (TESTIGO)      | 4.94 3.03 - 7.83 2.47 31.79            | 0.85 0.17         | 0.81  |
| 11 P2020F4-140-3-1B      | 4.50 1.87 - 8.23 2.85 37.56            | 1.00 0.14         | 0.88  |
| 12 P2020F4-149-1-1B      | 4.76 2.53 - 8.00 2.43 32.80            | 0.85 0.16         | 0.81  |
| 13 P2020F4-161-5-1B      | 5.03 2.89 - 8.79 3.58 37.57            | 1.01 0.20         | 0.80  |
| 14 P2030F4-225-1B-1B     | 3.85 1.99 - 7.59 2.23 38.73            | 0.78 0.17         | 0.78  |
| 15 P2023F4-74-2-1B       | 4.25 2.01 - 7.05 2.06 33.80            | 0.76 0.16         | 0.79  |
| 16 P2025F4-199-3-1B      | 4.81 2.66 - 7.62 2.31 31.61            | 0.87 0.14         | 0.86  |
| 17 P2026F4-12-2-1B       | 3.94 1.63 - 7.04 2.72 41.89            | 0.96 0.15         | 0.87  |
| 18 P2030F4-217-4-1B      | 4.30 2.19 - 7.84 2.31 35.30            | 0.83 0.16         | 0.81  |
| 19 P2030F4-227-1-1B      | 4.04 1.93 - 6.37 2.32 37.69            | 0.89 0.13         | 0.88  |
| 20 IR 43 (TESTIGO)       | 4.38 1.70 - 7.26 2.58 36.67            | 0.97 0.12         | 0.90  |
| 21 P2030F4-222-2-1B      | 3.90 1.79 - 6.30 2.09 37.06            | 0.68 0.18         | 0.71  |
| 22 P2030F4-243-4-1B      | 4.23 2.08 - 7.15 2.72 39.00            | 0.96 0.14         | 0.87  |
| 23 P2034F4-25-6-1B       | 4.31 2.03 - 7.42 2.34 35.54            | 0.83 0.16         | 0.81  |
| 24 P1997-19-1-4-1-1B-1B  | 3.41 1.26 - 7.32 2.44 45.78            | 0.82 0.17         | 0.79  |
| 25 IR4422-98-3-5-1       | 4.27 2.35 - 5.94 1.42 27.88            | 0.64 0.13         | 0.81  |
| 26 IR2153-276-1-10-PR509 | 3.80 1.59 - 6.61 2.11 38.23            | 0.60 0.20         | 0.62  |
| 27 SPR7284-57-5          | 3.93 1.89 - 6.82 1.95 35.56            | 0.87 0.09         | 0.93  |
| 28 IR5053-118-5          | 4.13 2.12 - 6.03 1.80 32.45            | 0.65 0.17         | 0.72  |
| 29 IR14753-120-3         | 4.47 2.16 - 7.54 2.87 37.90            | 1.01 0.14         | 0.89  |
| 30 CICA 4 (TESTIGO)      | 3.19 1.07 - 6.97 2.63 50.61            | 0.69 0.22         | 0.63  |

a. INDICE AMBIENTAL DEFINIDO COMO EL RENDIMIENTO PROMEDIO DEL TESTIGO LOCAL, EN CADA SITIO

Cuadro 2.47 Rendimiento promedio (ton/ha) del germoplasma del VIRAL-T, 1982, sembrado en los ecosistemas de riego y secano favorecido en América Latina.

| Línea<br>no. | Designación             | Riego <sup>a</sup> / Rdto.(ton/ha) |          | Sec.Favorecido <sup>b</sup> / Rdto.(ton/ha) |          |
|--------------|-------------------------|------------------------------------|----------|---|----------|
|              |                         | Prom.                              | Posición | Prom.                                       | Posición |
| 1            | P 2015 F4-108-1B-1B     | 5.54                               | 20       | 4.34  | 10       |
| 2            | P 2013 F4-82-2-1B       | 5.58                               | 19       | 4.16  | 19       |
| 3            | P 2015 F4-66-1-1B       | 5.87                               | 10       | 4.33  | 12       |
| 4            | P 2015 F4-66-5-1B       | 5.98                               | 6        | 4.44  | 8        |
| 5            | P 2015 F4-82-5-1B       | 5.76                               | 13       | 4.34  | 11       |
| 6            | P 2015 F4-138-3-1B      | 5.73                               | 17       | 4.27  | 15       |
| 7            | P 2015 F4-148-5-1B      | 5.75                               | 16       | 3.88  | 26       |
| 8            | P 2015 F4-150-4-1B      | 5.75                               | 15       | 3.97  | 22       |
| 9            | P 2020 F4-46-2-1B       | 6.01                               | 5        | 4.65  | 5        |
| 10           | CICA 8 (Testigo)        | 6.02                               | 4        | 4.94  | 2        |
| 11           | P 2020 F4-140-3-1B      | 5.77                               | 12       | 4.50  | 6        |
| 12           | P 2020 F4-149-1-1B      | 5.91                               | 8        | 4.76  | 4        |
| 13           | P 2020 F4-161-5-1B      | 5.76                               | 14       | 5.03  | 1        |
| 14           | P 2030 F4-226-1B-1B     | 4.50                               | 30       | 3.85  | 27       |
| 15           | P 2023 F4-74-2-1B       | 5.22                               | 26       | 4.25  | 17       |
| 16           | P 2025 F4-159-3-1B      | 5.73                               | 18       | 4.81  | 3        |
| 17           | P 2026 F4-12-2-1B       | 5.09                               | 29       | 3.94  | 23       |
| 18           | P 2030 F4-217-4-1B      | 5.18                               | 27       | 4.30  | 14       |
| 19           | P 2030 F4-222-1-1B      | 5.22                               | 25       | 4.04  | 21       |
| 20           | IR 43 (Testigo)         | 5.85                               | 11       | 4.38  | 9        |
| 21           | P 2030 F4-222-2-1B      | 5.12                               | 28       | 3.90  | 25       |
| 22           | P 2030 F4-243-4-1B      | 5.42                               | 23       | 4.23  | 18       |
| 23           | P 2034 F4-25-6-1B       | 6.28                               | 1        | 4.31  | 13       |
| 24           | P 1897-15-1-4-1-1B-1B   | 5.51                               | 22       | 3.41  | 29       |
| 25           | IR 4422-98-3-6-1        | 5.53                               | 21       | 4.27  | 16       |
| 26           | IR 2153-276-1-10-PR 509 | 6.11                               | 3        | 3.80  | 28       |
| 27           | SPR 7284-57-5           | 5.88                               | 9        | 3.93  | 24       |
| 28           | IR 5853-118-5           | 6.17                               | 2        | 4.13  | 20       |
| 29           | IR 14753-120-3          | 5.36                               | 24       | 4.47  | 7        |
| 30           | CICA 4 (Testigo)        | 5.94                               | 7        | 3.19  | 30       |

a. Promedio de 13 localidades

b. Promedio de 16 localidades



VIRAL-T, 1982. VARIETADES TEMPRANAS  
 VARIETADES QUE OCUPARON LAS TRES PRIMERAS POSICIONES EN RENDIMIENTO  
 DEL GENMOPLASMA SEMBRADO EN 29 LOCALIDADES DE AMERICA LATINA

| I PAIS / ESTACION EXPERIMENTAL   | PRUEBA NO. | RENDIMIENTO (TON/HA) | VARIETADES O LINEAS        |                    |                         |
|----------------------------------|------------|----------------------|----------------------------|--------------------|-------------------------|
|                                  |            |                      | MINIMO-MAXIMO <sup>a</sup> | POSICION 1         | POSICION 2              |
| I COLOMBIA/CIAT                  | 1          | 4.79-5.44            | IR4422-98-3-6-1            | ORYZICAL (T.LOCAL) | IR14753-120-3           |
| I COLOMBIA/FINCA BELLACRUZ       | 3          | 2.61-5.49            | IR2151-276-1-10-PR509      | P2026F4-12-2-1B    | P2020F4-149-1-1B        |
| I MEXICO/CAMPO AGR. CHETUMAL     | 4          | 1.59-3.50            | P2020F4-46-2-1B            | P2020F4-149-1-1B   | P2030F4-222-2-1B        |
| I MEXICO/CAEVACU                 | 5          | 3.30-3.11            | P2015F4-66-1-1B            | P2015F4-138-3-1B   | P2015F4-66-5-1B         |
| I MEXICO/C.A.E. ISTMO DE TEHUANT | 7          | 3.39-7.05            | P2020F4-161-5-1B           | P2020F4-140-3-1B   | JUCHITAN A-74 (T.LOCAL) |
| I MEXICO/CAMPO AGR. HUINANGUILLO | 8          | 1.70-3.36            | CICA 8 (TESTIGO)           | P2015F4-150-4-1B   | P2034F4-25-6-1B         |
| I MEXICO/C.AGR. AUX. DE EBANO    | 10         | 3.02-9.32            | IR 43 (TESTIGO)            | SPR7284-57-5       | P2020F4-149-1-1B        |
| I MEXICO/CAMPO AGR. TECMAN       | 11         | 3.34-5.40            | SPR7284-57-5               | P2015F4-62-5-1B    | IR5853-118-5            |
| I MEXICO/CAMPO AGR. COLIMA       | 12         | 1.99-4.44            | CICA 8 (TESTIGO)           | P2015F4-103-1B-1B  | P2020F4-149-1-1B        |
| I BELICE/BLUE CREEK              | 13         | 3.73-6.26            | PI397-15-1-4-1-1B-1B       | P2015F4-150-4-1B   | IR14753-120-3           |
| I BELICE/SAN PEDRO COLUMBIA      | 14         | 3.01-5.53            | CICA 8 (TESTIGO)           | IR5853-118-5       | P2030F4-222-2-1B        |
| I GUATEMALA/CUYUTA               | 15         | 1.7-4.76             | P2015F4-66-5-1B            | SPR7284-57-5       | P2025F4-159-3-1B        |
| I GUATEMALA/LA CRISTINA          | 16         | 1.37-9.58            | P2015F4-138-3-1B           | P2020F4-161-5-1B   | P2020F4-46-2-1B         |
| I GUATEMALA/FINCA SEPUR          | 17         | 4.31-7.67            | P2020F4-161-5-1B           | P2034F4-25-6-1B    | P2020F4-149-1-1B        |
| I EL SALVADOR/SAN ANDRES         | 18         | 3.57-9.79            | P2020F4-161-5-1B           | P2020F4-46-2-1B    | CICA 8 (TESTIGO)        |
| I HONDURAS/GUAYMAS               | 19         | 3.78-5.85            | P2015F4-138-3-1B           | CICA 8 (TESTIGO)   | TESTIGO LOCAL           |
| I HONDURAS/CURLA                 | 20         | 1.07-4.04            | P2020F4-147-1-1B           | P2020F4-46-2-1B    | P2020F4-161-5-1B        |
| I PANAMA/CIAT                    | 22         | 1.07-3.97            | P2025F4-159-3-1B           | P2030F4-217-4-1B   | P2020F4-149-1-1B        |
| I PANAMA/CAMPO EXP. ALANJE       | 23         | 1.56-4.44            | P2025F4-159-3-1B           | P2030F4-217-4-1B   | P2013F4-82-2-1B         |
| I PANAMA/CHICHEBRE F-32          | 24         | 2.89-4.97            | P2020F4-161-5-1B           | IR4422-98-3-6-1    | IR14753-120-3           |
| I PANAMA/CEIACHI                 | 25         | 3.34-7.38            | P2015F4-82-5-1B            | IR14753-120-3      | P2023F4-74-2-1B         |
| I PANAMA/C.EXP. DE RIO HATO      | 26         | 2.89-6.61            | IR2153-276-1-10-PR509      | P2025F4-159-3-1B   | P2015F4-66-1-1B         |
| I PANAMA/EL COCO-PENONOME        | 27         | 4.16-6.31            | P2023F4-74-2-1B            | IR5853-118-5       | IR 43 (TESTIGO)         |
| I CUBA/ECIA                      | 28         | 3.34-6.77            | P2030F4-222-2-1B           | P2034F4-25-6-1B    | J-104 (T. LOCAL)        |
| I VENEZUELA/CALABUZO             | 30         | 2.25-5.07            | P2025F4-159-3-1B           | P2015F4-66-5-1B    | ARAURE-2 (T.LOCAL)      |
| I GUYANA/BLACK BUSH POLDER       | 31         | 4.25-7.38            | DIWANI (T.LOCAL)           | RUSTIC (T.LOCAL)   | P2020F4-161-5-1B        |
| I BOLIVIA/PURTACHUELO            | 32         | 1.99-5.54            | CICA 8 (TESTIGO)           | P2020F4-161-5-1B   | P2020F4-149-1-1B        |
| I PARAGUAY/CAMPO EXP. DE ARKOZ   | 33         | 4.73-7.53            | IR2153-276-1-10-PR509      | IR5853-118-5       | P2034F4-25-6-1B         |
| I ARGENTINA/INTA                 | 35         | 4.12-9.76            | CICA 3 (TESTIGO)           | P2020F4-161-5-1B   | P2015F4-148-5-1B        |

<sup>a</sup>. DE 31 LINEAS Y/O VARIETADES POR LOCALIDAD, INCLUYENDO TESTIGOS LOCALES

Cuadro 2.49 Características del grano en el germoplasma del VIRAL-T, 1982 <sup>a</sup>

| Línea no. | Designación             | Longitud de grano (mm) | Centro Blanco b | Temperatura gelatinización c | Rendimiento arroz excelso <sup>d</sup> % |
|-----------|-------------------------|------------------------|-----------------|------------------------------|--|
| 1         | P 2015 F4-108-1B-1B     | 7.0                    | 0.6             | I.A                          | 54.0                                     |
| 2         | P 2013 F4-82-2-1B       | 7.0                    | 0.6             | I.A                          | 54.0                                     |
| 3         | P 2015 F4-66-1-1B       | 7.0                    | 0.4             | I                            | 46.0                                     |
| 4         | P 2015 F4-66-5-1B       | 7.1                    | 0.2             | I                            | 44.0                                     |
| 5         | P 2015 F4-82-5-1B       | 7.0                    | 0.8             | I                            | 36.0                                     |
| 6         | P 2015 F4-138-3-1B      | 7.0                    | 0.4             | I.A                          | 44.0                                     |
| 7         | P 2015 F4-148-5-1B      | 6.1                    | 0.4             | I                            | 52.0                                     |
| 8         | P 2015 F4-150-4-1B      | 7.0                    | 0.4             | I                            | 51.0                                     |
| 9         | P 2020 F4-46-2-1B       | 7.0                    | 1.0             | I                            | 59.0                                     |
| 10        | CICA 8 (Testigo)        | 7.0                    | 0.8             | I                            | 53.0                                     |
| 11        | P 2020 F4-140-3-1B      | 7.0                    | 1.4             | I                            | 54.0                                     |
| 12        | P 2020 F4-149-1-1B      | 7.0                    | 1.4             | I                            | 54.0                                     |
| 13        | P 2020 F4-161-5-1B      | 7.0                    | 1.4             | I.A                          | 50.0                                     |
| 14        | P 2030 F4-226-1B-1B     | 7.0                    | 1.2             | B                            | 55.0                                     |
| 15        | P 2023 F4-74-2-1B       | 7.0                    | 0.6             | A.I                          | 51.0                                     |
| 16        | P 2025 F4-159-3-1B      | 7.0                    | 0.2             | I.A                          | 56.0                                     |
| 17        | P 2026 F4-12-2-1B       | 7.0                    | 0.8             | I                            | 47.0                                     |
| 18        | P 2030 F4-217-4-1B      | 6.8                    | 0.4             | A.I                          | 57.0                                     |
| 19        | P 2030 F4-222-1-1B      | 6.9                    | 0.6             | B                            | 54.0                                     |
| 20        | IR 43 (Testigo)         | 7.0                    | 0.4             | B                            | 56.0                                     |
| 21        | P 2030 F4-222-2-1B      | 6.9                    | 0.6             | B                            | 55.0                                     |
| 22        | P 2030 F4-243-4-1B      | 7.0                    | 0.6             | B                            | 52.0                                     |
| 23        | P 2034 F4-25-6-1B       | 7.0                    | 0.4             | I                            | 50.0                                     |
| 24        | P 1897-15-1-4-1-1B-1B   | 7.0                    | 0.8             | I                            | 57.0                                     |
| 25        | IR 4422-98-3-6-1        | 7.0                    | 1.4             | B                            | 46.0                                     |
| 26        | IR 2153-276-1-10-PR 509 | 7.2                    | 0.4             | I.B                          | 58.0                                     |
| 27        | SPR 7284-57-5           | 7.2                    | 0.6             | B                            | 63.0                                     |
| 28        | IR 5853-118-5           | 7.2                    | 0.4             | B                            | 47.0                                     |
| 29        | IR 14753-120-3          | 6.2                    | 0.4             | I                            | 53.0                                     |
| 30        | CICA 4 (Testigo)        | 7.0                    | 0.6             | I                            | 58.0                                     |

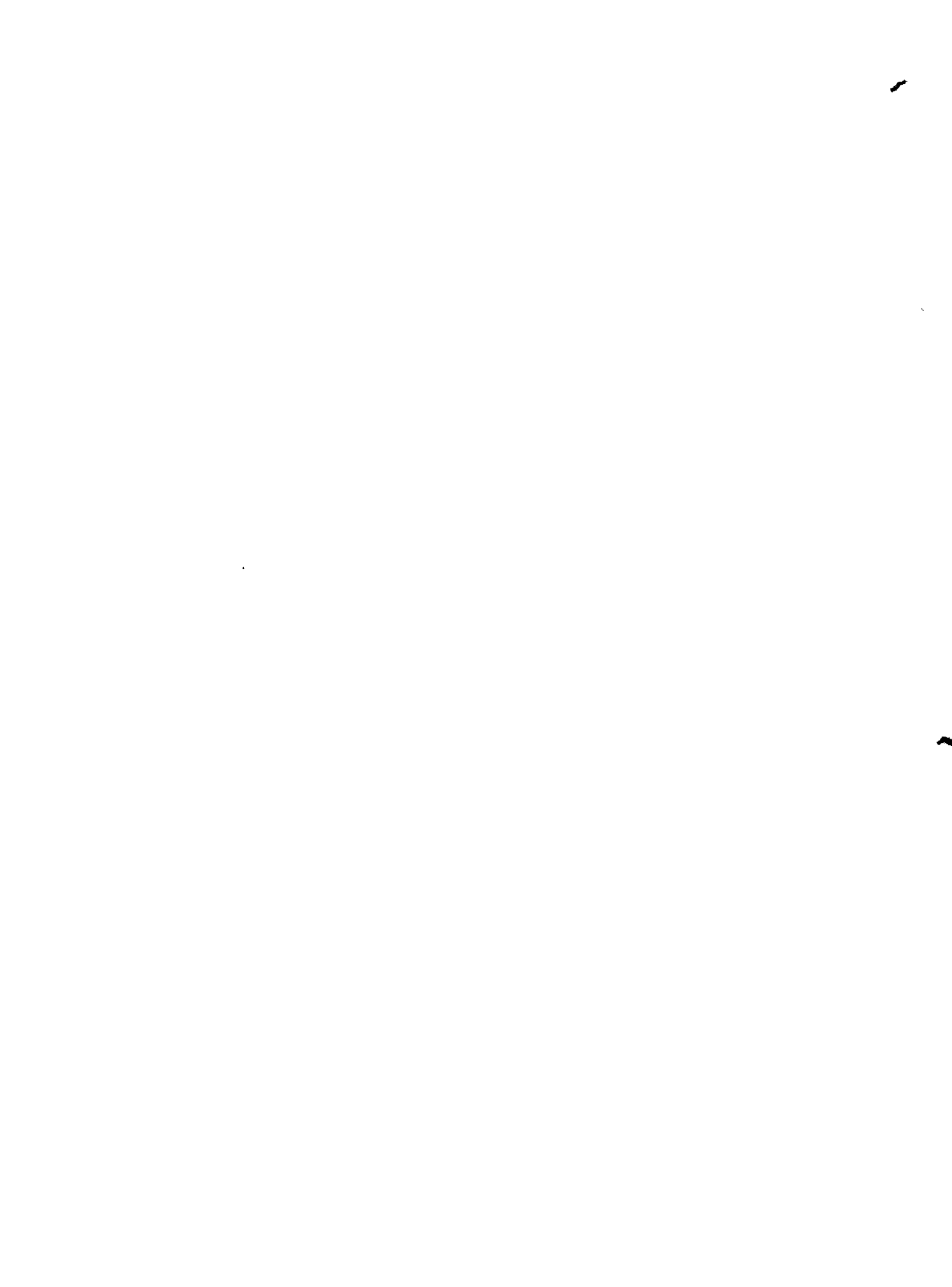
a. De la prueba efectuada en CIAT, Colombia

b. Centro blanco, escala 0-5: 0 = sin centro blanco, 5 = centro blanco cubre todo el grano

c. Temperatura de gelatinización: A = alta; I = intermedia; B = baja

d. Arroz blanco entero y 3/4 del tamaño, con base en 1 kg de arroz en cáscara.

**Quinto Vivero Internacional  
de Observación de Arroz  
para América Latina  
(VIOAL, 1982)**



## QUINTO VIVERO INTERNACIONAL DE OBSERVACIÓN DE

### ARROZ PARA AMÉRICA LATINA

(VIOAL, 1982)

El VIOAL, 1982, fue formado con 153 líneas promisorias, 49 del CIAT y el resto de varios viveros del IRTP de IRRI y CIAT distribuidos en 1981. Se incluyeron como variedades testigo a IR 50 e IR 36 (precoces), IR 43, CICA 4 y CICA 8 (tempranas) y a IR 42 (tardía). El nombre del germoplasma y origen se indican en el Cuadro 3.1. Se recomendó a los cooperadores sembrar este vivero en los ecosistemas de riego y/o secano favorecido, dependiendo del ecosistema que predomine en cada país.

El VIOAL, 1982, fue sembrado en 29 localidades de 16 países de la región (Cuadro 3.2), 13 en riego y 16 en secano favorecido (Cuadro 3.3).

Los datos de floración y rendimiento del germoplasma en 9 localidades de riego se presentan en los Cuadros 3.4 y 3.5, respectivamente.

En el Cuadro 3.6 se resumen las principales características del germoplasma para las 9 localidades de riego. Varias líneas (No. 2, 3, 4, 6, 8, 11, 12) con un ciclo de duración más corto o similar a IR 50 e IR 36, tuvieron un rendimiento superior a 5.0 ton/ha. Igualmente, entre el grupo de líneas con maduración intermedia, las líneas Nos. 59, 61, 62, 63, 65, 67, 69, 72, 73, 74, 87, 90 y 91 tuvieron un potencial de rendimiento similar a CICA 8 (5.9 ton/ha).

Para el ecosistema secano favorecido, se presentan en los Cuadros 3.7 y 3.8, los datos de floración y rendimiento obtenidos en 13 localidades.

En el Cuadro 3.9 se resumen las características de floración, incidencia de piriularia, altura de la planta, vuelco y rendimiento del germoplasma, observados en las 13 localidades de secano favorecido. Al igual que en el sistema de riego, varias líneas precoces e intermedias tuvieron un rendimiento de 4.0-5.0 ton/ha, similar al de las variedades testigo.

En varias localidades de secano favorecido la incidencia de enfermedades fue severa, lo cual permitió identificar varias líneas tolerantes a piriularia, escaldado de la hoja, manchado del grano y añublo de la vaina.

En el Cuadro 3.10 se indican las líneas resistentes a piricularia y al añublo de la vaina.

Entre las 153 líneas del VIOAL, 1982, 15 mostraron resistencia a piricularia y escaldado de la hoja (Cuadro 3.11).

Las líneas que fueron resistentes a piricularia y manchado de grano se indican en el Cuadro 3.12.

En el Cuadro 3.13 se indican las líneas que tuvieron tolerancia combinada a piricularia, añublo de la vaina, escaldado de la hoja y manchado del grano.

Cuadro 3.1 Germoplasma del Quinto Vivero Internacional de Observación de Arroz para América Latina (VIOAL, 1982)

| Línea no. | Designación                    | Cruce                                  | Origen    |
|-----------|--------------------------------|--|-----------|
| 1         | HAU 16-20-3                    | Pusa 2-21/Palman 246                   | India     |
| 2         | IR 19743-25-2-2-3-1            | IR 9129-192-2-3/IR 10176-79            | IRRI      |
| 3         | IR19746-28-2-2                 | IR 9129-192-2-3/IR 10183-7             | IRRI      |
| 4         | IR 19746-28-2-2-3              | IR 9129-192-2-3/IR 10183-7             | IRRI      |
| 5         | IR 19791-12-1-2-2-2            | IR 9703-41-3/IR 10176-79               | IRRI      |
| 6         | bknlr 75091-CNT-B 3-RST-40-1-3 | KDML 105/IR 2061                       | Tailandia |
| 7         | IR 19762-2-3-3                 | IR 9201-91-2-2/IR 10183-7              | IRRI      |
| 8         | IR 19743-25-2-2                | IR 9129-192-2-3/IR 10176-79            | IRRI      |
| 9         | IRI 356                        |  | Corea     |
| 10        | IR 19819-31-2-3                | IR 9715-4-2/IR 10176-79                | IRRI      |
| 11        | Suweon 287                     | IR 24*2/IR 747 B 2-6-3                 | Corea     |
| 12        | IR 15675-151-1-1               | B 995 D-SI-72/IR 747 B2//IR 2071-625-1 | IRRI      |
| 13        | SYE 304-1-4-17                 |  | India     |
| 14        | ECIA 31-18-11                  |  | Cuba      |
| 15        | IR 9828-91-2-3                 | IR 2071-559/IR 1820-52//IR 2071-625    | IRRI      |
| 16        | IR 15723-45-3-2                | DV 85/IR 2061-522//IR 2071-625-1-252   | IRRI      |
| 17        | IR 9761-19-1                   | IR 30/IR 2588-48-3//IR 36              | IRRI      |
| 18        | IR 13427-60-1-3-2-2            | IR 3403-267/PTB 33//IR 36              | IRRI      |
| 19        | IR 13240-108-2-2-3             | IR 305/Babawee//IR 2071-665-1-252      | IRRI      |
| 20        | IR 50 (Testigo)                |  | Filipinas |
| 21        | IR 13429-999-2-1-3             | IR 4432-53-33/PTB 33//IR 36            | IRRI      |
| 22        | IR 19058-107-1                 | Babawee/IR 7149-5-3//IR 36             | IRRI      |
| 23        | IR 13384-79-2                  | IR 2071-625-1-252/N 22//IR 2071-625-1  | IRRI      |
| 24        | IR 13429-196-1                 | IR 4432-53-33/PTB 33//IR 36            | IRRI      |
| 25        | IR 9698-16-3-3-2               | 73-1095/IR 1632-93-2-2//IR 36          | IRRI      |
| 26        | IR 13420-6-3-3-1               | IR 2863-38-1/2*IR 36                   | IRRI      |
| 27        | SKL 17-67-11                   | W 13400/WL 112                         | India     |
| 28        | 32-Wuan-5-D                    | IR 579-48-1-2/IR 747 B 2-6-3           | China     |
| 29        | IR 9846-145-3-3                | IR 2415-90-4/IR 30//IR 2071-625-1-252  | IRRI      |
| 30        | IR 9093-211-6                  | 73-1196/IR 30//IR 2071-625-1           | IRRI      |

Continúa.....

Cuadro 3.1 (Continuación)

| Línea no. | Designación                | Cruce                                 | Origen    |
|-----------|----------------------------|---------------------------------------|-----------|
| 31        | IR 11418-19-2-3            | IR 2863-38-1/IR 2058-78-1-3-2-3       | IRRI      |
| 32        | IR 19746-28-2-2            | IR 9129-192-2-3/IR 10183-7            | IRRI      |
| 33        | Línea observación 1        |                                       | IRRI      |
| 34        | IR 9224-225-2-3-3-2        | IR 2153-14-1-6-2/IR 28//IR 2070-625-1 | IRRI      |
| 35        | GZ 864-2-3-1               | IR 1561-228/IR 1529-274-2-3           | Egipto    |
| 36        | Palgwangbyeon (Suweon 284) | IR 2061/SR 814//IR 1319               | Corea     |
| 37        | C 1321-3                   | IR 36/C 4-63 (G)                      | Filipinas |
| 38        | 32-Xuan-5-C                | IR 579-48-1-2/IR 747 B 2-6-3          | China     |
| 39        | IR 9830-26-3-3             | IR 2071-625/Nam Sagui 19//IR 2071-625 | IRRI      |
| 40        | IR 36 (Testigo)            |                                       | Filipinas |
| 41        | IR 21931-67                | R.Heenati/IR 4432-53*3//IR 36         | IRRI      |
| 42        | BG 402-4                   | IR 790/IR 20//OB 678/BG 34-8          | Sri Lanka |
| 43        | BKN 7033-13-1-1-3-2        | Iratom 20/SPT 6624-113-2-3            | Tailandia |
| 44        | Chianung Sen Yu 13         | Kaohsiung Sen 12/IR 22                | Taiwan    |
| 45        | Taichung Sen Yu 285        | Tai Sen Shih 204/Tai Sen Shih 199     | Taiwan    |
| 46        | Mutant 842                 |                                       | India     |
| 47        | UPR 79-23                  |                                       | India     |
| 48        | IR 9782-111-2-1-2          | IR 1561-228-3-3/Nam Sagui 19//IR 36   | IRRI      |
| 49        | UPR 243-241-1              | N (10) B/IR 22                        | India     |
| 50        | IR 13240-82-2-3-2-3-1      | IR 30 S/Babawee//IR 36                | IRRI      |
| 51        | YR 2379-47-2-1             |                                       | Corea     |
| 52        | IR 5853-118-5              | Nam Sagui 19//IR 2071-88//IR 2061-214 | IRRI      |
| 53        | P 1358-5-19M-2-1B          | P 1220/P 1230                         | Colombia  |
| 54        | CP1C8                      | CICA 4/IR 24                          | Cuba      |
| 55        | IR 2307-247-2-2-3          | CR 94-13/IR 1561-228-3-3              | IRRI      |
| 56        | BR 171-2 B-8               | IR 442-2-50-2/Mala                    | B'desh    |
| 57        | B 2360-6-7-1-4             | IR 2180-2/IR 2178-1                   | Indonesia |
| 58        | B 2791 B-MR-257-3-2        | Pelita I/B 2709                       | Indonesia |
| 59        | IR 3262-3-338-5            | IR 22*2/Tetep                         | IRRI      |
| 60        | CICA 4 (Testigo)           |                                       | Colombia  |

Continúa...



Cuadro 3.1 (Continuación)

| Línea no. | Designación         | Cruce                                 | Origen    |
|-----------|---------------------|---------------------------------------|-----------|
| 61        | BR/IRGA 409         |                                       | Brasil    |
| 62        | IR 8192-200-3-3-1-1 | IR 2070-747/IR 2055-219//IR 2061-213  | IRRI      |
| 63        | IR 8073-65-6-1      | IR 4-11/IR 2035-290-2-3//IR 2153-26-3 | IRRI      |
| 64        | P 2053 F4-14-2-1B   | CICA 7//5461/CICA 4                   | Colombia  |
| 65        | P 2053 F4-26-4-1B   | CICA 7//5461/CICA 4                   | Colombia  |
| 66        | P 2053 F4-58-1-1B   | CICA 7//5461/CICA 4                   | Colombia  |
| 67        | P 2053 F4-77-4-1B   | CICA 7//5461/CICA 4                   | Colombia  |
| 68        | P 2053 F4-78-5-1B   | CICA 7//5461/CICA 4                   | Colombia  |
| 69        | P 2053 F4-81-5-1B   | CICA 7//5461/CICA 4                   | Colombia  |
| 70        | P 2053 F4-81-6-1B   | CICA 7//5461/CICA 4                   | Colombia  |
| 71        | P 2053 F4-88-2-1B   | CICA 7//5461/CICA 4                   | Colombia  |
| 72        | P 2053 F4-94-5-1B   | CICA 7//5461/CICA 4                   | Colombia  |
| 73        | P 2053 F4-99-4-1B   | CICA 7//5461/CICA 4                   | Colombia  |
| 74        | P 2053 F4-156-1-1B  | CICA 7//5461/CICA 4                   | Colombia  |
| 75        | P 2053 F4-169-8-1B  | CICA 7//5461/CICA 4                   | Colombia  |
| 76        | P 2057 F4-48-5-1B   | CICA 7//5461/4414                     | Colombia  |
| 77        | P 2056 F4-55-1-1B   | CICA 7//5461/4440                     | Colombia  |
| 78        | P 2057 F4-88-3-1B   | CICA 7//5461/4414                     | Colombia  |
| 79        | P 2058 F4-47-3-1B   | CICA 7//5461/IR 22                    | Colombia  |
| 80        | IR 43 (Testigo)     |                                       | Filipinas |
| 81        | P 2060 F4-2-5-1B    | CICA 7//IR 36/CICA 9                  | Colombia  |
| 82        | P 2060 F4-11-1-1B   | CICA 7//IR 36/CICA 9                  | Colombia  |
| 83        | P 2060 F4-11-7-1B   | CICA 7//IR 36/CICA 9                  | Colombia  |
| 84        | P 2060 F4-29-6-1B   | CICA 7//IR 36/CICA 9                  | Colombia  |
| 85        | P 2060 F4-49-1-1B   | CICA 7//IR 36/CICA 9                  | Colombia  |
| 86        | P 2060 F4-49-4-1B   | CICA 7//IR 36/CICA 9                  | Colombia  |
| 87        | P 2060 F4-38-1-1B   | CICA 7//IR 36/CICA 9                  | Colombia  |
| 88        | P 2067 F4-85-3-1B   | 5461/IR 22//IR 36/CICA 9              | Colombia  |
| 89        | P 2068 F4-72-7-1B   | 5461/4440//IR 36/CICA 7               | Colombia  |
| 90        | P 2068 F4-116-2-1B  | 5461/4440//IR 36/CICA 7               | Colombia  |

Continúa...

Cuadro 3.1 (Continuación)

| Línea No. | Designación         | Cruce                                 | Origen    |
|-----------|---------------------|---------------------------------------|-----------|
| 91        | P 2181 F4-40-1B-1B  | 4440//BG 90-2/IR 22                   | Colombia  |
| 92        | P 2182 F4-39-1B-1B  | 4440//BG 90-2/Pelita 1/1              | Colombia  |
| 93        | P 2182 F4-49-1B-1B  | 4440//BG 90-2/Pelita 1/1              | Colombia  |
| 94        | P 2189 F4-64-1B-1B  | 4440//BG 90-2/Bahagia                 | Colombia  |
| 95        | P 2190 F4-47-1B-1B  | 4468//BG 90-2/Ca 902/b/3/3            | Colombia  |
| 96        | P 2192 F4-30-1B-1B  | CICA 7//BG 90-2/K 8                   | Colombia  |
| 97        | P 2192 F4-37-1B-1B  | CICA 7//BG 90-2/K 8                   | Colombia  |
| 98        | P 2193 F4-22-1B-1B  | 4440//BG 90-2/K 8                     | Colombia  |
| 99        | P 2193 F4-140-1B-1B | 4440//BG 90-2/K 8                     | Colombia  |
| 100       | CICA 8 (Testigo)    |                                       | Colombia  |
| 101       | P 2217 F4-19-1B     | CICA 7//4440/Remadja                  | Colombia  |
| 102       | P 2217 F4-45-1B     | CICA 7//4440/Remadja                  | Colombia  |
| 103       | P 2217 F4-1-1B      | CICA 7//4440/Remadja                  | Colombia  |
| 104       | P 2217 F4-2-1B      | CICA 7//4440/Remadja                  | Colombia  |
| 105       | P 2217 F4-24-1B     | CICA 7//4440/Remadja                  | Colombia  |
| 106       | P 2217 F4-28-1B     | CICA 7//4440/Remadja                  | Colombia  |
| 107       | P 2217 F4-44-1B     | CICA 7//4440/Remadja                  | Colombia  |
| 108       | P 2217 F4-57-1B     | CICA 7//4440/Remadja                  | Colombia  |
| 109       | P 2217 F4-67-1B     | CICA 7//4440/Remadja                  | Colombia  |
| 110       | P 2217 F4-83-1B     | CICA 7//4440/Remadja                  | Colombia  |
| 111       | P 2201 F4-64-1B     | CICA 4//BG 90-2/S.M.L.56/7            | Colombia  |
| 112       | P 2201 F4-87-1B     | CICA 4//BG 90-2/S.M.L.56/7            | Colombia  |
| 113       | P 2205 F4-14-1B     | BG 90-2//4440/Colombia 1              | Colombia  |
| 114       | P 2220 F4-28-1B     | BG 94-1//4440/Remadja                 | Colombia  |
| 115       | P 2017 F4-18-1B-1B  | CICA 4//BG 90-2/CICA 7                | Colombia  |
| 116       | IR 14632-22-3       | IR 44/IR 46                           | IRRI      |
| 117       | IR 1529-Ecia        | Sigadis*2/TN 1//IR 24                 | Cuba      |
| 118       | IR 9846-23-2        | IR 2415-90-4/IR 30//IR 2071-625-1-252 | IRRI      |
| 119       | Taichung Sen 10     | Tai.Sen Yu 204/Chianung Sen Yu 14     | Taiwan    |
| 120       | IR 42 (Testigo)     |                                       | Filipinas |

Continúa...

Cuadro 3.1 (Continuación)

| Línea no. | Designación           | Cruce                                  | Origen    |
|-----------|-----------------------|--|-----------|
| 121       | IR 3262-3-9-4-5       | IR 22*2/Tetep                          | IRRI      |
| 122       | BG 374-1              | BG 66-1/IR 20                          | Sri Lanka |
| 123       | Chianung Sen 25       | Chianung Sen Yu 13/IR 1614-138-3       | Taiwan    |
| 124       | Chainung Sen Yu 23    | Hebi 611330//Chian Sen Yu 7/IR 1561    | Taiwan    |
| 125       | IR 11248-13-2-3       | IR 2071-586-5-6-3/IR 2415-49-6-1-2     | IRRI      |
| 126       | CR 261-7039-236       | Jayanti/IET 3144                       | India     |
| 127       | P 1369-4-16 M-1-2M-4  | P 1220/P 1224                          | Colombia  |
| 128       | P 2030 F4-188-1B-1B   | CICA 4//4440/CICA 7                    | Colombia  |
| 129       | P 2025 F4-159-1B-1B   | CICA 4//CICA 9/CICA 7                  | Colombia  |
| 130       | IR 8192-31-2-1-2      | IR 2070-747/IR 2055-219//IR 2061-213   | IRRI      |
| 131       | P 2020 F4-46-1B-1B    | 4440/BG 90-2/Tetep                     | Colombia  |
| 132       | Línea observación 2   |  | Colombia  |
| 133       | P 2023 F4-16-1B-1B    | BG 90-2//4440/CICA 7                   | Colombia  |
| 134       | P 2023 F4-53-1B-1B    | BG 90-2//4440/CICA 7                   | Colombia  |
| 135       | BW 170                | Patuwee/I-1                            | Sri Lanka |
| 136       | IR 9846-215-3         | IR 2415-90-4/IR 30//IR 2071-625-1-252  | IRRI      |
| 137       | IR 13419-113-1        | IR 2863-38-1/IR 42//IR 36              | IRRI      |
| 138       | P 1397-4-9M-3-3M-3    | P 1221/P 1260                          | Colombia  |
| 139       | IR 11248-148-3-2-3-3  | IR 42/IR 2415-49-6-1-2                 | IRRI      |
| 140       | CICA 8 (Testigo)      |  | Colombia  |
| 141       | IR 17492-18-6-1-1-3-3 | R.Heenati/3*IR 3403-267-1              | IRRI      |
| 142       | IR 3351-38-3-1        | IR 841-85-1-1-2/IR 1917-3-17//CR 94-13 | IRRI      |
| 143       | CR 1002               | CR 70-80-2/Pankaj                      | India     |
| 144       | P 2020 F4-160-1B-1B   | 4440//BG 90-2/Tetep                    | Colombia  |
| 145       | B 2360-2-3-1-9-5      | IR 2180-2/IR 2178-1                    | Indonesia |
| 146       | IR 4427-315-2-3       | IR 2055-451-2/IR 2061-464-4            | IRRI      |
| 147       | A 15-100-1-3-1        |  | China     |
| 148       | CIAT-ICA 5            | CICA 4//IR 665-23-3-1/Tetep            | Colombia  |
| 149       | P 2020 F4-5-1B-1B     | 4440//BG 90-2/Tetep                    | Colombia  |
| 150       | IR 9852-53-2          | IR 2562-68/IR 2588//IR 2071-625        | IRRI      |

Continúa...

Cuadro 3.1 (Continuación)

| Línea no. | Designación                | Cruce                   | Origen    |
|-----------|----------------------------|-------------------------|-----------|
| 151       | IR 34'75-G 2 CO-CNT 84-1-1 | IR 34 Irradiated mutant | Tailandia |
| 152       | B 2360-2-3-1-9-1           | IR 2180-2/IR 2178-1     | Indonesia |
| 153       | P 2030 F4-82-1B-1B         | CICA 4//4440/CICA 7     | Colombia  |
| 154       | IR 10781-75-3-2-2          | BG 90-2 /IR 2863-38-1   | IRRI      |
| 155       | P 2019 F4-118-1B-1B        | BG 90-2//4420/CICA 9    | Colombia  |
| 156       | IR 11288-B-B-445-1         | IR 36/LMN 111           | IRRI      |
| 157       | P 1383-8-11M-3-1B          | P 1221/P 1231           | Colombia  |
| 158       | P 2030 F4-58-1B-1B         | CICA 4//4440/CICA 7     | Colombia  |
| 159       | P 2030 F4-232-1B-1B        | CICA 4//4440/CICA 7     | Colombia  |
| 160       | Chinese (Testigo)          |                         | Kenya     |

Cuadro 3.2 Localidades en donde se sembró el Quinto Vivero Internacional de Observación de Arroz para América Latina (VIOAL, 1982)

| Prueba no. | País        | Localidad           | Estación Experimental/Cooperador  | Lat.   | Long.   | Altitud (msnm) |
|------------|-------------|---------------------|---|--------|---------|----------------|
| 1          | Colombia    | Palmira             | CIAT/Manuel J. Rosero-Luis E. Berrío-Jenny S. Gaona                       | 3-31N  | 76-20W  | 1000           |
| 2          | Colombia    | Villavicencio       | ICA-La Libertad/Ernesto Andrade-Alberto Dávalos                           | 4-03N  | 73-29W  | 336            |
| 3          | México      | Villaflores         | CHIAPAS/Arnulfo Castro  | 16-03N | 92-51W  | 575            |
| 4          | México      | Chetumal            | Chetumal/Homero Quintero  | 18-31N | 88-29W  | 25             |
| 5          | México      | Culiacán            | CAEVACU/Salvador Medina   | 24-36N | 107-27W | 38             |
| 6          | México      | Campeche            | YOHALTUN/N.N.   | 19-00N | 90-00W  | 50             |
| 7          | México      | La Laguna           | Hermanos Cedillo/Comisión del Papaloapan Uxpanapa                         | 17-17N | 94-45W  | 130            |
| 8          | Belice      | Punta Gorda         | Blue Creek/P.G. Lee-P. Victorin   | 16-00N | 89-00W  | 20             |
| 9          | Guatemala   | Cuyuta              | Cuyuta/W.R. Pazos-O.R. García-R.C. Díaz                                   | 14-07N | 90-52W  | 48             |
| 10         | Guatemala   | Izabal              | Cristina/W.R. Pazos-C. Alburez-R.C. de la Cruz                            | 15-17N | 89-02W  | 69             |
| 11         | Guatemala   | Panzos              | Finca Sepur/W.R. Pazos-E. Barrientos-J. Fuentes                           | 15-30N | 89-30W  |                |
| 12         | El Salvador | Arce                | San Andrés/Luis Alberto Guerrero  | 13-48N | 89-24W  | 460            |
| 13         | El Salvador | Santa Cruz Porrillo | Santa Cruz Porrillo/Luis Alberto Guerrero                                 | 13-26N | 88-48W  | 30             |
| 14         | Honduras    | El Progreso         | Guaymas/Rolando Rubí  | 15-30N | 87-48W  | 60             |
| 15         | Costa Rica  | Cañas               | E.J.N./José Murillo   | 10-20N | 85-08W  | 12             |
| 16         | Nicaragua   | Tecolostote         | Altamira/Alberto Quintanilla  | 12-22N | 85-39W  | 50             |
| 17         | Panamá      | Tocumen             | CEIAT/Ezequiel Espinosa-Ariel Jaen  | 9-23N  | 79-23W  | 10             |
| 18         | Panamá      | Alanje              | Campo Exp. Alanje/Delia María Jiménez                                     | -      | -       | -              |
| 19         | Panamá      | Chepo               | Chichebre/Rolando Lasso   | 9-08N  | 79-08W  | 3              |
| 20         | Panamá      | David               | CEIACHI/Samuel Lezcana-Ezequiel Espinosa                                  | 8-20N  | 82-20W  | 15             |
| 21         | Cuba        | Bauta               | ECIA/Bertalina Leyva-Pedro Julio Gomez                                    | -      | -       | -              |
| 22         | Venezuela   | Araure              | Araure/Anibal Rodríguez   | 9-32N  | 69-12W  | 200            |
| 23         | Venezuela   | Calabozo            | Calabozo/Alberto Sañih  | 8-56N  | 67-25W  | 100            |
| 24         | Guyana      | Demerara            | Mards Rice Research Station/Jeff C.H. Wang-Lomas<br>Tulsieram-D. Pitamber | 6-27N  | 57-45W  | 0              |
| 25         | Guyana      | Corentyne           | Black Bush Polder/Jeff C.H. Wang-Lomas<br>Tulsieram-D. Pitamber           | 6-10N  | 57-15W  | 0              |
| 26         | Bolivia     | Santa Cruz          | Portachuelo/Programa Arroz CIAT   | 17-20S | 63-25W  | 260            |
| 27         | Paraguay    | Eusebio Ayala       | Campo Exp. de Arroz/Jorge E. Rodas  | -      | -       | -              |
| 28         | Uruguay     | Treinta y Tres      | Est. Exp. del Este/Nicolás Chebataroff                                    | 33-00S | 52-00W  | 30             |
| 29         | Argentina   | Corrientes          | INTA/Jetter-Miranda-Marín   | 27-39S | 58-46W  | 56             |

Cuadro 3.3 Información sobre época de siembra y prácticas de cultivo del Quinto Vivero Internacional de Observación de Arroz para América Latina (VIOAL, 1982)

| rueba<br>Nº | Fecha de<br>siembra | Precipitación |      | Fertilización (kg/ha) |    |    | Sistema de cultivo | Protección<br>contra<br>insectos | Insectos   | Enfermedades                   |
|-------------|---------------------|---------------|------|-----------------------|----|----|--------------------|----------------------------------|--|--------------------------------|
|             |                     | Días          | mm   | N                     | P  | K  |                    |                                  |  |                                |
| 1           | Febrero 5/82        | 70            | 626  | 100                   | -  | -  | Riego-transplante  | Necesaria                        | <i>Hydrellia sp.</i> , <i>Oebalus poecilus</i>   | BI, LSc, HB, GID               |
| 2           | Mayo 20/82          |               |      | 120                   | 52 | 75 | Riego              |                                  | <i>Euethola bidentata</i>  |                                |
| 3           | Julio 6/82          |               |      | 80                    | 26 | -  | Secano favorecido  | Necesaria                        |  |                                |
| 4           | Julio 1/82          | 45            | 768  | 90                    | 22 | -  | Secano favorecido  | Ninguna                          |  | BS, NBLS, LSc                  |
| 5           | Julio 19/82         | 36            | 455  | 300                   | -  | -  | Riego              | Necesaria                        |  | BS                             |
| 6           | Julio 29/82         |               | 245  | 46                    | 40 | -  | Secano favorecido  |                                  |  | BL, NBL, LSc,<br>NBLS, BS      |
| 7           | Julio 2/82          | 113           | 2380 | 60                    | 31 | -  | Secano favorecido  | Ninguna                          | Mosca pinta, salivazo, tijerilla,<br>chinche café, gusano trozador,<br>grillo  | LSc, BS, BL, MO,<br>GID        |
| 8           | Julio 20/82         |               |      | 30                    | 9  | -  | Riego-transplante  |                                  |  | BL, ShB, BS, LSc,<br>NBL, NBLS |
| 9           | Junio 2/82          | 74            | 1186 | 120                   | 13 | 25 | Secano favorecido  | Necesaria                        | <i>Tibraca sp.</i> , <i>Spodoptera frugi-<br/>perda</i> , <i>Hortensia similis</i>   | BS, LSc, GID                   |
| 10          | Junio 1/82          | 85            | 1745 | 40                    | 26 | -  | Secano favorecido  | Necesaria                        |  | NBL, LSc, BL, BS               |
| 11          | Junio 1/82          | 117           | 1853 | 64                    | 26 | 17 | Secano favorecido  | Necesaria                        | <i>Blissus leucopteros</i> , <i>Oebalus sp.</i>  | BS, LSc, BL                    |
| 12          | Junio 29/82         | 77            | 1139 | 109                   | 23 | -  | Secano favorecido  | Necesaria                        |  | NBL                            |
| 13          | Julio 1/82          | 62            | 1052 | 109                   | 23 | -  | Secano favorecido  | Necesaria                        |  | BL, NBL                        |
| 14          | Julio 8/82          | 96            | 1252 | 105                   | 22 | 21 | Secano favorecido  | Necesaria                        | <i>Oebalus sp.</i>   | BL                             |
| 15          | Julio 7/82          | 76            | 851  | 73                    | 9  | 5  | Secano favorecido  | Ninguna                          |  | LSc, ShR, BS, BL,<br>ShB       |
| 16          | Abril 21/82         | 51            | 746  | 145                   | 26 | 3  | Riego              | Necesaria                        | <i>Oebalus poecilus</i>  | BL                             |
| 17          | Junio 20/82         | 77            | 852  | 80                    | 17 | 17 | Secano favorecido  | Necesaria                        | Pulgones, chinches   | ShB, LSc, BS, GID              |
| 18          | Mayo 28/82          |               |      | 90                    | 17 | 21 | Secano favorecido  | Ninguna                          | Sogatodes  | BL, ShB, LSc, BS               |
| 19          | Junio 17/82         | 90            | 1026 | 99                    | -  | -  | Secano favorecido  | Ninguna                          |  | ShB, NBL, Hb                   |
| 20          | Julio 2/82          | 83            | 1320 | 100                   | 22 | 21 | Secano favorecido  | Ninguna                          |  | BL, NBL, LSc                   |
| 21          | Agosto 2/82         |               |      | 120                   | 50 | 62 | Riego              | Ninguna                          | <i>Caulopsis cuspidatus</i>  | BL                             |
| 22          | Mayo 19/82          |               |      | 80                    | 26 | -  | Riego              | Ninguna                          |  | BL, BS, LSc, Hb                |
| 23          | Agosto 27/82        | 36            | 1522 | 138                   | 20 | 38 | Riego              | Necesaria                        | Chinches   | BL, Hb                         |
| 24          | Enero 29/83         | 91            | 768  | 120                   | 13 | -  | Riego              | Necesaria                        | <i>Hydrellia sp.</i> , <i>Spodoptera sp.</i> ,<br><i>Rupella albinella</i> , <i>Diatraea<br/>saccharalis</i> , <i>Oebalus poecilus</i> |                                |

Continúa...

Cuadro 3.3 (Continuación)

| Prueba<br>Nº | Fecha de<br>siembra | Precipitación |      | Fertilización (kg/ha) |    |    | Sistema de cultivo | Protección<br>contra<br>Insectos | Insectos   | Enfermedades     |
|--------------|---------------------|---------------|------|-----------------------|----|----|--------------------|----------------------------------|--|------------------|
|              |                     | Días          | mm   | N                     | P  | K  |                    |                                  |  |                  |
| 25           | Enero 21/83         | 42            | 722  | 60                    | 13 | -  | Riego              | Necesaria                        | <i>Hydrellia sp.</i> , <i>Spodoptera sp.</i> ,<br><i>Rupella albinella</i> , <i>Diatraea</i><br><i>saccharalis</i> , <i>Oebalus poecilus</i> |                  |
| 26           | Nov.1/82            | 70            | 1161 | 80                    | 17 | 25 | Secano favorecido  | Necesaria                        | <i>Spodoptera sp.</i> , <i>Diatraea sp.</i> ,<br>Chinches, saltamontes   | LSc, BS, BL      |
| 27           | Dic.27/82           |               |      | 50                    | 26 | -  | Riego              |                                  | <i>Oebalus poecilus</i> , <i>spodoptera sp.</i>  | BL, BS, ShB, LSc |
| 28           | Dic.1/82            | 46            | 623  | 80                    | 33 | -  | Riego              | Necesaria                        |  | ShB              |
| 29           | Nov. 18/82          | 57            | 1251 | -                     | -  | -  | Riego              | Ninguna                          |  | ShB, BB          |

Cuadro 3.4 Días a floración del germoplasma del Quinto Vivero Internacional de Observación de arroz para América Latina (VIOAL, 1982), sembrado en 9 localidades de riego.

| Línea no. | Número de localidad <sup>a</sup> / Floración (días) |    |    |    |    |     |    |    |         |       |
|-----------|---|----|----|----|----|-----|----|----|---------|-------|
|           | 1   | 2  | 5  | 16 | 22 | 23  | 24 | 25 | Min-Max | Prom. |
| 1         | 77  | 80 | 76 | 81 | 90 | 81  | 68 | 66 | 66- 90  | 77    |
| 2         | 84  | 77 | -  | 72 | 90 | 81  | 82 | 77 | 77- 90  | 80    |
| 3         | 81  | 76 | -  | 67 | 90 | 81  | 75 | 72 | 67- 90  | 77    |
| 4         | 81  | 76 | -  | 67 | 90 | 81  | 71 | 72 | 67- 90  | 77    |
| 5         | 82  | 76 | 73 | 67 | 90 | 81  | 75 | 72 | 67- 90  | 77    |
| 6         | 86  | 77 | 75 | 72 | 85 | 81  | 71 | 72 | 71- 86  | 77    |
| 7         | 86  | 76 | 73 | 67 | 90 | 81  | 76 | 72 | 67- 90  | 78    |
| 8         | 87  | 76 | 73 | 72 | 95 | 81  | 74 | 77 | 72- 95  | 79    |
| 9         | 87  | 80 | -  | 82 | 90 | 81  | 82 | 78 | 78- 90  | 83    |
| 10        | 85  | 78 | 73 | 67 | 85 | 81  | 71 | 72 | 67- 85  | 77    |
| 11        | 89  | 80 | 77 | 76 | 90 | 84  | 78 | 78 | 76- 90  | 82    |
| 12        | 92  | 83 | 78 | 76 | 90 | 85  | 78 | 78 | 76- 92  | 83    |
| 13        | 90  | 82 | 82 | 81 | 95 | 91  | 75 | 74 | 74- 95  | 84    |
| 14        | 92  | 81 | 76 | 84 | 95 | 100 | 91 | 84 | 76-100  | 88    |
| 15        | 98  | 85 | 86 | 81 | 95 | 100 | 85 | 80 | 80-100  | 89    |
| 16        | 92  | 82 | 87 | 78 | 90 | 97  | 88 | -  | 78- 97  | 88    |
| 17        | 89  | 78 | 94 | 69 | 85 | 96  | 85 | 77 | 69- 96  | 84    |
| 18        | 90  | 80 | 73 | 69 | 90 | 96  | 83 | 79 | 69- 96  | 83    |
| 19        | 91  | 79 | 82 | 76 | 90 | 96  | 85 | 79 | 76- 96  | 85    |
| 20        | 92  | 80 | 75 | 71 | 90 | 94  | 78 | 77 | 71- 94  | 82    |
| 21        | 96  | 92 | -  | 81 | 90 | 94  | 85 | 74 | 74- 96  | 87    |
| 22        | 94  | 88 | 83 | 77 | 90 | 94  | 83 | 72 | 72- 94  | 85    |
| 23        | 94  | 89 | 86 | 79 | 85 | 94  | 84 | 74 | 74- 94  | 86    |
| 24        | 94  | 89 | 83 | 76 | 85 | 96  | 84 | 74 | 74- 96  | 85    |
| 25        | 96  | 95 | 93 | 85 | 90 | 96  | 86 | 72 | 72- 96  | 89    |
| 26        | 99  | 92 | 85 | 86 | 85 | 100 | 91 | 77 | 77-100  | 89    |
| 27        | 91  | 90 | 83 | 77 | 90 | 96  | 79 | 69 | 69- 96  | 84    |
| 28        | 93  | 95 | 92 | 81 | 90 | 96  | 86 | 77 | 77- 96  | 89    |
| 29        | 93  | 87 | 80 | 78 | 85 | 96  | 91 | 77 | 77- 96  | 86    |
| 30        | 92  | 93 | 86 | 77 | 90 | 96  | 85 | 74 | 74- 96  | 87    |

Continúa...



Cuadro 3.4 (Continuación)

| Línea<br>no. | Número de localidad <sup>a</sup> / Floración (días) |     |     |     |    |     |     |     | Min-Max | Prom. |
|--------------|---|-----|-----|-----|----|-----|-----|-----|---------|-------|
|              | 1   | 2   | 5   | 16  | 22 | 23  | 24  | 25  |         |       |
| 31           | 90  | 82  | 79  | 74  | 85 | 94  | 84  | 77  | 74- 94  | 83    |
| 32           | 91  | 79  | 80  | 78  | 90 | 93  | 91  | 72  | 72- 93  | 84    |
| 33           | 92  | 82  | 80  | 77  | 90 | 96  | 86  | 72  | 72- 96  | 84    |
| 34           | 96  | 88  | 79  | 79  | 85 | 96  | 86  | 72  | 72- 96  | 85    |
| 35           | 90  | 81  | 77  | 74  | 85 | 96  | 88  | 72  | 72- 96  | 83    |
| 36           | 93  | 90  | -   | 74  | 90 | 96  | 86  | 72  | 72- 96  | 86    |
| 37           | 91  | 80  | 88  | 73  | 85 | 98  | 86  | 69  | 69- 98  | 84    |
| 38           | 98  | 88  | 92  | 81  | 90 | 96  | 86  | 72  | 72- 98  | 88    |
| 39           | 101   | 91  | 92  | 96  | 90 | 103 | 98  | 85  | 85-103  | 95    |
| 40           | 95  | 88  | 82  | 77  | 95 | 112 | 86  | 72  | 72-112  | 88    |
| 41           | 95  | 88  | 82  | 79  | 90 | 98  | 86  | 80  | 79- 98  | 87    |
| 42           | 96  | 91  | 80  | 83  | 90 | 98  | 86  | 83  | 80- 98  | 88    |
| 43           | 103   | 91  | 82  | 77  | 95 | 102 | 83  | 78  | 77-103  | 89    |
| 44           | 99  | 88  | 97  | 82  | 90 | 101 | 83  | 81  | 81-101  | 90    |
| 45           | 100   | 88  | 94  | 77  | 90 | 101 | 83  | 88  | 77-101  | 90    |
| 46           | 92  | 90  | 85  | 85  | 90 | 101 | 81  | 74  | 74-101  | 87    |
| 47           | 101   | 101 | 97  | 83  | 85 | 100 | 86  | 78  | 78-101  | 91    |
| 48           | 96  | 90  | 82  | 80  | 90 | 100 | 81  | 80  | 80-100  | 87    |
| 49           | 95  | 88  | 87  | 81  | 90 | 101 | 86  | 83  | 81-101  | 89    |
| 50           | 94  | 85  | -   | 85  | 85 | 101 | 91  | 87  | 85-101  | 90    |
| 51           | 94  | 85  | -   | 67  | 90 | 101 | 71  | 77  | 67-101  | 84    |
| 52           | 99  | 100 | 94  | 86  | 90 | 101 | 86  | 86  | 86-101  | 93    |
| 53           | 92  | 95  | 100 | 109 | 85 | 101 | 94  | 90  | 85-109  | 96    |
| 54           | 97  | 89  | 82  | 75  | 90 | 100 | 86  | 84  | 75-100  | 88    |
| 55           | 96  | 90  | 87  | 85  | 95 | 101 | 88  | 88  | 85-101  | 91    |
| 56           | 104   | 100 | 94  | 85  | 90 | 101 | 94  | 90  | 85-104  | 95    |
| 57           | 103   | 98  | 112 | 103 | 90 | 107 | 98  | 97  | 90-112  | 101   |
| 58           | 105   | 99  | -   | 107 | 90 | 107 | 103 | 100 | 90-107  | 102   |
| 59           | 102   | 98  | 99  | 97  | 85 | 107 | 94  | 92  | 85-107  | 97    |
| 60           | 102   | 98  | 95  | 87  | 90 | 103 | 94  | 92  | 87-103  | 95    |

Continúa...

Cuadro 3.4 (Continuación)

| Línea<br>no. | Número de localidad <sup>a</sup> / Floración (días) |     |     |     |    |     |     |     | Min-Max | Prom. |
|--------------|---|-----|-----|-----|----|-----|-----|-----|---------|-------|
|              | 1   | 2   | 5   | 16  | 22 | 23  | 24  | 25  |         |       |
| 61           | 98  | 85  | 91  | 82  | 90 | 102 | 91  | 90  | 82-102  | 91    |
| 62           | 102   | 92  | 102 | 93  | 90 | 107 | 91  | -   | 90-107  | 97    |
| 63           | 101   | 91  | 94  | 90  | 90 | 107 | 96  | 92  | 90-107  | 95    |
| 64           | 100   | 90  | 99  | 96  | 85 | 105 | 94  | 91  | 85-105  | 95    |
| 65           | 103   | 90  | 102 | 97  | 90 | 106 | 94  | 90  | 90-106  | 97    |
| 66           | 103   | 85  | 94  | 85  | 90 | 101 | 91  | -   | 85-103  | 93    |
| 67           | 109   | 90  | 96  | 92  | 90 | 107 | 91  | 92  | 90-109  | 96    |
| 68           | 101   | 92  | 92  | 90  | 85 | 101 | 86  | 88  | 85-101  | 92    |
| 69           | 107   | 85  | 97  | 95  | 90 | 107 | 94  | 90  | 85-107  | 96    |
| 70           | 107   | 90  | 102 | 96  | 90 | 108 | 94  | 94  | 90-108  | 98    |
| 71           | 105   | 89  | 96  | 98  | 85 | 108 | 94  | 90  | 85-108  | 97    |
| 72           | 104   | 90  | 100 | 101 | 90 | 108 | 94  | 92  | 90-108  | 97    |
| 73           | 106   | 91  | 99  | 102 | 90 | 108 | 94  | 97  | 90-108  | 98    |
| 74           | 105   | 88  | 97  | 92  | 90 | 104 | 94  | 88  | 88-105  | 95    |
| 75           | 107   | 100 | 102 | 101 | 85 | 108 | 106 | 94  | 85-108  | 100   |
| 76           | 107   | 98  | 98  | 87  | 85 | 111 | 106 | 94  | 85-111  | 98    |
| 77           | 100   | 88  | 94  | 99  | 90 | 105 | 98  | 90  | 88-105  | 96    |
| 78           | 103   | 90  | 100 | 101 | 90 | 107 | 98  | 97  | 90-107  | 98    |
| 79           | 99  | 87  | 92  | 101 | 85 | 104 | 88  | 84  | 84-104  | 93    |
| 80           | 102   | 98  | 102 | 88  | 90 | 108 | 94  | 90  | 90-108  | 97    |
| 81           | 105   | 95  | 108 | 101 | 90 | 110 | 94  | 94  | 90-110  | 100   |
| 82           | 108   | 93  | 105 | 102 | 90 | 111 | 94  | 97  | 90-111  | 100   |
| 83           | 107   | 90  | 103 | 98  | 85 | 111 | 98  | 97  | 85-111  | 99    |
| 84           | 103   | 96  | 102 | 101 | 90 | 109 | 98  | 99  | 90-109  | 100   |
| 85           | 103   | 97  | 101 | 98  | 90 | 109 | 91  | 97  | 90-109  | 98    |
| 86           | 103   | 95  | 101 | 98  | 90 | 106 | 94  | 97  | 90-106  | 98    |
| 87           | 101   | 90  | 87  | 86  | 90 | 104 | 94  | 94  | 86-104  | 93    |
| 88           | 108   | 96  | 102 | 96  | 85 | 111 | 94  | 99  | 85-111  | 99    |
| 89           | 107   | 100 | 116 | 107 | 90 | 111 | 103 | 105 | 90-116  | 105   |
| 90           | 102   | 90  | 87  | 82  | 90 | 107 | 86  | 94  | 82-107  | 92    |

Continúa....

Cuadro 3.4 (Continuación)

| Línea<br>no. | Número de localidad <sup>a</sup> / Floración (días) |     |     |     |    |     |     |     | Min-Max | Prom. |
|--------------|---|-----|-----|-----|----|-----|-----|-----|---------|-------|
|              | 1   | 2   | 5   | 16  | 22 | 23  | 24  | 25  |         |       |
| 91           | 113   | 90  | 99  | 89  | 95 | 114 | 91  | 99  | 89-114  | 99    |
| 92           | 114   | 95  | 113 | 93  | 90 | 114 | 98  | 102 | 90-114  | 102   |
| 93           | 114   | 100 | 108 | 92  | 90 | 110 | 100 | 102 | 90-114  | 102   |
| 94           | 115   | 92  | 111 | 96  | 95 | 114 | 100 | 102 | 92-115  | 103   |
| 95           | 115   | 95  | 95  | 93  | 90 | 114 | 94  | 101 | 90-115  | 100   |
| 96           | 113   | 98  | 108 | 96  | 90 | 109 | 106 | 102 | 90-113  | 103   |
| 97           | 114   | 98  | 110 | 112 | 85 | 111 | 100 | 108 | 85-114  | 105   |
| 98           | 111   | 98  | 102 | 93  | 90 | 110 | 98  | 108 | 90-111  | 101   |
| 99           | 107   | 98  | 89  | 87  | 85 | 109 | 94  | 98  | 85-109  | 96    |
| 100          | 111   | 98  | 94  | 90  | 90 | 109 | 94  | 98  | 90-111  | 98    |
| 101          | 110   | 101 | 109 | 112 | 90 | 110 | 103 | 104 | 90-112  | 105   |
| 102          | 110   | 101 | 108 | 114 | 90 | 108 | 103 | 106 | 90-114  | 105   |
| 103          | 111   | -   | 97  | 101 | 85 | 108 | 100 | -   | 85-111  | 100   |
| 104          | 113   | 101 | 108 | 112 | 90 | 112 | 107 | 102 | 90-113  | 106   |
| 105          | 114   | -   | 108 | 112 | 85 | 112 | 107 | 104 | 85-114  | 106   |
| 106          | 111   | 100 | 91  | 84  | 85 | 106 | 88  | -   | 85-111  | 95    |
| 107          | 116   | 100 | 108 | 110 | 85 | 111 | 110 | 102 | 85-116  | 105   |
| 108          | 113   | 101 | 94  | 90  | 90 | 108 | 94  | 94  | 90-113  | 98    |
| 109          | 111   | 101 | 102 | 105 | 90 | 108 | 103 | 102 | 90-111  | 103   |
| 110          | 105   | 100 | 99  | 89  | 90 | 102 | 100 | 95  | 89-105  | 98    |
| 111          | 110   | 101 | 106 | 87  | 85 | 107 | 98  | 97  | 85-110  | 99    |
| 112          | 110   | 100 | 108 | 84  | 85 | 107 | 98  | 97  | 84-110  | 99    |
| 113          | 107   | 101 | 105 | 91  | 90 | 107 | 98  | 97  | 90-107  | 100   |
| 114          | 107   | 100 | 101 | 99  | 90 | 106 | 103 | 102 | 90-107  | 101   |
| 115          | 108   | 100 | 97  | 90  | 90 | 106 | 91  | 97  | 90-108  | 97    |
| 116          | 110   | 100 | -   | 96  | 90 | 106 | 106 | 99  | 90-110  | 101   |
| 117          | 105   | 100 | 94  | 91  | 85 | 106 | 98  | 95  | 85-106  | 97    |
| 118          | 109   | 100 | 114 | 98  | 90 | 106 | 98  | 97  | 90-114  | 102   |
| 119          | 102   | 97  | 87  | 76  | 95 | 106 | 91  | -   | 76-106  | 93    |
| 120          | 118   | 102 | 116 | 118 | 90 | 115 | 110 | 104 | 90-118  | 109   |

Continúa....

Cuadro 3.4 (Continuación)

| Línea<br>no. | Número de localidad <sup>a</sup> / Floración (días) |     |     |     |    |     |     |     | Min-Max | Prom. |
|--------------|---|-----|-----|-----|----|-----|-----|-----|---------|-------|
|              | 1   | 2   | 5   | 16  | 22 | 23  | 24  | 25  |         |       |
| 121          | 106   | 100 | 96  | 88  | 90 | 109 | 88  | 87  | 87-109  | 96    |
| 122          | 107   | 100 | 99  | 90  | 90 | 108 | 94  | 94  | 90-108  | 98    |
| 123          | 106   | 101 | 103 | 102 | 90 | 108 | 94  | 91  | 90-108  | 99    |
| 124          | 104   | 102 | 99  | 88  | 85 | 108 | 94  | 91  | 85-108  | 96    |
| 125          | 105   | 98  | 98  | 91  | 90 | 109 | 98  | 91  | 90-109  | 98    |
| 126          | 107   | 100 | 98  | 90  | 90 | 109 | 91  | 94  | 90-109  | 97    |
| 127          | 108   | -   | 96  | 93  | 90 | 110 | 91  | 95  | 90-110  | 98    |
| 128          | 106   | 105 | 99  | 93  | 95 | 108 | 94  | 99  | 93-108  | 100   |
| 129          | 109   | 103 | 108 | 101 | 90 | 110 | 103 | 97  | 90-110  | 103   |
| 130          | 107   | 100 | 119 | 98  | 90 | 109 | 100 | 94  | 90-119  | 102   |
| 131          | 112   | -   | 100 | 92  | 90 | 111 | 86  | 82  | 82-112  | 96    |
| 132          | 109   | 103 | 99  | 92  | 90 | 108 | 100 | 97  | 90-109  | 100   |
| 133          | 106   | -   | 99  | 91  | 95 | 110 | 98  | 94  | 91-110  | 99    |
| 134          | 110   | 100 | 108 | 96  | 90 | 110 | 103 | 99  | 90-110  | 102   |
| 135          | 111   | 100 | 102 | 97  | 85 | 110 | 98  | 99  | 85-111  | 100   |
| 136          | 110   | 99  | 100 | 85  | 90 | 110 | 100 | 96  | 85-110  | 99    |
| 137          | 110   | 100 | -   | 102 | 90 | 110 | 107 | 99  | 90-110  | 103   |
| 138          | 112   | -   | 109 | 96  | 95 | 112 | 103 | 99  | 95-112  | 104   |
| 139          | 105   | 97  | 100 | 91  | 95 | 111 | 100 | 105 | 91-111  | 101   |
| 140          | 112   | 100 | -   | 90  | 95 | 113 | 100 | 98  | 90-113  | 101   |
| 141          | 110   | 97  | 96  | 91  | 90 | 113 | 103 | 98  | 90-113  | 100   |
| 142          | 110   | 104 | 119 | 110 | 85 | 113 | 116 | 110 | 85-119  | 108   |
| 143          | 111   | 102 | 115 | 107 | 90 | 113 | 110 | 108 | 90-115  | 107   |
| 144          | 112   | -   | 99  | 93  | 90 | 114 | 100 | 99  | 90-114  | 101   |
| 145          | 114   | -   | 123 | 110 | 90 | 114 | 103 | 76  | 90-123  | 104   |
| 146          | 111   | 100 | 102 | 108 | 85 | 113 | 103 | 99  | 85-113  | 103   |
| 147          | 108   | 100 | 100 | 96  | 90 | 113 | 94  | 97  | 90-113  | 100   |
| 148          | 112   | 102 | 108 | 96  | 85 | 116 | 103 | 99  | 85-116  | 103   |
| 149          | 112   | -   | 100 | 93  | 95 | 116 | 98  | 94  | 93-116  | 101   |
| 150          | 112   | 98  | 108 | 102 | 90 | 116 | 110 | 104 | 90-116  | 105   |

Continúa....

Cuadro 3.4 (Continuación)

| Línea<br>no. | Número de localidad <sup>a</sup> / Floración (días) |     |     |     |    |     |     |     | Min-Max | Prom. |
|--------------|---|-----|-----|-----|----|-----|-----|-----|---------|-------|
|              | 1   | 2   | 5   | 16  | 22 | 23  | 24  | 25  |         |       |
| 151          | 111   | 98  | 116 | 110 | 95 | 116 | 110 | 99  | 95-116  | 107   |
| 152          | 111   | -   | 117 | 112 | 95 | 116 | 110 | 99  | 95-117  | 109   |
| 153          | 113   | 100 | 116 | 122 | 90 | 116 | 116 | 110 | 90-122  | 110   |
| 154          | 111   | 98  | 108 | 99  | 95 | 116 | 107 | 99  | 95-116  | 104   |
| 155          | 108   | 95  | 92  | 90  | 90 | 120 | 107 | 98  | 90-120  | 100   |
| 156          | 117   | -   | 121 | 122 | 95 | 120 | 115 | 106 | 95-122  | 114   |
| 157          | 115   | -   | 108 | 122 | 85 | 120 | 115 | 107 | 85-122  | 110   |
| 158          | 112   | 100 | 101 | 98  | 90 | 120 | 100 | 103 | 90-120  | 103   |
| 159          | 112   | 95  | 95  | 97  | 90 | 120 | 98  | 104 | 90-120  | 101   |
| 160          | 110   | 95  | -   | 96  | 95 | 108 | 91  | -   | 91-110  | 99    |
| 161          | -   | 89  | 102 | 90  | 90 | 108 | 83  | 81  |         |       |

a. Ver nombre de las localidades en el cuadro 3.2

Cuadro 3.5 Rendimiento (ton/ha) del germoplasma del Quinto Vivero Internacional de Observación de Arroz para América Latina (VIOAL, 1982), sembrado en 9 localidades en condiciones de riego.

| Línea no. | Número de localidad <sup>a</sup> / Rendimiento (ton/ha) <sup>b</sup> |     |     |     |     |     |     |     |     | Min-Max | Prom. |
|-----------|--|-----|-----|-----|-----|-----|-----|-----|-----|---------|-------|
|           | 1  | 2   | 5   | 8   | 16  | 22  | 23  | 24  | 25  |         |       |
| 1         | 4.2  | -   | -   | 4.4 | 5.4 | 2.8 | -   | 3.2 | 5.6 | 2.8-5.6 | 4.26  |
| 2         | 5.9  | 2.4 | -   | 0   | 6.8 | -   | 5.6 | 3.9 | 6.9 | 2.4-6.9 | 5.25  |
| 3         | 5.8  | 3.3 | -   | 6.3 | 6.5 | -   | 4.6 | 3.5 | 6.8 | 3.3-6.8 | 5.26  |
| 4         | 6.0  | 2.3 | -   | 5.8 | 6.8 | -   | 5.6 | 4.2 | 7.3 | 2.3-7.3 | 5.43  |
| 5         | 5.6  | 1.8 | 4.8 | 4.8 | 6.6 | -   | 4.2 | 3.9 | 6.1 | 1.8-6.6 | 4.73  |
| 6         | 5.9  | 3.0 | 5.3 | 5.7 | 6.9 | -   | 4.7 | 3.3 | 5.8 | 3.0-6.9 | 5.08  |
| 7         | 4.3  | 2.4 | 2.8 | 5.3 | 6.6 | 4.2 | 4.4 | 2.7 | 6.8 | 2.4-6.8 | 4.39  |
| 8         | 5.2  | 3.2 | 5.6 | 6.4 | 7.0 | -   | 4.9 | 3.8 | 7.3 | 3.2-7.3 | 5.43  |
| 9         | 5.2  | 2.7 | -   | -   | 6.4 | 6.3 | 2.9 | 4.7 | 8.0 | 2.7-8.0 | 5.17  |
| 10        | 4.7  | 2.1 | 2.5 | 3.0 | 6.5 | 5.2 | 4.1 | 3.8 | 5.8 | 2.1-6.5 | 4.19  |
| 11        | 5.1  | 1.6 | 5.2 | 5.6 | 7.4 | 5.8 | 5.2 | 3.7 | 7.1 | 1.6-7.4 | 5.19  |
| 12        | 4.8  | 2.6 | 5.8 | 5.7 | 6.4 | 6.2 | 4.3 | 3.8 | 6.1 | 2.6-6.4 | 5.08  |
| 13        | 5.2  | 2.5 | 7.4 | 5.0 | 7.1 | 4.6 | 3.6 | 4.8 | 7.5 | 2.5-7.5 | 5.30  |
| 14        | 5.5  | 4.3 | -   | 6.2 | 5.4 | 4.9 | 3.4 | 3.8 | 6.9 | 3.4-6.9 | 5.05  |
| 15        | 4.3  | 4.2 | 3.7 | 5.4 | 6.8 | 5.7 | 3.2 | 4.0 | 8.2 | 3.2-8.2 | 5.06  |
| 16        | 4.9  | 3.7 | 3.6 | -   | 6.7 | 5.4 | 5.6 | 3.9 | -   | 3.6-6.7 | 4.83  |
| 17        | 5.0  | 3.1 | -   | 4.8 | 6.3 | 4.4 | 2.6 | 4.8 | 7.7 | 3.1-7.7 | 4.84  |
| 18        | 5.5  | 2.2 | -   | 4.7 | 7.0 | 5.1 | 1.9 | 4.5 | 7.9 | 1.9-7.9 | 4.85  |
| 19        | 5.5  | 2.5 | 8.7 | 5.3 | 8.1 | 5.8 | 2.1 | 5.4 | 7.6 | 2.1-8.7 | 5.67  |
| 20        | 4.7  | 1.8 | 4.9 | 4.9 | 7.3 | 3.5 | 3.1 | 5.7 | 8.3 | 1.8-8.3 | 4.91  |
| 21        | 4.7  | 3.6 | -   | -   | 7.3 | 5.7 | 4.3 | 4.2 | 6.5 | 3.6-7.3 | 5.19  |
| 22        | 4.8  | 3.8 | -   | 5.0 | 7.9 | 7.1 | 2.7 | 3.8 | 7.1 | 2.7-7.9 | 5.28  |
| 23        | 4.3  | 2.4 | 6.1 | 5.5 | 6.2 | -   | 5.0 | 4.0 | 6.5 | 2.4-6.5 | 5.00  |
| 24        | 5.3  | 2.4 | -   | 5.2 | 6.9 | -   | 2.8 | 4.2 | 7.3 | 2.4-7.3 | 4.87  |
| 25        | 5.4  | 2.1 | -   | 6.6 | 6.5 | 6.3 | 5.1 | 4.6 | 6.1 | 2.1-6.6 | 5.34  |
| 26        | 5.1  | 2.7 | -   | 5.8 | 7.3 | 6.8 | 3.9 | 3.9 | 6.8 | 2.7-7.3 | 5.29  |
| 27        | 4.7  | 2.7 | -   | 5.0 | 8.0 | -   | 3.8 | 4.2 | 6.6 | 2.7-8.0 | 5.00  |
| 28        | 4.7  | 2.4 | -   | 6.9 | 8.0 | 7.0 | 3.3 | 4.4 | 6.6 | 2.4-8.0 | 5.41  |
| 29        | 4.2  | 2.8 | 4.6 | 6.7 | 7.6 | 4.2 | 3.9 | 5.0 | 7.1 | 2.8-7.6 | 5.13  |
| 30        | 4.5  | 1.6 | 4.5 | 6.0 | 7.8 | 8.1 | 2.5 | 4.6 | 7.3 | 1.6-8.1 | 5.21  |

Continúa...

Cuadro 3.5 (Continuación)

| Línea<br>no. | Número de localidad <sup>a</sup> / Rendimiento (ton/ha) <sup>b</sup> |     |     |     |     |     |     |     |     | Min-Max | Prom. |
|--------------|--|-----|-----|-----|-----|-----|-----|-----|-----|---------|-------|
|              | 1  | 2   | 5   | 8   | 16  | 22  | 23  | 24  | 25  |         |       |
| 31           | 5.7  | 3.2 | 7.1 | 6.0 | 7.9 | 7.1 | 3.9 | 4.3 | 7.0 | 3.2-7.9 | 5.80  |
| 32           | 4.3  | 3.1 | 2.2 | 5.5 | 6.6 | 3.4 | 2.7 | -   | 7.0 | 2.2-7.0 | 4.35  |
| 33           | 6.0  | 3.5 | 4.6 | 5.4 | 6.8 | 4.4 | 3.4 | 3.2 | 7.1 | 3.2-7.1 | 4.93  |
| 34           | 7.0  | 4.0 | 5.4 | 4.9 | 7.8 | -   | 4.0 | 5.2 | 9.8 | 4.0-7.8 | 5.76  |
| 35           | 7.0  | 3.6 | 3.2 | 4.5 | 7.0 | -   | 5.2 | 4.2 | 7.0 | 2.2-7.0 | 5.21  |
| 36           | 6.8  | 3.2 | -   | 5.3 | 6.0 | -   | 3.5 | 3.1 | 6.8 | 3.1-6.8 | 4.96  |
| 37           | 4.7  | 3.5 | -   | 4.6 | 6.5 | -   | 4.6 | 3.3 | 6.8 | 3.3-6.8 | 4.86  |
| 38           | 6.5  | 4.4 | -   | 4.4 | 7.2 | 7.5 | 3.8 | 4.6 | 6.6 | 3.8-7.5 | 5.63  |
| 39           | 6.2  | 3.6 | 5.5 | 3.5 | 5.8 | -   | 2.4 | 2.6 | 6.7 | 2.4-6.7 | 4.54  |
| 40           | 5.7  | 4.2 | 3.2 | 5.2 | 7.5 | 5.5 | 3.1 | 4.5 | 6.7 | 3.1-7.5 | 5.07  |
| 41           | 5.3  | 3.8 | 4.6 | 4.2 | 7.4 | 5.0 | 3.9 | 4.5 | 6.5 | 3.8-7.4 | 5.02  |
| 42           | 6.6  | 2.2 | 8.8 | 5.6 | 7.1 | -   | 5.1 | 4.6 | 7.4 | 2.2-8.8 | 5.93  |
| 43           | 6.6  | 2.8 | 5.5 | 4.4 | 7.1 | -   | 3.9 | 4.0 | 6.4 | 2.8-7.1 | 5.09  |
| 44           | 5.9  | 2.8 | -   | 5.3 | 7.1 | 5.4 | 1.8 | 3.8 | 5.9 | 1.8-7.1 | 4.75  |
| 45           | 5.1  | 3.6 | -   | 4.7 | 7.9 | 5.4 | 3.7 | 4.3 | 6.0 | 3.6-7.9 | 5.09  |
| 46           | 7.1  | 3.6 | -   | 5.2 | 7.1 | 6.9 | 3.4 | 4.2 | 6.2 | 3.4-7.1 | 5.46  |
| 47           | 7.2  | 2.5 | -   | 5.6 | 7.3 | 5.8 | 4.6 | 4.1 | 4.0 | 2.5-7.3 | 5.14  |
| 48           | 5.6  | 2.9 | 4.3 | 5.9 | 7.6 | -   | -   | 4.0 | 6.5 | 2.9-7.6 | 5.23  |
| 49           | 6.7  | 3.4 | 5.4 | 5.5 | 7.7 | -   | 4.2 | 4.4 | 5.5 | 3.4-7.7 | 5.35  |
| 50           | 5.8  | 2.1 | -   | -   | 8.4 | -   | 3.7 | 4.9 | 7.3 | 2.1-8.4 | 5.37  |
| 51           | 5.7  | 2.7 | -   | 4.8 | 5.7 | -   | 2.3 | 3.4 | 7.3 | 2.3-7.3 | 4.56  |
| 52           | 6.5  | 2.6 | 6.9 | 7.0 | 6.6 | -   | 7.3 | 4.5 | 6.8 | 2.6-7.3 | 6.03  |
| 53           | 6.0  | 2.4 | 5.6 | 5.5 | 4.5 | 7.0 | 2.6 | 3.1 | 5.7 | 2.4-7.0 | 4.71  |
| 54           | 6.1  | 2.0 | 8.6 | 5.3 | 6.1 | -   | 4.6 | 3.6 | 5.9 | 2.0-8.6 | 5.28  |
| 55           | 5.8  | 3.2 | 7.2 | 4.9 | 6.9 | 3.7 | 4.4 | 4.7 | 6.4 | 3.2-7.2 | 5.24  |
| 56           | 5.9  | 2.2 | -   | -   | 6.0 | 6.0 | 3.2 | 3.9 | 6.4 | 2.2-6.4 | 4.80  |
| 57           | 6.9  | 3.3 | 2.6 | -   | 2.1 | 6.5 | 3.7 | 4.7 | 5.5 | 2.1-6.9 | 4.41  |
| 58           | 5.0  | 3.2 | -   | 6.6 | 2.2 | 7.8 | 2.9 | 3.3 | 4.8 | 2.2-7.8 | 4.48  |
| 59           | 6.3  | 4.0 | 4.4 | 6.4 | 4.3 | -   | 6.6 | 3.8 | 6.3 | 3.8-6.6 | 5.26  |
| 60           | 6.5  | 3.3 | 4.5 | 4.9 | 6.8 | -   | 4.6 | 4.2 | 6.7 | 3.3-6.8 | 5.19  |

Continúa...

Cuadro 3.5 (Continuación)

| Línea<br>no. | Número de localidad <sup>a</sup> / Rendimiento (ton/ha) <sup>b</sup> |     |      |     |     |     |     |     |     | Min-Max  | Prom. |
|--------------|--|-----|------|-----|-----|-----|-----|-----|-----|----------|-------|
|              | 1  | 2   | 5    | 8   | 16  | 22  | 23  | 24  | 25  |          |       |
| 61           | 7.2  | 3.8 | 8.2  | 4.5 | 6.6 | -   | 5.3 | 4.5 | 6.9 | 3.8-8.2  | 5.88  |
| 62           | 6.9  | 4.6 | 7.7  | -   | 4.9 | 6.8 | 3.9 | 3.6 | -   | 3.6-7.7  | 5.49  |
| 63           | 6.7  | 3.4 | 6.8  | 6.8 | 6.0 | -   | 2.6 | 5.2 | 7.1 | 2.6-7.1  | 5.58  |
| 64           | 4.9  | 2.8 | 3.6  | 5.5 | 5.0 | -   | 3.9 | 4.4 | 5.3 | 2.8-5.5  | 4.43  |
| 65           | 7.3  | 5.2 | 3.1  | 6.5 | 4.1 | 8.1 | 2.9 | 5.3 | 6.8 | 2.9-8.1  | 5.48  |
| 66           | 5.5  | 3.7 | 6.2  | -   | 5.9 | -   | 3.2 | 3.9 | -   | 3.2-6.2  | 4.73  |
| 67           | 5.4  | 3.6 | 10.0 | 5.2 | 5.0 | -   | 3.7 | 4.5 | 5.7 | 3.6-10.0 | 5.39  |
| 68           | 5.7  | 3.6 | 8.7  | 4.9 | 5.2 | -   | 2.6 | 3.4 | 5.7 | 2.6-8.7  | 4.98  |
| 69           | 6.5  | 4.3 | 5.8  | 6.6 | 5.1 | -   | 5.4 | 4.6 | 6.8 | 4.3-6.8  | 5.64  |
| 70           | 6.0  | 4.5 | 3.3  | 5.0 | 6.2 | 6.3 | 4.2 | 4.5 | 5.4 | 3.3-6.3  | 5.04  |
| 71           | 6.1  | 3.3 | 6.5  | 5.4 | 5.3 | -   | 3.4 | 3.7 | 2.8 | 2.8-6.5  | 4.56  |
| 72           | 5.6  | 4.6 | 4.7  | 6.2 | 3.9 | 6.8 | 4.1 | 4.9 | 7.0 | 3.9-7.0  | 5.31  |
| 73           | 5.6  | 5.1 | 9.0  | 6.6 | 2.5 | -   | -   | 4.7 | 6.3 | 2.5-9.0  | 5.69  |
| 74           | 5.4  | 3.2 | 7.3  | 6.3 | 3.7 | 4.4 | 5.9 | 7.1 | 7.1 | 3.2-7.1  | 5.38  |
| 75           | 5.6  | 3.3 | 4.5  | 6.5 | 1.1 | 6.2 | 4.9 | 3.1 | 6.2 | 1.1-6.5  | 4.60  |
| 76           | 6.6  | 3.3 | 7.0  | 4.6 | 4.3 | 6.2 | 4.2 | 2.9 | 6.3 | 2.9-7.0  | 5.04  |
| 77           | 4.7  | 5.0 | 6.2  | 6.1 | 3.7 | 6.3 | 3.8 | 3.0 | 7.1 | 3.0-7.1  | 5.10  |
| 78           | 5.9  | 4.1 | 3.0  | 6.5 | 3.2 | -   | 3.8 | 2.5 | 6.6 | 2.5-6.6  | 4.45  |
| 79           | 5.6  | 3.8 | 8.2  | 5.8 | 2.8 | 5.4 | 4.3 | 3.4 | 5.5 | 2.8-8.2  | 4.98  |
| 80           | 7.2  | 4.2 | 4.5  | 5.5 | 7.3 | 5.9 | 4.3 | 2.5 | 8.3 | 2.5-8.3  | 5.52  |
| 81           | 6.3  | 5.1 | 3.0  | 6.7 | 4.7 | -   | 4.0 | 3.4 | 6.3 | 3.0-6.7  | 4.94  |
| 82           | 6.6  | 4.8 | 2.2  | 6.1 | 2.8 | -   | 3.9 | 2.8 | 7.4 | 2.8-7.4  | 4.58  |
| 83           | 6.4  | 4.7 | 3.1  | 5.4 | 2.6 | 7.4 | 9.8 | 2.2 | 6.0 | 2.2-9.8  | 5.29  |
| 84           | 5.7  | 3.4 | 3.8  | 5.4 | 2.1 | -   | 4.0 | 2.8 | 3.7 | 2.1-5.7  | 3.86  |
| 85           | 5.4  | 3.9 | 3.8  | 5.2 | 3.9 | 6.2 | 4.3 | 3.5 | 6.1 | 3.5-6.2  | 4.70  |
| 86           | 6.3  | 3.7 | 4.0  | 4.6 | 2.4 | 5.4 | 3.6 | 2.7 | 4.6 | 2.4-6.3  | 4.14  |
| 87           | 5.7  | 1.6 | 4.6  | -   | 7.1 | 7.3 | 4.0 | 5.5 | 6.8 | 1.6-7.3  | 5.33  |
| 88           | 6.4  | 3.2 | 1.4  | 5.5 | 7.2 | 9.0 | 1.9 | 5.2 | 6.1 | 1.4-9.0  | 5.10  |
| 89           | 8.0  | 4.3 | 1.8  | 4.9 | 5.4 | -   | 3.7 | 5.2 | 3.8 | 1.8-8.0  | 4.64  |
| 90           | 7.5  | 5.7 | 3.5  | 5.2 | 7.4 | 7.7 | 6.9 | 3.4 | 6.6 | 3.5-7.7  | 5.99  |

Continúa...



Cuadro 3.5 (Continuación)

| Línea<br>no. | Número de localidad <sup>a</sup> / Rendimiento (ton/ha) <sup>b</sup> |     |     |     |     |     |     |     |     |  | Min-Max | Prom. |
|--------------|--|-----|-----|-----|-----|-----|-----|-----|-----|--|---------|-------|
|              | 1  | 2   | 5   | 8   | 16  | 22  | 23  | 24  | 25  |  |         |       |
| 91           | 7.5  | 0.7 | 6.7 | 5.6 | 8.0 | 8.5 | 3.9 | 5.4 | 6.7 |  | 0.7-8.5 | 5.89  |
| 92           | 7.5  | 3.4 | 3.7 | 5.1 | 6.8 | -   | 2.7 | 3.4 | 3.9 |  | 2.7-7.5 | 4.56  |
| 93           | 6.3  | 4.0 | 2.4 | 5.6 | 6.0 | -   | 3.1 | 3.6 | 3.0 |  | 2.4-6.3 | 4.25  |
| 94           | 7.3  | 5.2 | 4.2 | 5.5 | 5.4 | 6.3 | 3.1 | 3.8 | 5.6 |  | 3.1-7.3 | 5.16  |
| 95           | 8.7  | 5.6 | 4.3 | 6.4 | 3.7 | -   | 3.6 | 2.7 | 6.7 |  | 2.7-8.7 | 5.21  |
| 96           | 6.1  | 2.8 | 2.2 | 6.2 | 3.2 | -   | 2.7 | 2.8 | 4.2 |  | 2.2-6.2 | 3.78  |
| 97           | 6.6  | -   | 6.2 | 4.8 | 5.5 | -   | 3.4 | 3.5 | 5.9 |  | 3.4-6.6 | 5.13  |
| 98           | 7.3  | -   | 6.8 | 5.1 | 6.6 | -   | 1.9 | 3.7 | 6.6 |  | 1.9-7.3 | 5.43  |
| 99           | 6.5  | 2.0 | 5.7 | 5.3 | 6.2 | -   | 3.6 | 5.0 | 6.7 |  | 2.0-6.7 | 5.13  |
| 100          | 5.2  | -   | 2.9 | 5.9 | 8.3 | 9.6 | 3.9 | 4.8 | 6.8 |  | 2.9-9.6 | 5.93  |
| 101          | 4.7  | -   | 1.4 | 6.3 | 7.5 | -   | 4.5 | 4.2 | 6.8 |  | 1.4-7.5 | 5.06  |
| 102          | 5.3  | 2.5 | 4.3 | 5.0 | 5.7 | -   | 3.3 | 4.5 | 6.4 |  | 2.5-6.4 | 4.63  |
| 103          | 4.3  | -   | 4.6 | -   | 3.6 | -   | 6.5 | 4.0 | 4.5 |  | 3.4-6.5 | 4.58  |
| 104          | 5.3  | 0.8 | 5.0 | 6.9 | 4.1 | -   | 4.7 | 2.5 | 4.8 |  | 0.8-6.9 | 4.26  |
| 105          | 5.3  | -   | 3.7 | -   | 4.0 | -   | 3.2 | 2.3 | 7.4 |  | 2.3-7.4 | 4.32  |
| 106          | 4.6  | 1.3 | 2.6 | 5.1 | 6.2 | -   | 3.2 | 3.1 | 7.1 |  | 1.3-7.1 | 4.15  |
| 107          | 5.5  | 2.1 | 5.5 | 5.8 | 6.9 | -   | 3.3 | 3.6 | 6.6 |  | 2.1-6.9 | 4.91  |
| 108          | 5.5  | 1.5 | 6.9 | 5.8 | 5.4 | 5.3 | 4.1 | 3.1 | 7.3 |  | 1.5-7.3 | 4.99  |
| 109          | 4.7  | 1.4 | 3.6 | 5.2 | 5.6 | 6.1 | 3.4 | 4.5 | 5.9 |  | 1.4-6.1 | 4.49  |
| 110          | 5.1  | 2.0 | 5.8 | 5.4 | 8.3 | 8.2 | 2.7 | 4.2 | 6.2 |  | 2.0-8.3 | 5.32  |
| 111          | 5.9  | 3.5 | 2.0 | 6.4 | 7.1 | 6.6 | 2.6 | 4.6 | 5.9 |  | 2.0-7.1 | 4.96  |
| 112          | 6.0  | 3.6 | 3.4 | 6.3 | 6.3 | 8.2 | 3.6 | 5.4 | 6.0 |  | 3.4-8.2 | 5.42  |
| 113          | 5.9  | 1.3 | 3.1 | 6.8 | 5.1 | -   | 3.7 | 4.2 | 4.1 |  | 1.3-6.8 | 4.28  |
| 114          | 5.3  | 2.1 | 3.6 | -   | 3.7 | 8.5 | 2.9 | 4.9 | 6.1 |  | 2.1-8.5 | 4.64  |
| 115          | 5.8  | 3.5 | 5.5 | 6.4 | 7.0 | -   | 3.4 | 4.8 | 5.7 |  | 3.4-7.0 | 5.26  |
| 116          | 4.7  | 3.5 | -   | 5.3 | 4.9 | 2.6 | 1.6 | 5.0 | 5.2 |  | 1.6-5.3 | 4.10  |
| 117          | 5.5  | 2.3 | 5.4 | -   | 6.1 | 5.7 | 2.4 | 3.8 | 6.4 |  | 2.3-6.4 | 4.70  |
| 118          | 4.8  | 2.5 | 3.6 | 5.0 | 5.0 | 6.5 | 4.6 | 3.9 | 6.2 |  | 2.5-6.5 | 4.68  |
| 119          | 5.4  | 3.6 | 6.0 | -   | 6.5 | 3.9 | 4.4 | 4.3 | -   |  | 3.6-6.6 | 4.96  |
| 120          | 4.6  | 4.1 | 3.0 | 4.3 | 6.6 | 5.0 | 3.9 | 4.1 | 3.3 |  | 3.0-6.6 | 4.32  |

Continúa...

Cuadro 3.5 (Continuación)

| Línea<br>no. | Número de localidad <sup>a</sup> |     |     |     |     |     | / Rendimiento (ton/ha) <sup>b</sup> |     |     |         |       |
|--------------|----------------------------------|-----|-----|-----|-----|-----|-------------------------------------|-----|-----|---------|-------|
|              | 1                                | 2   | 5   | 8   | 16  | 22  | 23                                  | 24  | 25  | Min-Max | Prom. |
| 121          | 5.0                              | 3.8 | 4.0 | 4.7 | 6.8 | -   | 6.0                                 | 3.8 | 5.8 | 3.8-6.8 | 4.99  |
| 122          | 5.1                              | 1.5 | 4.6 | 5.6 | 6.1 | -   | 7.2                                 | 4.7 | 6.8 | 1.5-7.2 | 5.20  |
| 123          | 4.3                              | 1.7 | 5.4 | 5.4 | 1.7 | -   | 4.2                                 | 3.1 | 4.9 | 1.7-5.4 | 3.84  |
| 124          | 4.7                              | 2.2 | 5.0 | 5.3 | 5.6 | -   | 5.9                                 | 4.2 | 6.4 | 2.2-6.4 | 4.91  |
| 125          | 3.3                              | 2.7 | 2.2 | 3.2 | 5.2 | 8.4 | 4.3                                 | 3.3 | 5.6 | 2.2-8.4 | 4.24  |
| 126          | 5.9                              | 1.9 | 5.2 | 4.6 | 5.8 | 6.5 | 3.2                                 | 3.9 | 5.3 | 1.9-6.5 | 4.70  |
| 127          | 6.3                              | -   | 6.8 | 5.4 | 6.7 | -   | 3.9                                 | 4.5 | 5.8 | 3.9-6.8 | 5.63  |
| 128          | 5.5                              | 3.2 | 6.8 | 5.0 | 2.4 | -   | 4.9                                 | 3.6 | 5.4 | 2.4-6.8 | 4.60  |
| 129          | 6.9                              | 4.2 | 7.8 | 5.2 | 1.8 | -   | 4.9                                 | 4.5 | 6.4 | 1.8-7.8 | 5.21  |
| 130          | 6.0                              | 3.8 | 1.8 | 4.9 | 2.9 | 7.6 | 4.2                                 | 4.2 | 5.4 | 1.8-7.6 | 4.53  |
| 131          | 5.5                              | -   | 3.3 | 5.2 | 6.8 | -   | 5.8                                 | 4.1 | 5.2 | 3.3-6.8 | 5.13  |
| 132          | 5.2                              | 2.8 | 2.4 | 5.3 | 3.1 | -   | 3.9                                 | 4.5 | 4.6 | 2.4-5.3 | 3.98  |
| 133          | 5.9                              | -   | 4.5 | 5.5 | 5.9 | 6.1 | 4.6                                 | 4.4 | 5.6 | 4.4-6.1 | 5.31  |
| 134          | 5.7                              | 2.8 | 3.8 | 4.7 | 3.2 | 5.4 | 3.4                                 | 3.9 | 6.1 | 2.8-6.1 | 4.33  |
| 135          | 6.1                              | 3.2 | 4.4 | 3.2 | 5.4 | -   | -                                   | 4.3 | 7.0 | 3.2-7.0 | 4.80  |
| 136          | 5.2                              | 2.5 | 3.2 | 5.2 | 4.9 | 6.7 | 3.0                                 | 3.7 | 7.5 | 2.5-7.5 | 4.66  |
| 137          | 5.8                              | 1.8 | -   | -   | 2.1 | 5.3 | 4.9                                 | 4.3 | 7.9 | 1.8-7.9 | 4.59  |
| 138          | 6.5                              | -   | 6.6 | 5.0 | 4.6 | -   | 3.9                                 | 4.3 | 7.6 | 3.9-7.6 | 5.50  |
| 139          | 5.3                              | 2.8 | 5.4 | 3.2 | 5.9 | 6.9 | 3.0                                 | 4.5 | 7.5 | 2.8-7.5 | 4.94  |
| 140          | 5.8                              | 1.8 | -   | 4.1 | 8.3 | 7.5 | 3.7                                 | 5.4 | 7.7 | 1.8-8.3 | 5.54  |
| 141          | 4.4                              | 3.2 | -   | 2.9 | 5.1 | 7.0 | 6.3                                 | 3.4 | 6.1 | 2.9-7.0 | 4.80  |
| 142          | 4.8                              | 2.0 | 1.2 | 3.5 | 1.4 | 5.3 | 3.7                                 | 2.7 | 2.4 | 1.2-5.3 | 3.00  |
| 143          | 6.3                              | 4.0 | 8.3 | -   | 2.1 | 6.6 | 4.7                                 | 5.3 | 7.1 | 2.1-8.3 | 5.55  |
| 144          | 5.9                              | -   | 4.1 | 4.3 | 5.1 | -   | 5.6                                 | 5.1 | 6.7 | 4.1-6.7 | 5.26  |
| 145          | 5.5                              | -   | 1.1 | -   | 0.6 | -   | 4.9                                 | 5.0 | 5.1 | 0.6-5.5 | 3.70  |
| 146          | 5.3                              | 3.0 | 4.3 | 4.7 | 3.2 | -   | 2.9                                 | 4.0 | 5.6 | 2.9-5.6 | 4.13  |
| 147          | 5.9                              | 1.8 | 6.6 | 5.9 | 5.8 | -   | 4.0                                 | 3.8 | 7.3 | 1.8-7.3 | 5.14  |
| 148          | 5.7                              | 5.2 | 7.1 | -   | 6.5 | -   | 6.2                                 | 5.5 | 3.7 | 3.7-7.1 | 5.70  |
| 149          | 5.5                              | -   | 7.4 | 5.2 | 4.6 | 6.4 | 5.0                                 | 5.0 | 8.4 | 4.6-8.4 | 5.94  |
| 150          | 5.1                              | 2.0 | 5.1 | 4.0 | -   | -   | 3.1                                 | 4.6 | 7.6 | 2.0-7.6 | 4.50  |

Continúa....

Cuadro 3.5 (Continuación)

| Línea<br>no. | Número de localidad <sup>a</sup> |     |     |     |     |     | / Rendimiento (ton/ha) <sup>b</sup> |     |     |         |       |
|--------------|----------------------------------|-----|-----|-----|-----|-----|-------------------------------------|-----|-----|---------|-------|
|              | 1                                | 2   | 5   | 8   | 16  | 22  | 23                                  | 24  | 25  | Min-Max | Prom. |
| 151          | 5.2                              | 2.0 | 1.4 | -   | 4.4 | 6.1 | 1.6                                 | 4.0 | 6.6 | 1.4-6.6 | 3.91  |
| 152          | 5.3                              | -   | 1.4 | 4.5 | 4.2 | -   | 2.2                                 | 4.2 | 7.6 | 1.4-7.6 | 4.20  |
| 153          | 5.7                              | 3.8 | 5.4 | 3.7 | 3.1 | -   | 6.9                                 | 4.3 | 6.9 | 3.1-6.9 | 4.98  |
| 154          | 6.6                              | 3.3 | 5.0 | 4.1 | 4.8 | 7.1 | 3.7                                 | 4.8 | 8.2 | 3.3-8.2 | 5.29  |
| 155          | 5.9                              | -   | 2.4 | 5.3 | 1.7 | -   | 3.4                                 | 3.9 | 7.6 | 1.7-7.6 | 4.31  |
| 156          | 4.8                              | 3.6 | 1.7 | 4.8 | 2.9 | -   | 1.9                                 | 4.6 | 7.7 | 1.7-7.7 | 4.00  |
| 157          | 5.5                              | -   | 3.6 | 2.8 | -   | -   | 2.7                                 | 4.1 | 7.0 | 2.7-7.0 | 4.28  |
| 158          | 5.3                              | 3.4 | 6.6 | 4.5 | 3.2 | -   | 4.5                                 | 5.0 | 3.6 | 3.2-6.6 | 4.51  |
| 159          | 4.7                              | 4.0 | 5.4 | 5.7 | 3.3 | -   | 4.3                                 | 3.9 | 6.2 | 3.3-6.2 | 4.69  |
| 160          | 6.5                              | 2.9 | -   | 4.0 | 5.5 | -   | 6.0                                 | 3.6 | 8.2 | 2.9-8.6 | 5.24  |
| 161          | -                                | 5.0 | 2.7 | 3.4 | 7.8 | 5.5 | 4.6                                 | 2.5 | 7.9 |         |       |

a. Ver nombre de las localidades en el cuadro 3.2

b. Datos de rendimiento de arroz en cáscara, en parcelas no replicadas

Cuadro 3.6 Resumen de las Principales Características Agronómicas del Germoplasma del Quinto Viviero Internacional de Observación de Arroz para América Latina (VIOAL, 1982), sembrado bajo condiciones de riego.

| Línea no. | Designación                  | Floración (días) |         |       | Piricularia <sup>a</sup> |         |     |   | Altura         |         |       | Vuelco <sup>b</sup> |         |       | Rendimiento (ton/ha) |         |       |
|-----------|------------------------------|------------------|---------|-------|--------------------------|---------|-----|---|----------------|---------|-------|---------------------|---------|-------|----------------------|---------|-------|
|           |                              | No. Pruebas      | Min-Max | Prom. | BI                       |         | NBI |   | No. de Pruebas | Min-Max | Prom. | No. de Pruebas      | Min-Max | Prom. | No. de Pruebas       | Min-Max | Prom. |
|           |                              |                  |         |       | No. de Pruebas           | Min-Max | Z   | B |                |         |       |                     |         |       |                      |         |       |
| 1         | HAU 16-20-3                  | 8                | 66- 90  | 77    | 3                        | 3-8     | -   | 9 | 8              | 80- 92  | 86    | 2                   | 1-1     | 1.0   | 6                    | 2.8-5.6 | 4.26  |
| 2         | IR 19743-25-2-2-3-1          | 7                | 77- 90  | 80    | 4                        | 0-3     | 0   | 3 | 7              | 71-101  | 89    | 3                   | 1-6     | 4.0   | 6                    | 2.4-6.9 | 5.25  |
| 3         | IR 19746-28-2-2              | 7                | 67- 90  | 77    | 4                        | 0-3     | 3   | 3 | 7              | 77- 93  | 86    | 3                   | 1-5     | 2.3   | 7                    | 3.3-6.8 | 5.26  |
| 4         | IR 19746-28-2-2-3            | 7                | 67- 90  | 77    | 4                        | 1-3     | 0   | 3 | 7              | 80- 96  | 86    | 3                   | 1-3     | 1.7   | 7                    | 2.3-7.3 | 5.43  |
| 5         | IR 19791-12-1-2-2-2          | 8                | 67- 90  | 77    | 4                        | 0-3     | 3   | 3 | 8              | 62- 91  | 80    | 4                   | 1-3     | 1.5   | 8                    | 1.8-6.6 | 4.73  |
| 6         | BKNLR75091-CNT-B3-RST-40-1-3 | 8                | 71- 86  | 77    | 4                        | 1-4     | 5   | 1 | 8              | 74-104  | 88    | 4                   | 1-4     | 1.8   | 8                    | 3.0-6.9 | 5.08  |
| 7         | IR 19762-2-3-3               | 8                | 67- 90  | 78    | 4                        | 0-3     | 0   | 7 | 8              | 66-100  | 78    | 4                   | 1-5     | 2.5   | 9                    | 2.4-6.8 | 4.39  |
| 8         | IR 19743-25-2-2              | 8                | 72- 95  | 79    | 4                        | 1-3     | 3   | 5 | 8              | 75- 97  | 86    | 4                   | 1-7     | 3.5   | 8                    | 3.2-7.3 | 5.43  |
| 9         | IRI 356                      | 7                | 78- 90  | 83    | 4                        | 1-1     | 0   | - | 7              | 80-107  | 92    | 3                   | 1-6     | 2.7   | 7                    | 2.7-8.0 | 5.17  |
| 10        | IR 19819-31-2-3              | 8                | 67- 85  | 77    | 4                        | 1-4     | 0   | 3 | 8              | 64-100  | 78    | 4                   | 1-5     | 2.0   | 9                    | 2.1-6.5 | 4.19  |
| 11        | Suweon 287                   | 8                | 76- 90  | 82    | 4                        | 0-3     | 0   | 1 | 8              | 68- 95  | 84    | 5                   | 0-3     | 1.4   | 9                    | 1.6-7.4 | 5.19  |
| 12        | IR 15675-151-1-1             | 8                | 76- 92  | 83    | 4                        | 0-3     | 0   | 3 | 8              | 73- 98  | 85    | 5                   | 1-5     | 3.0   | 9                    | 2.6-6.4 | 5.08  |
| 13        | SYE 304-1-4-17               | 8                | 74- 95  | 84    | 4                        | 0-8     | 0   | 3 | 8              | 78- 95  | 87    | 5                   | 0-9     | 3.2   | 9                    | 2.5-7.5 | 5.30  |
| 14        | ECIA-1-18-11                 | 8                | 76-100  | 88    | 3                        | 0-2     | 5   | 3 | 7              | 65-104  | 87    | 4                   | 0-4     | 1.5   | 8                    | 3.4-6.9 | 5.05  |
| 15        | IR 9828-91-2-3               | 8                | 80-100  | 89    | 4                        | 0-5     | 3   | 5 | 8              | 70- 91  | 84    | 5                   | 1-7     | 4.2   | 9                    | 3.2-8.2 | 5.06  |
| 16        | IR 15723-45-3-2              | 7                | 78- 97  | 88    | 4                        | 0-2     | 3   | - | 7              | 78-103  | 93    | 4                   | 1-7     | 3.0   | 7                    | 3.6-6.7 | 4.83  |
| 17        | IR 9761-19-1                 | 8                | 69- 96  | 84    | 4                        | 0-3     | 0   | 5 | 8              | 65- 97  | 85    | 5                   | 0-8     | 3.0   | 8                    | 3.1-7.7 | 4.84  |
| 18        | IR 13427-60-1-3-2-2          | 8                | 69- 96  | 83    | 4                        | 0-1     | 0   | 3 | 8              | 60-100  | 89    | 4                   | 0-7     | 3.3   | 8                    | 1.9-7.9 | 4.85  |
| 19        | IR 13240-108-2-2-3           | 8                | 76- 96  | 85    | 4                        | 0-3     | 0   | 5 | 8              | 69- 97  | 86    | 5                   | 0-9     | 3.6   | 9                    | 2.1-8.7 | 5.67  |
| 20        | IR 50 (testigo)              | 8                | 71- 94  | 82    | 4                        | 0-2     | 5   | 7 | 8              | 65-100  | 84    | 5                   | 1-9     | 4.4   | 9                    | 1.8-8.3 | 4.91  |
| 21        | IR 13429-299-2-1-3           | 7                | 74- 96  | 87    | 4                        | 0-2     | 0   | 3 | 7              | 75- 95  | 87    | 4                   | 1-9     | 5.8   | 7                    | 3.6-7.3 | 5.19  |
| 22        | IR 19053-107-1               | 8                | 72- 94  | 85    | 4                        | 0-2     | 0   | 3 | 8              | 50-102  | 87    | 4                   | 1-8     | 2.8   | 8                    | 2.7-7.9 | 5.28  |
| 23        | IR 13384-79-2                | 8                | 74- 94  | 86    | 4                        | 0-2     | 0   | 3 | 8              | 70-100  | 86    | 5                   | 1-9     | 4.8   | 8                    | 2.4-6.5 | 5.00  |
| 24        | IR 13429-196-1               | 8                | 74- 95  | 85    | 4                        | 1-2     | 0   | 3 | 8              | 55-104  | 88    | 5                   | 1-9     | 3.4   | 7                    | 2.4-7.3 | 4.87  |
| 25        | IR 9698-16-3-3-2             | 8                | 72- 96  | 89    | 4                        | 0-3     | 0   | 3 | 8              | 55-103  | 90    | 4                   | 0-4     | 1.5   | 8                    | 2.1-6.6 | 5.34  |
| 26        | IR 13420-6-3-3-1             | 8                | 77-100  | 89    | 4                        | 0-3     | 0   | 5 | 8              | 65-100  | 89    | 4                   | 0-5     | 1.8   | 8                    | 2.7-7.3 | 5.29  |
| 27        | SKL 17-67-11                 | 8                | 69- 96  | 84    | 4                        | 1-9     | 0   | 5 | 8              | 60- 95  | 87    | 4                   | 0-5     | 1.8   | 7                    | 2.7-8.0 | 5.00  |
| 28        | 32-Xuan-5-D                  | 8                | 77- 96  | 89    | 4                        | 1-4     | 7   | 3 | 8              | 75-107  | 97    | 4                   | 0-7     | 2.5   | 8                    | 2.4-8.0 | 5.41  |
| 29        | IR 9846-145-3-3              | 8                | 77- 96  | 86    | 4                        | 0-2     | 0   | 3 | 8              | 75- 94  | 88    | 5                   | 0-2     | 1.0   | 9                    | 2.8-7.6 | 5.13  |
| 30        | IR 9093-211-6                | 8                | 74- 96  | 87    | 4                        | 1-5     | 0   | 3 | 8              | 62-100  | 89    | 5                   | 1-3     | 3.8   | 9                    | 1.6-8.1 | 5.21  |
| 31        | IR 11418-19-2-3              | 8                | 74- 94  | 83    | 4                        | 1-3     | 0   | 5 | 8              | 71-109  | 93    | 5                   | 1-3     | 3.2   | 9                    | 3.2-7.9 | 5.80  |
| 32        | IR 19746-28-2-2              | 8                | 72- 93  | 84    | 4                        | 0-3     | 0   | 5 | 7              | 69-117  | 90    | 5                   | 0-6     | 1.8   | 8                    | 2.2-7.0 | 4.35  |
| 33        | Línea observación 1          | 8                | 72- 96  | 84    | 4                        | 0-2     | 0   | 5 | 9              | 69-102  | 89    | 5                   | 1-9     | 3.8   | 9                    | 3.2-7.1 | 4.93  |
| 34        | IR 9224-225-2-3-3-2          | 8                | 72- 96  | 85    | 4                        | 1-2     | 0   | 3 | 8              | 63- 97  | 87    | 5                   | 1-9     | 5.0   | 8                    | 4.0-7.8 | 5.76  |
| 35        | GZ 864-2-3-1                 | 8                | 72- 95  | 83    | 4                        | 0-4     | 0   | 5 | 8              | 65- 90  | 79    | 5                   | 0-3     | 1.2   | 8                    | 2.2-7.0 | 5.21  |
| 36        | Palgwangbyeon (Suweon 284)   | 7                | 72- 96  | 86    | 3                        | 0-2     | 0   | 5 | 7              | 81- 98  | 89    | 4                   | 0-7     | 2.3   | 7                    | 3.1-6.8 | 4.96  |
| 37        | C 1321-3                     | 8                | 69- 98  | 84    | 4                        | 0-3     | 0   | 5 | 8              | 50- 95  | 78    | 4                   | 0-6     | 3.0   | 7                    | 3.3-6.8 | 4.86  |
| 38        | 32-Xuan-5-C                  | 8                | 72- 98  | 88    | 4                        | 1-5     | 5   | 3 | 8              | 75-114  | 97    | 4                   | 1-9     | 4.5   | 8                    | 3.8-7.5 | 5.63  |
| 39        | IR 9830-26-3-3               | 8                | 85-103  | 95    | 3                        | 0-1     | 0   | 3 | 8              | 73- 99  | 86    | 5                   | 1-9     | 4.2   | 8                    | 2.4-6.7 | 4.54  |
| 40        | IR 36 (testigo)              | 8                | 72-112  | 88    | 4                        | 1-3     | 5   | 5 | 8              | 64- 95  | 83    | 5                   | 1-9     | 3.8   | 9                    | 3.1-7.5 | 5.07  |
| 41        | IR 21931-67                  | 8                | 79- 98  | 87    | 4                        | 1-4     | 5   | 3 | 8              | 84- 97  | 88    | 5                   | 1-9     | 5.4   | 9                    | 3.8-7.4 | 5.02  |
| 42        | BG 402-4                     | 8                | 80- 98  | 88    | 4                        | 1-4     | 5   | 3 | 8              | 70-107  | 92    | 5                   | 1-6     | 2.8   | 8                    | 2.2-8.8 | 5.93  |
| 43        | BKN 7033-13-1-1-3-2          | 8                | 77-103  | 89    | 4                        | 2-5     | 5   | 5 | 8              | 70-103  | 91    | 5                   | 1-9     | 3.8   | 8                    | 2.8-7.1 | 5.09  |
| 44        | Chianung Sen Yu 13           | 8                | 81-101  | 90    | 4                        | 1-9     | 5   | 3 | 8              | 60-107  | 92    | 5                   | 1-8     | 2.8   | 8                    | 1.8-7.1 | 4.75  |
| 45        | Taichung Sen Yu 285          | 8                | 77-101  | 90    | 4                        | 1-9     | 5   | 3 | 8              | 65-111  | 94    | 5                   | 1-9     | 3.6   | 8                    | 3.6-7.9 | 6.09  |
| 46        | Mutant 842                   | 8                | 74-101  | 87    | 4                        | 1-9     | 5   | 3 | 8              | 71-101  | 88    | 4                   | 0-7     | 2.3   | 8                    | 3.4-7.1 | 5.46  |

Continúa...

Cuadro 3.6 (Continuación)

| Línea<br>no. | Designación           | Floración<br>(días) |         |       | Piricularia <sup>a</sup> |         |     |   | Altura           |         |       | Vuelco <sup>b</sup> |         |       | Rendimiento<br>(ton/ha) |         |       |
|--------------|-----------------------|---------------------|---------|-------|--------------------------|---------|-----|---|------------------|---------|-------|---------------------|---------|-------|-------------------------|---------|-------|
|              |                       | No.de<br>Pruebas    | Min-Max | Prom. | 81                       |         | N81 |   | No.de<br>Pruebas | Min-Max | Prom. | No.de<br>Pruebas    | Min-Max | Prom. | No.de<br>Pruebas        | Min-Max | Prom. |
|              |                       |                     |         |       | No.de<br>Pruebas         | Min-Max | 2   | 8 |                  |         |       |                     |         |       |                         |         |       |
| 47           | UPR 79-23             | 8                   | 78-101  | 91    | 4                        | 1-3     | 3 3 | 8 | 60-105           | 90      | 4     | 0-3                 | 1.3     | 8     | 2.5-7.3                 | 5.14    |       |
| 48           | IR 9782-111-2-1-2     | 8                   | 80-100  | 87    | 4                        | 1-4     | 8 3 | 8 | 74- 90           | 82      | 5     | 0-8                 | 2.6     | 7     | 2.9-7.6                 | 5.23    |       |
| 49           | UPR 243-241-1         | 8                   | 81-101  | 89    | 4                        | 1-2     | 3 5 | 8 | 73- 97           | 87      | 5     | 0-7                 | 2.4     | 8     | 3.4-7.7                 | 5.35    |       |
| 50           | IR 13249-82-2-3-2-3-1 | 7                   | 85-101  | 90    | 4                        | 0-3     | 5 3 | 7 | 50-100           | 85      | 4     | 0-5                 | 1.8     | 6     | 2.1-8.4                 | 5.37    |       |
| 51           | YR 2379-47-2-1        | 7                   | 67-101  | 84    | 3                        | 1-2     | 8 3 | 7 | 81-104           | 93      | 4     | 0-9                 | 3.3     | 7     | 2.3-7.3                 | 4.56    |       |
| 52           | IR 5853-118-5         | 8                   | 86-101  | 93    | 4                        | 0-2     | 5 5 | 8 | 83-100           | 94      | 5     | 0-7                 | 3.4     | 8     | 2.6-7.3                 | 6.03    |       |
| 53           | P 1358-5-19M-2-1B     | 8                   | 85-109  | 96    | 3                        | 0-1     | 5 3 | 8 | 85-114           | 98      | 5     | 0-5                 | 2.0     | 9     | 2.4-7.0                 | 4.71    |       |
| 54           | CPI C8                | 8                   | 75-100  | 88    | 4                        | 0-5     | 9 3 | 8 | 82-105           | 97      | 5     | 0-5                 | 2.0     | 8     | 2.0-8.6                 | 5.28    |       |
| 55           | IR 2307-247-2-2-3     | 8                   | 85-101  | 91    | 4                        | 1-5     | 0 3 | 8 | 71- 97           | 87      | 5     | 0-6                 | 2.6     | 9     | 3.2-7.2                 | 5.24    |       |
| 56           | BR 171-2B-8           | 8                   | 85-104  | 95    | 4                        | 1-3     | 3 - | 8 | 60-102           | 85      | 3     | 1-2                 | 1.3     | 7     | 2.2-6.4                 | 4.80    |       |
| 57           | B 2360-6-7-1-4        | 8                   | 90-112  | 101   | 3                        | 0-1     | 3 - | 7 | 90-131           | 112     | 4     | 1-8                 | 3.3     | 8     | 2.1-6.9                 | 4.41    |       |
| 58           | B 2791 B-MR-257-3-2   | 7                   | 90-107  | 102   | 3                        | 0-3     | 3 3 | 7 | 90-117           | 100     | 4     | 0-2                 | 1.0     | 8     | 2.2-7.8                 | 4.48    |       |
| 59           | IR 3262-3-33B-5       | 8                   | 85-107  | 97    | 3                        | 1-2     | 5 5 | 8 | 70- 94           | 85      | 5     | 1-9                 | 2.8     | 8     | 3.8-6.6                 | 5.26    |       |
| 60           | CICA 4 (testigo)      | 8                   | 87-103  | 95    | 4                        | 3-4     | 6 5 | 8 | 78- 97           | 89      | 5     | 1-9                 | 2.8     | 8     | 3.3-6.8                 | 5.19    |       |
| 61           | BR/IRGA 409           | 8                   | 87-102  | 91    | 4                        | 1-9     | 5 3 | 8 | 80-102           | 91      | 5     | 1-5                 | 3.0     | 8     | 3.8-8.2                 | 5.88    |       |
| 62           | IR 8192-200-3-3-1-1   | 8                   | 90-107  | 97    | 3                        | 0-1     | 3 - | 7 | 90-111           | 102     | 4     | 1-9                 | 4.5     | 7     | 3.6-7.7                 | 5.49    |       |
| 63           | IR 8073-65-6-1        | 8                   | 90-107  | 95    | 4                        | 0-7     | 3 3 | 8 | 85-114           | 97      | 5     | 0-9                 | 4.4     | 8     | 2.6-7.1                 | 5.58    |       |
| 64           | P 2053 F4-14-2-1B     | 8                   | 85-105  | 95    | 3                        | 0-3     | 5 3 | 8 | 77-100           | 89      | 5     | 9-7                 | 2.0     | 8     | 2.8-5.5                 | 4.43    |       |
| 65           | P 2053 F4-26-4-1B     | 8                   | 90-106  | 97    | 3                        | 0-2     | 3 5 | 8 | 81-107           | 94      | 5     | 0-3                 | 1.2     | 9     | 2.9-8.1                 | 5.48    |       |
| 66           | P 2053 F4-58-1-1B     | 8                   | 85-103  | 93    | 3                        | 0-2     | 3 - | 6 | 87-111           | 96      | 4     | 1-7                 | 2.5     | 6     | 3.2-6.2                 | 4.73    |       |
| 67           | P 2053 F4-77-4-1B     | 8                   | 90-109  | 96    | 3                        | 0-2     | 0 5 | 8 | 75-107           | 92      | 5     | 0-5                 | 1.6     | 8     | 3.6-10.0                | 5.39    |       |
| 68           | P 2053 F4-78-5-1B     | 8                   | 85-101  | 92    | 3                        | 0-2     | 0 3 | 8 | 75-107           | 91      | 5     | 0-4                 | 1.4     | 8     | 2.6-8.7                 | 4.98    |       |
| 69           | P 2053 F4-81-5-1B     | 8                   | 85-107  | 96    | 3                        | 0-2     | 5 5 | 8 | 82-117           | 96      | 5     | 1-7                 | 3.2     | 8     | 4.3-6.8                 | 5.64    |       |
| 70           | P 2053 F4-81-6-1B     | 8                   | 90-108  | 98    | 4                        | 0-3     | 3 3 | 8 | 80-117           | 94      | 5     | 1-7                 | 3.0     | 9     | 3.3-6.3                 | 5.04    |       |
| 71           | P 2053 F4-88-2-1B     | 8                   | 85-108  | 97    | 3                        | 0-2     | 3 3 | 8 | 77-109           | 94      | 5     | 1-6                 | 2.4     | 8     | 2.8-5.5                 | 4.56    |       |
| 72           | P 2053 F4-94-5-1B     | 8                   | 90-108  | 97    | 3                        | 0-2     | 5 5 | 8 | 72- 97           | 88      | 5     | 1-7                 | 2.2     | 9     | 3.9-7.0                 | 5.31    |       |
| 73           | P 2053 F4-99-4-1B     | 8                   | 90-108  | 98    | 3                        | 0-2     | 3 5 | 8 | 75-105           | 95      | 5     | 1-8                 | 2.4     | 7     | 2.5-9.0                 | 5.69    |       |
| 74           | P 2053 F4-156-1-1B    | 8                   | 88-105  | 95    | 3                        | 0-2     | 3 5 | 8 | 79-114           | 95      | 5     | 0-7                 | 2.0     | 9     | 3.2-7.1                 | 5.38    |       |
| 75           | P 2053 F4-169-8-1B    | 8                   | 85-108  | 100   | 3                        | 0-1     | 3 3 | 8 | 78-103           | 92      | 5     | 0-8                 | 3.0     | 9     | 1.1-6.5                 | 4.60    |       |
| 76           | P 2057 F4-48-5-1B     | 8                   | 85-111  | 98    | 3                        | 0-1     | 5 3 | 8 | 79-112           | 94      | 5     | 0-7                 | 2.8     | 9     | 2.9-7.0                 | 5.04    |       |
| 77           | P 2056 F4-55-1-1B     | 8                   | 88-105  | 96    | 3                        | 0-1     | 3 5 | 8 | 80-101           | 91      | 5     | 0-6                 | 1.8     | 9     | 3.0-7.1                 | 5.10    |       |
| 78           | P 2057 F4-88-3-1B     | 8                   | 90-107  | 98    | 3                        | 0-1     | 5 5 | 8 | 80-103           | 92      | 5     | 0-7                 | 2.0     | 8     | 2.5-6.6                 | 4.45    |       |
| 79           | P 2058 F4-47-3-1B     | 8                   | 84-104  | 93    | 3                        | 0-1     | 3 5 | 8 | 79-107           | 97      | 5     | 0-7                 | 2.0     | 9     | 2.8-8.2                 | 4.98    |       |
| 80           | IR 43 (testigo)       | 8                   | 90-108  | 97    | 9                        | 0-3     | 6 5 | 8 | 66- 98           | 90      | 5     | 0-9                 | 3.0     | 9     | 2.5-3.3                 | 5.52    |       |
| 81           | P 2060 F4-2-5-1B      | 8                   | 90-110  | 100   | 3                        | 0-1     | 5 3 | 7 | 74-100           | 90      | 5     | 0-3                 | 1.2     | 8     | 3.0-6.7                 | 4.94    |       |
| 82           | P 2060 F4-11-1-1B     | 8                   | 90-111  | 100   | 3                        | 0-1     | 5 1 | 7 | 74-102           | 90      | 5     | 0-3                 | 1.2     | 8     | 2.8-7.4                 | 4.58    |       |
| 83           | P 2060 F4-11-7-1B     | 8                   | 85-111  | 99    | 3                        | 0-1     | 5 5 | 7 | 60-102           | 90      | 5     | 0-3                 | 1.2     | 9     | 2.2-9.8                 | 5.29    |       |
| 84           | P 2060 F4-29-6-1B     | 8                   | 90-109  | 100   | 3                        | 0-1     | 3 5 | 7 | 77-107           | 96      | 5     | 0-5                 | 1.4     | 8     | 2.1-5.7                 | 3.86    |       |
| 85           | P 2060 F4-49-1-1B     | 8                   | 90-109  | 98    | 3                        | 0-1     | 3 7 | 7 | 70-100           | 88      | 5     | 1-5                 | 2.2     | 9     | 3.5-6.2                 | 4.70    |       |
| 86           | P 2060 F4-49-4-1B     | 8                   | 90-106  | 98    | 3                        | 0-1     | 3 5 | 7 | 63-100           | 85      | 5     | 1-3                 | 1.8     | 9     | 2.4-6.3                 | 4.14    |       |
| 87           | P 2060 F4-38-1-1B     | 8                   | 86-104  | 93    | 4                        | 1-3     | 7 3 | 7 | 52-114           | 87      | 5     | 0-3                 | 1.6     | 8     | 1.6-7.3                 | 5.33    |       |
| 88           | P 2067 F4-85-3-1B     | 8                   | 85-111  | 99    | 4                        | 0-2     | 5 7 | 7 | 53-107           | 88      | 5     | 1-9                 | 4.2     | 9     | 1.4-9.0                 | 5.10    |       |
| 89           | P 2068 F4-72-7-1B     | 8                   | 90-116  | 105   | 3                        | 1-3     | 5 3 | 7 | 58-107           | 87      | 5     | 0-6                 | 2.2     | 8     | 1.8-8.0                 | 4.64    |       |
| 90           | P 2068 F4-116-2-1B    | 8                   | 82-107  | 92    | 4                        | 0-3     | 5 3 | 7 | 65-174           | 98      | 5     | 1-9                 | 4.4     | 9     | 3.5-7.7                 | 5.99    |       |
| 91           | P 2181 F4-40-1B-1B    | 8                   | 89-114  | 99    | 4                        | 1-3     | 5 1 | 7 | 70-104           | 91      | 5     | 1-7                 | 3.4     | 9     | 0.7-8.5                 | 5.89    |       |
| 92           | P 2182 F4-39-1B-1B    | 8                   | 90-114  | 102   | 4                        | 0-3     | 5 3 | 7 | 65-107           | 91      | 5     | 0-5                 | 2.4     | 8     | 2.7-7.5                 | 4.56    |       |
| 93           | P 2182 F4-49-1B-1B    | 8                   | 90-114  | 102   | 3                        | 0-1     | 3 3 | 7 | 68-100           | 89      | 5     | 0-7                 | 2.0     | 8     | 2.4-6.3                 | 4.25    |       |
| 94           | P 2189 F4-64-1B-1B    | 8                   | 92-115  | 103   | 3                        | 1-3     | 3 1 | 7 | 72-101           | 92      | 5     | 0-4                 | 1.8     | 9     | 3.1-7.3                 | 5.16    |       |
| 95           | P 2190 F4-47-1B-1B    | 8                   | 90-115  | 100   | 3                        | 2-3     | 3 3 | 7 | 83-107           | 99      | 5     | 0-6                 | 2.2     | 8     | 2.7-8.7                 | 5.21    |       |
| 96           | P 2192 F4-30-1B-1B    | 8                   | 90-113  | 103   | 3                        | 1-3     | 5 7 | 7 | 76-107           | 96      | 5     | 0-3                 | 1.2     | 8     | 2.2-6.2                 | 3.78    |       |
| 97           | P 2192 F4-37-1B-1B    | 8                   | 85-114  | 105   | 3                        | 1-2     | 5 3 | 7 | 82-114           | 99      | 5     | 0-5                 | 1.6     | 7     | 3.4-6.6                 | 5.13    |       |
| 98           | P 2193 F4-22-1B-1B    | 8                   | 90-111  | 101   | 4                        | 0-2     | 3 1 | 7 | 83-117           | 100     | 5     | 0-5                 | 1.6     | 7     | 1.9-7.3                 | 5.43    |       |

Continúa...

Cuadro 3.6 (Continuación)

| Línea no. | Designación           | Floración (días) |         |       | Particularia <sup>a</sup> |         |     |   | Altura         |         |       | Vuelco <sup>b</sup> |         |       | Rendimiento (ton/ha) |         |       |
|-----------|-----------------------|------------------|---------|-------|---------------------------|---------|-----|---|----------------|---------|-------|---------------------|---------|-------|----------------------|---------|-------|
|           |                       | No. de Pruebas   | Min-Max | Prom. | B1                        |         | NS1 |   | No. de Pruebas | Min-Max | Prom. | No. de Pruebas      | Min-Max | Prom. | No. de Pruebas       | Min-Max | Prom. |
|           |                       |                  |         |       | No. de Pruebas            | Min-Max | 2   | 8 |                |         |       |                     |         |       |                      |         |       |
| 99        | P 2193 F4-140-18-18   | 8                | 85-109  | 96    | 4                         | 1-4     | 3   | 3 | 6              | 79-104  | 96    | 5                   | 0-7     | 2.4   | 8                    | 2.0-6.7 | 6.13  |
| 100       | CICA B (testigo)      | 8                | 90-111  | 98    | 4                         | 1-4     | 5   | 3 | 7              | 75-104  | 91    | 5                   | 0-6     | 3.0   | 8                    | 2.9-9.6 | 5.93  |
| 101       | P 2217 F4-19-18       | 8                | 90-112  | 105   | 4                         | 1-2     | -   | 3 | 8              | 78-117  | 100   | 5                   | 0-7     | 2.8   | 7                    | 1.4-7.5 | 5.06  |
| 102       | P 2217 F4-45-18       | 8                | 90-114  | 105   | 3                         | 0-1     | -   | 1 | 8              | 79-107  | 95    | 5                   | 0-3     | 1.2   | 8                    | 2.5-6.4 | 4.63  |
| 103       | P 2217 F4-1-18        | 6                | 85-111  | 100   | 3                         | 0-5     | -   | 5 | 7              | 70-107  | 90    | 5                   | 0-6     | 1.8   | 6                    | 3.4-6.5 | 4.58  |
| 104       | P 2217 F4-2-18        | 8                | 90-113  | 106   | 3                         | 0-4     | -   | 5 | 8              | 66-122  | 99    | 5                   | 0-4     | 1.8   | 8                    | 0.8-6.9 | 4.26  |
| 105       | P 2217 F4-24-18       | 7                | 85-114  | 106   | 3                         | 0-1     | -   | 3 | 7              | 64-119  | 95    | 5                   | 0-6     | 2.6   | 6                    | 2.3-7.4 | 4.32  |
| 106       | P 2217 F4-28-18       | 7                | 85-111  | 95    | 4                         | 0-6     | -   | 3 | 8              | 65-117  | 92    | 5                   | 0-8     | 3.4   | 8                    | 1.3-7.1 | 4.15  |
| 107       | P 2217 F4-44-18       | 8                | 85-116  | 105   | 4                         | 1-3     | -   | 3 | 8              | 68-117  | 95    | 5                   | 0-6     | 2.2   | 8                    | 2.1-6.9 | 4.91  |
| 108       | P 2217 F4-57-18       | 8                | 90-113  | 98    | 3                         | 1-2     | -   | 3 | 8              | 79-114  | 95    | 5                   | 0-6     | 2.6   | 9                    | 1.5-7.3 | 4.99  |
| 109       | P 2217 F4-67-18       | 8                | 90-111  | 103   | 3                         | 1-2     | -   | 3 | 8              | 77-119  | 95    | 5                   | 0-7     | 2.8   | 9                    | 1.4-6.1 | 4.49  |
| 110       | P 2217 F4-83-18       | 8                | 89-105  | 98    | 4                         | 0-3     | -   | 3 | 8              | 77-117  | 98    | 5                   | 0-6     | 3.0   | 9                    | 2.0-9.3 | 5.32  |
| 111       | P 2201 F4-64-18       | 8                | 85-110  | 99    | 4                         | 0-2     | -   | 3 | 8              | 75-121  | 97    | 5                   | 0-7     | 2.8   | 9                    | 2.0-7.1 | 4.96  |
| 112       | P 2201 F4-87-18       | 8                | 84-110  | 99    | 4                         | 0-3     | 5   | 1 | 8              | 65-119  | 91    | 5                   | 0-7     | 2.6   | 9                    | 3.4-8.2 | 5.42  |
| 113       | P 2205 F4-14-18       | 8                | 90-107  | 100   | 3                         | 1-5     | 6   | 3 | 8              | 73-122  | 97    | 5                   | 0-8     | 3.4   | 8                    | 1.3-6.8 | 4.28  |
| 114       | P 2220 F4-23-18       | 8                | 90-107  | 101   | 3                         | 0-3     | 6   | 7 | 8              | 60-117  | 97    | 5                   | 0-7     | 2.0   | 8                    | 2.1-8.5 | 4.54  |
| 115       | P 2017 F4-18-18-18    | 8                | 90-109  | 97    | 4                         | 1-3     | -   | 3 | 8              | 64-130  | 93    | 5                   | 0-6     | 2.6   | 8                    | 3.4-7.0 | 5.26  |
| 116       | IR 14632-22-3         | 7                | 90-110  | 101   | 3                         | 0-1     | -   | 1 | 7              | 90-130  | 101   | 4                   | 1-9     | 4.0   | 8                    | 1.6-5.3 | 4.10  |
| 117       | IR 1529-Ecia          | 8                | 85-106  | 97    | 4                         | 0-4     | -   | - | 8              | 61-109  | 91    | 4                   | 1-8     | 3.8   | 8                    | 2.3-6.4 | 4.73  |
| 118       | IR 9846-23-2          | 8                | 90-114  | 102   | 3                         | 0-1     | -   | 3 | 8              | 63-117  | 92    | 5                   | 1-6     | 2.4   | 9                    | 2.9-6.5 | 4.68  |
| 119       | Taichung Sen 10       | 7                | 75-106  | 93    | 4                         | 1-9     | -   | - | 7              | 70-120  | 95    | 4                   | 1-7     | 3.5   | 7                    | 3.6-6.6 | 4.96  |
| 120       | IR 42 (Testigo)       | 8                | 90-118  | 109   | 4                         | 0-4     | -   | 3 | 8              | 63-119  | 94    | 5                   | 1-7     | 3.8   | 9                    | 3.0-6.6 | 4.32  |
| 121       | IR 3262-3-9-4-5       | 8                | 87-109  | 96    | 4                         | 0-3     | -   | 5 | 8              | 66-119  | 92    | 5                   | 1-9     | 4.4   | 8                    | 3.8-6.8 | 4.99  |
| 122       | BG 374-1              | 8                | 90-108  | 98    | 4                         | 2-9     | -   | 5 | 8              | 72-130  | 98    | 5                   | 1-7     | 2.6   | 8                    | 1.5-7.2 | 5.20  |
| 123       | Chianung Sen 25       | 8                | 90-108  | 99    | 3                         | 1-5     | -   | 3 | 7              | 71-114  | 95    | 5                   | 0-6     | 1.8   | 8                    | 1.7-5.4 | 3.84  |
| 124       | Chianung Sen Yu 23    | 8                | 85-108  | 96    | 3                         | 1-5     | -   | 3 | 8              | 71-107  | 94    | 5                   | 0-2     | 1.0   | 8                    | 2.2-6.4 | 4.91  |
| 125       | IR 11248-13-2-3       | 8                | 90-109  | 98    | 3                         | 1-3     | -   | 3 | 8              | 63-100  | 87    | 5                   | 0-2     | 1.0   | 9                    | 2.2-8.4 | 4.24  |
| 126       | CR 261-7039-236       | 8                | 90-109  | 97    | 3                         | 2-3     | -   | 3 | 8              | 71-107  | 93    | 5                   | 0-7     | 3.0   | 9                    | 1.9-6.5 | 4.70  |
| 127       | P 1369-4-16M-1-2M-4   | 7                | 90-110  | 98    | 3                         | 1-3     | -   | 3 | 7              | 72-105  | 93    | 5                   | 0-9     | 3.8   | 8                    | 3.9-6.8 | 5.63  |
| 128       | P 2030 F4-188-18-18   | 8                | 93-108  | 100   | 3                         | 1-3     | -   | 3 | 8              | 65-109  | 93    | 5                   | 0-6     | 1.8   | 8                    | 2.4-6.8 | 4.60  |
| 129       | P 2025 F4-159-18-18   | 8                | 90-110  | 103   | 3                         | 0-1     | -   | 3 | 8              | 64-109  | 95    | 5                   | 0-2     | 1.0   | 8                    | 1.8-7.8 | 5.21  |
| 130       | IR 8192-31-2-1-2      | 8                | 90-119  | 102   | 3                         | 0-1     | -   | - | 8              | 69-109  | 96    | 5                   | 0-9     | 2.8   | 9                    | 1.8-7.6 | 4.53  |
| 131       | P 2020 F4-46-18-18    | 7                | 82-112  | 96    | 3                         | 1-2     | -   | - | 7              | 59-112  | 89    | 5                   | 1-9     | 4.4   | 7                    | 3.3-6.8 | 5.13  |
| 132       | Línea observación 2   | 8                | 90-109  | 100   | 3                         | 0-1     | -   | - | 8              | 67-107  | 95    | 5                   | 0-8     | 3.0   | 8                    | 2.4-5.3 | 3.98  |
| 133       | P 2023 F4-16-18-18    | 7                | 91-110  | 99    | 2                         | 1-1     | -   | 5 | 7              | 73-104  | 91    | 5                   | 0-3     | 1.2   | 8                    | 4.4-6.1 | 5.31  |
| 134       | P 2023 F4-53-18-18    | 8                | 90-110  | 102   | 3                         | 0-2     | -   | 1 | 8              | 67-107  | 95    | 5                   | 0-6     | 1.8   | 9                    | 2.8-6.1 | 4.33  |
| 135       | BW 170                | 8                | 85-111  | 100   | 3                         | 0-2     | -   | 3 | 8              | 66-100  | 89    | 5                   | 1-9     | 4.0   | 7                    | 3.2-7.0 | 4.80  |
| 136       | IR 9846-215-3         | 8                | 85-110  | 99    | 3                         | 0-2     | -   | 3 | 8              | 74-107  | 94    | 5                   | 1-9     | 5.8   | 9                    | 2.5-7.5 | 4.66  |
| 137       | IR 13419-113-1        | 7                | 90-110  | 103   | 3                         | 0-4     | -   | 5 | 7              | 89-117  | 98    | 4                   | 0-5     | 1.3   | 7                    | 1.9-7.9 | 4.59  |
| 138       | P 1397-4-9M-3-3M-3    | 7                | 95-112  | 104   | 2                         | 1-1     | -   | 3 | 7              | 72-122  | 98    | 5                   | 0-2     | 1.0   | 7                    | 3.9-7.6 | 5.50  |
| 139       | IR 11248-148-3-2-3-3  | 8                | 91-111  | 101   | 3                         | 0-1     | -   | 3 | 8              | 79-112  | 94    | 5                   | 0-7     | 2.0   | 9                    | 2.8-7.5 | 4.94  |
| 140       | CICA B (testigo)      | 7                | 90-113  | 101   | 4                         | 1-3     | -   | 1 | 7              | 90-102  | 94    | 4                   | 1-8     | 5.8   | 8                    | 1.8-8.3 | 5.54  |
| 141       | IR 17492-18-6-1-1-3-3 | 8                | 90-113  | 100   | 3                         | 0-3     | -   | 5 | 7              | 55-102  | 87    | 4                   | 0-9     | 4.5   | 8                    | 2.9-7.0 | 4.80  |
| 142       | IR 3351-38-3-1        | 8                | 85-119  | 108   | 3                         | 0-1     | -   | 3 | 5              | 70-104  | 90    | 5                   | 0-5     | 1.6   | 9                    | 1.2-5.3 | 3.00  |
| 143       | CR 1002               | 8                | 90-115  | 107   | 3                         | 0-2     | -   | - | 7              | 84-142  | 107   | 4                   | 1-6     | 3.3   | 8                    | 2.1-8.3 | 5.55  |
| 144       | P 2020 F4-160-18-18   | 7                | 90-114  | 101   | 2                         | 1-2     | -   | 3 | 7              | 69-112  | 95    | 5                   | 1-7     | 3.4   | 7                    | 4.1-6.7 | 5.26  |
| 145       | B 2360-2-3-1-9-5      | 7                | 90-123  | 104   | 2                         | 1-3     | -   | 3 | 7              | 69-112  | 92    | 5                   | 0-3     | 1.2   | 6                    | 0.6-5.5 | 3.70  |

Continúa...

Cuadro 3.6 (Continuación)

| Línea<br>no. | Designación              | Floración<br>(días) |         |       | Piricularia <sup>a</sup> |         |     |   | Altura           |         |       | Vuelco <sup>b</sup> |         |       | Rendimiento<br>(ton/ha) |         |       |
|--------------|--------------------------|---------------------|---------|-------|--------------------------|---------|-----|---|------------------|---------|-------|---------------------|---------|-------|-------------------------|---------|-------|
|              |                          | No.de<br>Pruebas    | Min-Max | Prom. | BT                       |         | NBT |   | No.de<br>Pruebas | Min-Max | Prom. | No.de<br>Pruebas    | Min-Max | Prom. | No.de<br>Pruebas        | Min-Max | Prom. |
|              |                          |                     |         |       | No.de<br>Pruebas         | Min-Max | 2   | 8 |                  |         |       |                     |         |       |                         |         |       |
| 146          | IR 4427-315-2-3          | 8                   | 85-113  | 103   | 3                        | 0-3     | -   | 1 | 7                | 86-114  | 98    | 5                   | 0-7     | 2.0   | 8                       | 2.9-5.6 | 4.13  |
| 147          | A 15-100-1-3-1           | 8                   | 90-113  | 100   | 3                        | 0-1     | -   | 1 | 7                | 67-130  | 104   | 5                   | 0-6     | 2.6   | 8                       | 1.8-7.3 | 5.14  |
| 148          | CIAT-ICA 5               | 8                   | 85-116  | 103   | 4                        | 1-3     | -   | - | 7                | 69-107  | 93    | 4                   | 1-5     | 2.8   | 7                       | 3.7-7.1 | 5.70  |
| 149          | P 2020 F4-5-18-18        | 7                   | 93-116  | 101   | 2                        | 1-1     | -   | 1 | 7                | 76-109  | 92    | 5                   | 0-4     | 2.2   | 8                       | 4.6-8.4 | 5.94  |
| 150          | IR 9852-53-2             | 8                   | 90-116  | 105   | 3                        | 0-1     | -   | 1 | 7                | 78-112  | 95    | 5                   | 0-6     | 2.2   | 7                       | 2.0-7.6 | 4.50  |
| 151          | IR 34'75-G2CO-CNT 84-1-1 | 8                   | 95-116  | 107   | 3                        | 0-1     | -   | - | 7                | 85-140  | 106   | 4                   | 1-7     | 4.0   | 8                       | 1.4-6.6 | 3.91  |
| 152          | B 2360-2-3-1-9-1         | 7                   | 95-117  | 109   | 2                        | 1-4     | -   | 3 | 7                | 64-112  | 97    | 5                   | 0-6     | 1.8   | 7                       | 1.4-7.6 | 4.20  |
| 153          | P 2030 F4-82-18-18       | 8                   | 90-122  | 110   | 3                        | 1-3     | -   | 0 | 7                | 74-119  | 95    | 5                   | 0-1     | 0.8   | 8                       | 3.1-6.9 | 4.98  |
| 154          | IR 10781-75-3-2-2        | 8                   | 95-116  | 104   | 3                        | 0-1     | -   | 0 | 7                | 79-122  | 103   | 5                   | 0-6     | 2.2   | 9                       | 3.3-8.2 | 5.29  |
| 155          | P 2019 F4-118-18-18      | 8                   | 90-120  | 100   | 2                        | 1-2     | -   | 3 | 7                | 89-112  | 96    | 5                   | 0-2     | 1.0   | 7                       | 1.7-7.6 | 4.31  |
| 156          | IR 11288-8-8-445-1       | 7                   | 95-122  | 114   | 3                        | 0-1     | -   | 5 | 7                | 77-122  | 94    | 5                   | 1-5     | 2.4   | 8                       | 1.7-7.7 | 4.00  |
| 157          | P 1383-8-11M-3-18        | 7                   | 85-122  | 110   | 2                        | 1-2     | -   | 3 | 7                | 79-112  | 96    | 5                   | 0-2     | 1.0   | 6                       | 2.7-7.0 | 4.28  |
| 158          | P 2030 F4-58-18-18       | 8                   | 90-120  | 103   | 3                        | 0-1     | -   | 3 | 7                | 79-104  | 90    | 5                   | 0-3     | 1.2   | 8                       | 3.2-6.6 | 4.51  |
| 159          | P 2030 F4-232-18-18      | 8                   | 90-120  | 101   | 3                        | 1-3     | -   | 3 | 7                | 77-112  | 94    | 5                   | 0-3     | 1.2   | 8                       | 3.3-6.2 | 4.69  |
| 160          | Chinese                  | 6                   | 91-110  | 99    | 3                        | 1-4     | -   | 3 | 6                | 88-107  | 97    | 4                   | 0-4     | 2.0   | 7                       | 2.9-8.6 | 5.24  |

a. Según escala internacional 0-9

b. Según escala internacional 0-9: 0 = sin volcamiento; 9 = 100% de volcamiento

Cuadro 3.7 Días a floración del germoplasma del Quinto Vivero Internacional de Observación de Arroz para América Latina (VIOAL, 1982), sembrado en 13 localidades bajo condiciones de secano favorecido.

| Línea no. | Número de localidad <sup>a</sup> / Floración (días) |     |    |    |    |    |     |    |                 |     |     |    |     | Min-Max | Prom. |
|-----------|---|-----|----|----|----|----|-----|----|-----------------|-----|-----|----|-----|---------|-------|
|           | 3   | 6   | 9  | 10 | 11 | 12 | 13  | 14 | 15 <sup>b</sup> | 17  | 19  | 20 | 26  |         |       |
| 1         | 91  | 89  | 92 | 81 | 38 | 90 | 89  | 80 | 82              | 81  | 93  | 73 | 97  | 73- 97  | 87    |
| 2         | 88  | 85  | 74 | 72 | 73 | 85 | 89  | 76 | 78              | 81  | 79  | 73 | 79  | 72- 89  | 80    |
| 3         | 89  | 83  | 76 | 76 | 74 | 90 | 89  | 75 | 78              | 74  | 82  | 70 | 79  | 70- 90  | 80    |
| 4         | 89  | 83  | 75 | 76 | 73 | 90 | 89  | 75 | 78              | 74  | 82  | 73 | 89  | 73- 90  | 80    |
| 5         | 89  | 87  | 70 | 72 | 74 | 90 | 91  | 73 | 78              | 74  | 82  | 75 | 78  | 70- 91  | 80    |
| 6         | 90  | -   | 76 | 76 | 75 | 84 | 91  | 78 | 86              | 81  | 79  | 73 | 82  | 73- 91  | 81    |
| 7         | 90  | 89  | 68 | 72 | 71 | 85 | 89  | 78 | 82              | 74  | 82  | 77 | 76  | 68- 90  | 79    |
| 8         | 88  | 86  | 70 | 72 | 74 | 85 | 89  | 78 | 82              | 77  | 76  | 75 | 76  | 70- 89  | 79    |
| 9         | 88  | 86  | 78 | 77 | 80 | 79 | 89  | 80 | 82              | 77  | 85  | 81 | 86  | 77- 89  | 82    |
| 10        | 91  | 81  | 75 | 72 | 74 | 90 | 89  | 75 | 82              | 77  | 82  | 77 | 77  | 72- 91  | 80    |
| 11        | 92  | 83  | 80 | 77 | 77 | 93 | 91  | 75 | 88              | 77  | 83  | 80 | 83  | 75- 93  | 83    |
| 12        | 97  | 89  | 87 | 78 | 85 | 93 | 98  | 86 | 88              | 88  | 93  | 81 | 92  | 81- 98  | 89    |
| 13        | 97  | 90  | 92 | 88 | 90 | 90 | 96  | 85 | 85              | 95  | 98  | 80 | 99  | 80- 99  | 92    |
| 14        | 93  | 89  | 82 | 84 | 81 | 90 | 100 | 85 | 85              | 88  | 98  | 81 | 93  | 81-100  | 89    |
| 15        | 98  | 93  | 86 | 88 | 90 | 97 | 100 | 84 | 85              | 95  | 101 | 86 | 96  | 84-101  | 93    |
| 16        | 92  | 88  | 81 | 85 | 82 | 85 | 106 | 85 | 85              | 88  | 98  | 90 | 88  | 81-106  | 89    |
| 17        | 90  | 90  | 70 | 77 | 78 | 85 | 100 | 78 | 82              | 81  | 82  | 77 | 111 | 70-111  | 85    |
| 18        | 98  | 89  | 70 | 72 | 80 | 79 | 91  | 76 | 75              | 81  | 82  | 90 | 111 | 70-111  | 85    |
| 19        | 97  | 90  | 78 | 79 | 81 | 79 | 98  | 78 | 88              | 84  | 85  | 79 | 91  | 78- 97  | 85    |
| 20        | 93  | 88  | 74 | 76 | 81 | 85 | 97  | 78 | 82              | 81  | 87  | 77 | 82  | 74- 97  | 83    |
| 21        | 96  | 100 | 87 | 86 | 88 | 93 | 97  | 85 | 85              | 99  | 98  | 77 | 94  | 77-100  | 92    |
| 22        | 97  | 93  | 86 | 86 | 86 | 97 | 98  | 85 | 85              | 99  | 98  | 83 | 92  | 83- 99  | 92    |
| 23        | 97  | 99  | 91 | 86 | 88 | 93 | 98  | 85 | 85              | 95  | 93  | 82 | 92  | 82- 99  | 92    |
| 24        | 96  | 93  | 91 | 84 | 89 | 90 | 97  | 85 | 82              | 95  | 98  | 81 | 91  | 81- 98  | 91    |
| 25        | 98  | 96  | 96 | 96 | 96 | 97 | 100 | 90 | 85              | 99  | 104 | 88 | 103 | 88-104  | 97    |
| 26        | 97  | 98  | 96 | 94 | 99 | 97 | 100 | 90 | 85              | 103 | 109 | 88 | 103 | 88-109  | 98    |
| 27        | 99  | 94  | 92 | 88 | 91 | 97 | 100 | 86 | 82              | 96  | 98  | 81 | 99  | 81-100  | 93    |
| 28        | 96  | 99  | 92 | 91 | 98 | 97 | 96  | 87 | 85              | 96  | 100 | 86 | 99  | 86-100  | 95    |
| 29        | 94  | 97  | 91 | 86 | 92 | 97 | 100 | 86 | 88              | 96  | 95  | 80 | 91  | 80-100  | 92    |
| 30        | -   | 95  | 91 | 86 | 93 | 93 | 100 | 86 | 85              | 95  | 102 | 88 | 98  | 86-102  | 93    |

Continúa...



Cuadro 3.7 (Continuación)

| Línea<br>no. | Número de localidad <sup>a</sup> / Floración (días) |     |     |     |     |     |     |     |                 |     |     |     |     | Min-Max | Prom. |
|--------------|---|-----|-----|-----|-----|-----|-----|-----|-----------------|-----|-----|-----|-----|---------|-------|
|              | 3   | 6   | 9   | 10  | 11  | 12  | 13  | 14  | 15 <sup>b</sup> | 17  | 19  | 20  | 26  |         |       |
| 31           | 89  | 94  | 82  | 79  | 83  | 90  | 91  | 80  | 82              | 88  | 87  | 77  | 88  | 77- 94  | 86    |
| 32           | 89  | 95  | 80  | 84  | 85  | 90  | 91  | 78  | 82              | 88  | 85  | 77  | 88  | 77- 95  | 86    |
| 33           | 89  | 94  | 79  | 86  | 86  | 90  | 97  | 83  | 78              | 89  | 85  | 76  | 90  | 76- 97  | 87    |
| 34           | 93  | 95  | 91  | 88  | 93  | 93  | 102 | 86  | 85              | 95  | 98  | 86  | 94  | 85-102  | 93    |
| 35           | 89  | 89  | 80  | 79  | 81  | 90  | 100 | 79  | 82              | 81  | 93  | 76  | 85  | 76-100  | 85    |
| 36           | 93  | 87  | 81  | 78  | 84  | 90  | 91  | 80  | 75              | 81  | 82  | 76  | 87  | 78- 93  | 84    |
| 37           | 92  | 90  | 82  | 77  | 81  | 93  | 97  | 81  | 82              | 81  | 85  | 76  | 84  | 76- 97  | 85    |
| 38           | -   | 95  | 96  | 92  | 93  | 97  | 102 | 84  | 85              | 95  | 100 | 87  | 98  | 84-102  | 94    |
| 39           | -   | 100 | 106 | 104 | 102 | 100 | 102 | 90  | 95              | 103 | 109 | 96  | 107 | 90-109  | 102   |
| 40           | 95  | 100 | 92  | 88  | 90  | 97  | 100 | 87  | 85              | 91  | 100 | 86  | 97  | 86-100  | 94    |
| 41           | 95  | 93  | 92  | 88  | 91  | 97  | 94  | 85  | 85              | 95  | 98  | 83  | 97  | 83- 97  | 92    |
| 42           | -   | 98  | 95  | 88  | 95  | 97  | 102 | 86  | 90              | 95  | 102 | 83  | 100 | 83-102  | 95    |
| 43           | -   | 95  | 92  | 92  | 93  | 97  | 99  | 84  | 82              | 95  | 93  | 86  | 100 | 84-100  | 93    |
| 44           | -   | 101 | 96  | 94  | 94  | 100 | 90  | 86  | 95              | 99  | 104 | 93  | 102 | 86-102  | 96    |
| 45           | 95  | 96  | 92  | 84  | 92  | 100 | 96  | 87  | 90              | 95  | 95  | 81  | 93  | 81-100  | 92    |
| 46           | 98  | 93  | 108 | 106 | 108 | 104 | 100 | 86  | 90              | 95  | 103 | 83  | 119 | 83-119  | 100   |
| 47           | 100   | 88  | 94  | 91  | 94  | 100 | 102 | 86  | 90              | 95  | 103 | 97  | 101 | 86-103  | 96    |
| 48           | 100   | 100 | 80  | 86  | 84  | 90  | 92  | 79  | 85              | 89  | 98  | 84  | 98  | 79-100  | 90    |
| 49           | 96  | 98  | 92  | 91  | 88  | 97  | 90  | 90  | 95              | 98  | 102 | 94  | 98  | 88-102  | 94    |
| 50           | 94  | 98  | 92  | 86  | 86  | 93  | 94  | 86  | 95              | 88  | 98  | 84  | 101 | 86-101  | 92    |
| 51           | 93  | 101 | 81  | 73  | 76  | 93  | 91  | 78  | 92              | 81  | 79  | 73  | 85  | 73-101  | 84    |
| 52           | 96  | 102 | 105 | 91  | 97  | 100 | 112 | 90  | 95              | 95  | 104 | 97  | 110 | 90-112  | 100   |
| 53           | 97  | 101 | 113 | 108 | 108 | 100 | 106 | 89  | 92              | 96  | 102 | 118 | 132 | 89-132  | 106   |
| 54           | 92  | 99  | 86  | 77  | 83  | 93  | 100 | 84  | 90              | 88  | 91  | 118 | 91  | 77-118  | 92    |
| 55           | 94  | 102 | 97  | 91  | 94  | 97  | 108 | 87  | 92              | 91  | 104 | 94  | 99  | 87-108  | 97    |
| 56           | -   | 104 | 107 | 91  | 90  | 97  | 106 | 89  | 95              | 88  | 103 | 94  | 96  | 88-107  | 97    |
| 57           | -   | 109 | 115 | 114 | 107 | 100 | 118 | 101 | 98              | 99  | 119 | 101 | 119 | 98-119  | 109   |
| 58           | 96  | 114 | 107 | 110 | 107 | 97  | 115 | 102 | 105             | 103 | 103 | 98  | 119 | 96-119  | 106   |
| 59           | 97  | 104 | 107 | 109 | 102 | 97  | 106 | 92  | 98              | 95  | 102 | 88  | 116 | 88-116  | 101   |
| 60           | 98  | 101 | 93  | 91  | 93  | 97  | 102 | 88  | 95              | 95  | 98  | 96  | 101 | 88-102  | 96    |

Continúa...

Cuadro 3.7 (Continuación)

| Línea<br>no. | Número de localidad <sup>a</sup> / |     |     |     |     |     |     |    |                 |     | Floración (días) |     |     |         |       |
|--------------|------------------------------------|-----|-----|-----|-----|-----|-----|----|-----------------|-----|------------------|-----|-----|---------|-------|
|              | 3                                  | 6   | 9   | 10  | 11  | 12  | 13  | 14 | 15 <sup>b</sup> | 17  | 19               | 20  | 26  | Min-Max | Prom. |
| 61           | 91                                 | 104 | 79  | 86  | 87  | 79  | 100 | 78 | 90              | 84  | 91               | 87  | 95  | 78-104  | 88    |
| 62           | 92                                 | 105 | 108 | 100 | 99  | 97  | 108 | 87 | 98              | 89  | 114              | 97  | 115 | 87-115  | 101   |
| 63           | 95                                 | 104 | 113 | 92  | 96  | 104 | 109 | 96 | 98              | 95  | 104              | 87  | 108 | 87-113  | 100   |
| 64           | 95                                 | 104 | 104 | 106 | 102 | 100 | 108 | 94 | 98              | 95  | 111              | 89  | 119 | 89-119  | 102   |
| 65           | 96                                 | 103 | 108 | 110 | 102 | 104 | 108 | 96 | 102             | 95  | 114              | 94  | 123 | 94-123  | 104   |
| 66           | 93                                 | 101 | 92  | 100 | 98  | 90  | 108 | 85 | 95              | 84  | 103              | 87  | 107 | 84-108  | 96    |
| 67           | 89                                 | 105 | 106 | 106 | 102 | 93  | 102 | 87 | 95              | 95  | 104              | 90  | 111 | 87-111  | 99    |
| 68           | 91                                 | 197 | 110 | 100 | 101 | 97  | 100 | 90 | 92              | 91  | 104              | 88  | 105 | 88-110  | 99    |
| 69           | 93                                 | 103 | 107 | 100 | 100 | 97  | 106 | 87 | 95              | 91  | 104              | 88  | 114 | 87-114  | 99    |
| 70           | 101                                | 107 | 107 | 109 | 102 | 97  | 112 | 94 | 98              | 99  | 104              | 93  | 116 | 93-116  | 103   |
| 71           | 95                                 | 102 | 97  | 106 | 100 | 93  | 102 | 89 | 92              | 95  | 133              | 86  | 119 | 86-133  | 101   |
| 72           | 97                                 | 103 | 104 | 110 | 100 | 100 | 102 | 94 | 98              | 99  | 104              | 88  | 122 | 88-122  | 102   |
| 73           | 97                                 | 105 | 108 | 110 | 102 | 100 | 115 | 96 | 98              | 99  | 110              | 96  | 123 | 96-123  | 105   |
| 74           | 103                                | 101 | 98  | 104 | 100 | 93  | 110 | 85 | 92              | 95  | 103              | 118 | 113 | 85-118  | 102   |
| 75           | -                                  | 107 | 107 | 110 | 102 | 97  | 115 | 88 | 98              | 109 | 114              | 98  | 123 | 88-123  | 106   |
| 76           | 98                                 | 102 | 98  | 110 | 102 | 100 | 104 | 88 | 98              | 109 | 114              | 95  | 116 | 88-116  | 103   |
| 77           | 97                                 | 101 | 97  | 105 | 102 | 97  | 108 | 86 | 95              | 95  | 104              | 93  | 114 | 86-114  | 100   |
| 78           | 97                                 | 107 | 98  | 110 | 108 | 100 | 108 | 86 | 95              | 99  | 111              | 96  | 125 | 86-125  | 104   |
| 79           | 93                                 | 100 | 94  | 94  | 99  | 93  | 108 | 85 | 88              | 91  | 100              | 88  | 110 | 85-110  | 96    |
| 80           | 95                                 | 103 | 99  | 96  | 99  | 104 | 102 | 86 | 95              | 95  | 103              | 89  | 108 | 86-108  | 98    |
| 81           | 95                                 | 96  | 108 | 112 | 109 | 97  | 108 | 95 | 98              | 102 | 112              | 99  | 113 | 95-113  | 104   |
| 82           | 102                                | 106 | 111 | 113 | 107 | 97  | 104 | 96 | 98              | 102 | 112              | 98  | 124 | 96-124  | 106   |
| 83           | 103                                | 103 | 108 | 112 | 107 | 97  | 108 | 94 | 98              | 101 | 109              | 98  | 121 | 94-121  | 105   |
| 84           | 101                                | 106 | 108 | 110 | 107 | 97  | 112 | 95 | 98              | 101 | 112              | 98  | 133 | 95-133  | 107   |
| 85           | -                                  | 107 | 99  | 105 | 100 | 93  | 108 | 96 | 98              | 101 | 109              | 77  | 124 | 77-124  | 102   |
| 86           | 100                                | 107 | 99  | 105 | 101 | 97  | 108 | 89 | 95              | 99  | 109              | 97  | 117 | 89-117  | 102   |
| 87           | 92                                 | 103 | 94  | 90  | 92  | 90  | 108 | 82 | 90              | 95  | 98               | 86  | 96  | 82-108  | 94    |
| 88           | 93                                 | 101 | 112 | 106 | 103 | 93  | 128 | 84 | 102             | 101 | -                | 97  | 116 | 84-120  | 103   |
| 89           | 98                                 | 104 | 114 | 113 | 112 | 97  | 134 | 98 | 105             | 101 | -                | 99  | 128 | 97-134  | 109   |
| 90           | 95                                 | 101 | 93  | 90  | 98  | 93  | 108 | 88 | 88              | 95  | 98               | 86  | 98  | 86-108  | 95    |

Continúa...

Cuadro 3.7 (Continuación)

| Línea<br>no. | Número de localidad <sup>a</sup> / |     |     |     |     |     |     |     |                 |     | Floración (días) |     |     |         |       |
|--------------|------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----------------|-----|------------------|-----|-----|---------|-------|
|              | 3                                  | 6   | 9   | 10  | 11  | 12  | 13  | 14  | 15 <sup>b</sup> | 17  | 19               | 20  | 26  | Min-Max | Prom. |
| 91           | 95                                 | 104 | 109 | 100 | 102 | 100 | 115 | 105 | 98              | 105 | 109              | 97  | 109 | 95-115  | 104   |
| 92           | -                                  | 108 | 109 | 106 | 110 | 107 | 125 | 105 | 105             | 105 | 111              | 106 | 116 | 105-125 | 110   |
| 93           | -                                  | 107 | 110 | 102 | 110 | 104 | 112 | 105 | 105             | 105 | 112              | 101 | 110 | 101-112 | 107   |
| 94           | -                                  | 109 | 112 | 106 | 110 | 107 | 115 | 104 | 103             | 105 | 112              | 101 | 115 | 101-115 | 109   |
| 95           | 96                                 | 106 | 114 | -   | 109 | 107 | 125 | 105 | 105             | 105 | 111              | 98  | 125 | 96-125  | 109   |
| 96           | 97                                 | 107 | 113 | -   | 102 | 104 | 112 | 100 | 105             | 105 | 121              | 99  | 127 | 97-127  | 108   |
| 97           | 96                                 | -   | 115 | 115 | 116 | 107 | 120 | 102 | 111             | 111 | 132              | 106 | 129 | 96-132  | 114   |
| 98           | 95                                 | 108 | 110 | 102 | 104 | 104 | 115 | 98  | 105             | 101 | 111              | 99  | 113 | 95-115  | 105   |
| 99           | 94                                 | 104 | 111 | 105 | 102 | 100 | 108 | 95  | 98              | 101 | 109              | 93  | 107 | 93-108  | 102   |
| 100          | -                                  | 104 | 110 | 102 | 109 | 104 | 112 | 98  | 105             | 105 | 111              | 96  | 114 | 96-114  | 106   |
| 101          | -                                  | 106 | 110 | 103 | 116 | 104 | 123 | 98  | 108             | 109 | 122              | 102 | 126 | 98-126  | 111   |
| 102          | 95                                 | -   | 110 | 115 | 122 | 104 | 112 | 102 | 108             | 111 | 120              | 104 | 129 | 95-129  | 112   |
| 103          | 95                                 | -   | 108 | 110 | 111 | 104 | 110 | 100 | 102             | 107 | 114              | 99  | 116 | 95-116  | 107   |
| 104          | 96                                 | 106 | 112 | 115 | 116 | 104 | 123 | 104 | 105             | 109 | 117              | 104 | 132 | 96-132  | 112   |
| 105          | 97                                 | 108 | 114 | 115 | 116 | 100 | 112 | 103 | 111             | 111 | 124              | 105 | 130 | 97-130  | 111   |
| 106          | 95                                 | 106 | 108 | 92  | 103 | 97  | 108 | 98  | 95              | 102 | 109              | 90  | 104 | 90-109  | 101   |
| 107          | 95                                 | 103 | 113 | 115 | 113 | 107 | 120 | 100 | 108             | 109 | 124              | 100 | 122 | 95-124  | 110   |
| 108          | 97                                 | 110 | 106 | 100 | 100 | 107 | 108 | 98  | 102             | 101 | 111              | 96  | 108 | 96-111  | 104   |
| 109          | 99                                 | 104 | 107 | 115 | 111 | 104 | 110 | 98  | 108             | 105 | 111              | 100 | 127 | 98-127  | 108   |
| 110          | -                                  | 111 | 92  | 92  | 91  | 97  | 108 | 86  | 102             | 92  | 100              | 86  | 107 | 86-111  | 97    |
| 111          | 95                                 | 101 | 92  | 94  | 87  | 93  | 108 | 90  | 105             | 101 | 100              | 94  | 97  | 87-108  | 96    |
| 112          | 95                                 | 103 | 91  | 98  | 88  | 97  | 108 | 87  | 105             | 101 | 100              | 93  | 96  | 87-108  | 96    |
| 113          | 95                                 | 102 | 104 | 100 | 99  | 97  | 108 | 96  | 102             | 99  | 112              | 93  | 110 | 93-112  | 101   |
| 114          | 97                                 | 106 | 109 | 107 | 104 | 97  | 110 | 86  | 102             | 105 | 116              | 96  | 113 | 86-116  | 104   |
| 115          | 97                                 | -   | 106 | 106 | 100 | 104 | 108 | 98  | 98              | 99  | 100              | 88  | 107 | 88-108  | 101   |
| 116          | -                                  | 104 | 114 | 110 | 100 | 114 | 108 | 100 | 105             | 105 | 85               | 102 | 115 | 85-115  | 105   |
| 117          | 97                                 | 110 | 108 | 96  | 98  | 104 | 106 | 92  | 98              | 105 | 108              | 93  | 107 | 92-110  | 102   |
| 118          | 95                                 | 102 | 109 | 110 | 102 | 104 | 106 | 92  | 98              | 105 | 85               | 96  | 122 | 85-122  | 102   |
| 119          | -                                  | 105 | 97  | 86  | 86  | 100 | 102 | 86  | 92              | 91  | 98               | 86  | 94  | 86-105  | 94    |
| 120          | -                                  | 98  | 116 | 115 | 111 | 104 | 118 | 105 | -               | 112 | 124              | 108 | 126 | 98-126  | 112   |

Continúa...

Cuadro 3.7 (Continuación)

| Línea<br>no. | Número de localidad <sup>a</sup> / Floración (días) |     |     |     |     |     |     |     |                 |     |     |     |     | Min-Max | Prom. |
|--------------|---|-----|-----|-----|-----|-----|-----|-----|-----------------|-----|-----|-----|-----|---------|-------|
|              | 3   | 6   | 9   | 10  | 11  | 12  | 13  | 14  | 15 <sup>b</sup> | 17  | 19  | 20  | 26  |         |       |
| 121          | 96  | 109 | 97  | -   | 93  | 97  | 102 | 86  | 95              | 95  | 100 | 87  | 103 | 87-109  | 97    |
| 122          | 96  | 104 | 106 | 94  | 100 | 97  | 106 | 96  | 95              | 95  | 109 | 89  | 107 | 89-109  | 100   |
| 123          | 95  | 110 | 106 | 108 | 100 | 97  | 112 | 98  | 102             | 101 | 123 | 94  | 124 | 94-124  | 106   |
| 124          | 96  | 116 | 107 | 92  | 100 | 97  | 111 | 98  | 102             | 95  | 116 | 93  | 107 | 93-116  | 102   |
| 125          | 97  | 110 | 108 | 94  | 92  | 100 | 108 | 87  | 98              | 91  | 103 | 91  | 103 | 87-110  | 99    |
| 126          | -   | 100 | 108 | 96  | 102 | 104 | 110 | 98  | 98              | 95  | 109 | 88  | 108 | 88-110  | 102   |
| 127          | -   | 105 | 109 | 96  | 103 | 104 | 106 | 98  | 98              | 96  | 109 | 86  | 114 | 86-114  | 102   |
| 128          | -   | 106 | 99  | 115 | 111 | 97  | 106 | 100 | 98              | 96  | 115 | 83  | 133 | 83-133  | 106   |
| 129          | -   | 107 | 110 | 110 | 106 | 97  | 104 | 100 | 98              | 95  | 116 | 96  | 119 | 95-119  | 105   |
| 130          | 95  | 110 | 111 | 110 | 101 | 97  | 110 | 88  | 98              | 91  | 116 | 96  | 122 | 88-122  | 104   |
| 131          | -   | 106 | 111 | 94  | 101 | 104 | 108 | 100 | 98              | 95  | 109 | 90  | 112 | 90-112  | 103   |
| 132          | 95  | 108 | 109 | 96  | 101 | 100 | 108 | 98  | 98              | 99  | 116 | 90  | 110 | 90-116  | 103   |
| 133          | -   | 112 | 107 | 94  | 90  | 97  | 108 | 88  | 98              | 91  | 109 | 88  | 103 | 88-112  | 99    |
| 134          | 96  | -   | 108 | 111 | 105 | 100 | 110 | 100 | 105             | 99  | 116 | 98  | 121 | 96-121  | 106   |
| 135          | 96  | -   | 113 | 108 | 108 | 111 | 106 | 102 | 108             | 102 | 116 | 105 | 119 | 96-119  | 108   |
| 136          | 96  | -   | 98  | 108 | 93  | 104 | 102 | 88  | 98              | 87  | 133 | 86  | 113 | 93-133  | 101   |
| 137          | -   | 115 | 112 | 100 | 102 | 107 | 110 | 100 | 105             | 95  | 116 | 105 | 125 | 95-125  | 108   |
| 138          | 96  | 92  | 109 | 100 | 102 | 104 | 110 | 94  | 111             | 102 | 116 | 100 | 107 | 92-116  | 103   |
| 139          | 96  | 112 | 107 | 94  | 99  | 97  | 102 | 90  | 102             | 95  | 111 | 93  | 105 | 90-112  | 100   |
| 140          | -   | 110 | 107 | 100 | 103 | 104 | 106 | 98  | 102             | 102 | 113 | 95  | 114 | 95-114  | 105   |
| 141          | 96  | 111 | 111 | 100 | 102 | 104 | 110 | 105 | 102             | 99  | 116 | 100 | 106 | 96-116  | 105   |
| 142          | -   | 122 | 114 | -   | 116 | 97  | 108 | 106 | 105             | 113 | 124 | 105 | 132 | 97-132  | 114   |
| 143          | 96  | 119 | 115 | 113 | 111 | 107 | 104 | 100 | 108             | 102 | 132 | 112 | 124 | 96-132  | 111   |
| 144          | -   | 105 | 107 | 100 | 105 | 104 | 103 | 106 | 98              | 99  | 109 | 96  | 115 | 96-115  | 104   |
| 145          | -   | 122 | 116 | 115 | 121 | 120 | 115 | 98  | 111             | 109 | 132 | 118 | 124 | 98-132  | 117   |
| 146          | 95  | 108 | 107 | 110 | 110 | 104 | 110 | 98  | 105             | 102 | 116 | 100 | 128 | 95-128  | 107   |
| 147          | 95  | 108 | 107 | 104 | 101 | 100 | 108 | 98  | 98              | 99  | 103 | 100 | 109 | 95-109  | 103   |
| 148          | -   | 106 | 105 | 106 | 104 | 104 | 102 | 98  | 108             | 99  | 111 | 100 | 114 | 98-114  | 104   |
| 149          | -   | 103 | 106 | 108 | 104 | 100 | 106 | 100 | 108             | 99  | 111 | 96  | 114 | 96-114  | 104   |
| 150          | 95  | 112 | 113 | 115 | 105 | 97  | 110 | 100 | 108             | 96  | 121 | 101 | 127 | 95-127  | 108   |

Continúa...

Cuadro 3.7 (Continuación)

| Línea<br>no. | Número de localidad <sup>a</sup> / Floración (días) |     |     |     |     |     |     |     |                 |     |     |     |     | Min-Max | Prom. |
|--------------|---|-----|-----|-----|-----|-----|-----|-----|-----------------|-----|-----|-----|-----|---------|-------|
|              | 3   | 6   | 9   | 10  | 11  | 12  | 13  | 14  | 15 <sup>b</sup> | 17  | 19  | 20  | 26  |         |       |
| 151          | 95  | 124 | 113 | 110 | 112 | 110 | 115 | 102 | 111             | 102 | 122 | 108 | 127 | 95-127  | 112   |
| 152          | -   | 114 | 116 | 110 | 117 | 114 | 120 | 105 | 115             | 102 | 132 | 155 | 129 | 102-155 | 119   |
| 153          | -   | 121 | 116 | 115 | 124 | 111 | 106 | 105 | 115             | 102 | 121 | 112 | 134 | 102-134 | 115   |
| 154          | 96  | 112 | 113 | 106 | 105 | 104 | 112 | 98  | 108             | 99  | 109 | 102 | 112 | 96-112  | 106   |
| 155          | 96  | 107 | 108 | 106 | 102 | 97  | 106 | 88  | 98              | 91  | 109 | 86  | 127 | 86-127  | 102   |
| 156          | -   | 119 | 117 | 115 | 115 | 104 | 120 | 105 | 111             | 105 | 120 | 106 | 133 | 104-133 | 114   |
| 157          | 97  | 121 | 117 | 115 | 120 | 111 | 118 | 104 | 108             | 105 | 121 | 102 | 134 | 97-134  | 114   |
| 158          | 97  | 119 | 111 | 110 | 109 | 104 | 108 | 98  | 98              | 99  | 109 | 95  | 117 | 95-119  | 106   |
| 159          | 97  | 120 | 112 | 106 | 107 | 104 | 110 | 100 | 105             | 99  | 103 | 119 | 112 | 97-120  | 107   |
| 160          | -   | -   | 111 | 98  | 102 | 107 | 115 | 98  | 102             | 99  | 111 | 96  | 110 | 98-115  | 105   |
| 161          | 107   | -   | 110 | -   | 102 | 100 | 106 | 98  | 102             | 101 | -   | 86  | 106 |         |       |

a. Ver nombre de las localidades en el cuadro 3.2

b. No se incluye en el promedio

Cuadro 3.8 Rendimiento (ton/ha) del germoplasma del Quinto Vivero Internacional de Observación de Arroz para América Latina (VIOAL, 1982), sembrado en 13 localidades bajo condiciones de secano favorecido.

| Línea no. | Número de localidad <sup>a</sup> / Rendimiento (ton/ha) <sup>b</sup> |     |     |     |     |     |     |     |     |     |     |     |     | Min-Max | Prom. |
|-----------|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------|-------|
|           | 3  | 6   | 9   | 10  | 11  | 12  | 13  | 14  | 15  | 17  | 19  | 20  | 26  |         |       |
| 1         | 2.6  | -   | 0.8 | 2.1 | 4.3 | 2.9 | 0.3 | 3.7 | -   | -   | 2.8 | 2.6 | 3.5 | 0.3-4.3 | 2.56  |
| 2         | 3.2  | 4.1 | 3.2 | 3.9 | 5.2 | 4.9 | 3.6 | 4.2 | -   | -   | 2.2 | 4.5 | 4.3 | 2.2-5.2 | 3.94  |
| 3         | 3.0  | 3.9 | 3.1 | 5.2 | 6.1 | 4.5 | 4.5 | 4.2 | -   | -   | 2.5 | 4.0 | 3.7 | 2.5-6.1 | 4.06  |
| 4         | 3.3  | -   | 2.4 | 4.7 | 6.2 | 5.8 | 4.2 | 3.8 | -   | -   | 2.0 | 4.1 | 4.7 | 2.0-6.2 | 4.12  |
| 5         | 3.2  | -   | 3.5 | 4.9 | 5.1 | 3.3 | 3.0 | 3.4 | -   | -   | 1.1 | 3.1 | 3.9 | 1.1-5.1 | 3.45  |
| 6         | 1.8  | -   | 3.3 | -   | 7.0 | 2.9 | 0.8 | 3.7 | -   | -   | 1.6 | 1.6 | 4.4 | 0.8-7.0 | 3.01  |
| 7         | 3.2  | 2.6 | 1.8 | 6.1 | 5.2 | 4.3 | 2.7 | 3.0 | -   | -   | 1.7 | 3.5 | 4.0 | 1.7-6.1 | 3.46  |
| 8         | 3.3  | 3.9 | 2.3 | 2.9 | 6.8 | 4.5 | 1.2 | 2.2 | -   | -   | 3.0 | 3.8 | 4.6 | 1.2-6.8 | 3.50  |
| 9         | 2.1  | 3.6 | 4.4 | 4.2 | 5.8 | 3.4 | 2.1 | 3.3 | -   | -   | 3.0 | 2.0 | 5.1 | 2.0-5.8 | 3.55  |
| 10        | 2.5  | 4.0 | 1.0 | -   | 6.1 | 3.5 | 3.0 | 3.5 | -   | -   | 2.3 | 4.7 | 3.8 | 1.0-6.1 | 3.44  |
| 11        | 3.1  | 3.8 | 1.7 | 7.0 | 6.5 | 3.7 | 2.8 | 4.3 | -   | -   | 3.0 | 4.7 | 4.9 | 1.7-7.0 | 4.14  |
| 12        | 2.8  | 4.2 | 2.7 | 6.3 | 6.6 | 4.9 | 3.3 | 4.3 | -   | -   | 3.7 | 4.4 | 5.5 | 2.7-6.6 | 4.43  |
| 13        | 1.7  | 5.0 | 3.9 | 6.8 | 7.2 | 5.0 | 2.6 | 4.7 | -   | -   | 3.1 | 3.3 | 5.1 | 1.7-7.2 | 4.40  |
| 14        | 3.0  | 5.0 | 2.6 | 8.0 | 6.3 | 5.0 | 3.9 | 4.4 | -   | -   | 1.8 | 3.3 | 4.7 | 1.8-8.0 | 4.36  |
| 15        | 1.7  | 3.3 | 1.8 | 7.7 | 6.2 | 4.4 | 4.0 | 3.2 | -   | -   | 2.1 | 4.3 | 5.6 | 1.7-7.7 | 4.03  |
| 16        | 3.6  | 2.8 | 2.6 | 6.7 | 5.0 | 3.6 | 4.1 | 4.1 | -   | -   | 2.3 | 3.1 | 5.1 | 2.3-6.7 | 3.91  |
| 17        | 3.7  | 3.0 | 5.4 | 9.1 | 6.1 | 6.0 | 4.9 | 3.9 | -   | -   | 3.2 | 3.7 | 5.2 | 3.0-9.1 | 4.93  |
| 18        | 3.6  | 3.3 | 2.9 | -   | 6.7 | 5.9 | 5.3 | 2.5 | -   | -   | 3.8 | 4.1 | 5.4 | 2.9-6.7 | 4.35  |
| 19        | 2.5  | 4.6 | 1.8 | 7.6 | 6.3 | 4.9 | 4.2 | 4.7 | -   | -   | 3.7 | 5.0 | 5.6 | 1.8-7.6 | 4.63  |
| 20        | 7.0  | 3.7 | 3.9 | 7.8 | 4.7 | 6.0 | 4.9 | 3.2 | -   | -   | 2.7 | 2.1 | 4.9 | 2.1-7.8 | 4.63  |
| 21        | 1.8  | 4.3 | 1.0 | 8.3 | 5.9 | 3.2 | 5.0 | 4.0 | -   | -   | 3.8 | 5.5 | 5.1 | 1.0-8.3 | 4.35  |
| 22        | 3.2  | 3.0 | 1.9 | 6.2 | 7.1 | 5.3 | 5.2 | 3.8 | -   | -   | 3.5 | 4.6 | 5.9 | 1.9-7.1 | 4.52  |
| 23        | 2.1  | 1.9 | 1.8 | -   | 4.7 | 3.7 | 4.3 | 2.2 | -   | -   | 2.7 | 4.4 | 5.5 | 1.8-5.5 | 3.33  |
| 24        | 2.4  | 3.1 | 1.3 | 7.1 | 6.0 | 5.7 | 4.8 | 4.6 | -   | -   | 2.4 | 4.2 | 4.6 | 1.3-7.1 | 4.20  |
| 25        | 1.5  | 3.5 | 5.0 | 5.1 | 5.8 | 5.0 | 3.4 | 2.9 | 4.7 | 2.7 | 2.6 | 4.3 | 3.9 | 1.5-5.8 | 3.81  |
| 26        | 2.6  | 2.3 | 4.8 | 5.5 | 6.4 | 5.1 | 4.8 | 2.7 | -   | 3.0 | 2.9 | 5.2 | 3.8 | 2.3-6.4 | 4.09  |
| 27        | 1.8  | 2.0 | 4.2 | 3.4 | 5.6 | 4.9 | 5.1 | 4.7 | -   | 2.4 | 1.8 | 4.2 | 4.6 | 1.8-5.6 | 3.73  |
| 28        | -  | 2.7 | 3.3 | -   | 4.7 | 3.8 | 2.6 | 4.9 | -   | 2.0 | 3.3 | 4.1 | 5.0 | 2.0-5.0 | 3.64  |
| 29        | 2.2  | 1.9 | 4.2 | 5.5 | 5.7 | 3.3 | 5.1 | 3.0 | -   | -   | 2.4 | 4.6 | 3.8 | 1.9-5.7 | 3.79  |
| 30        | -  | -   | 2.7 | 3.2 | 5.2 | 2.0 | 3.8 | 2.4 | -   | -   | 2.3 | 3.2 | 4.1 | 2.0-5.2 | 3.21  |

Continúa...

Cuadro 3.8 (Continuación)

| Línea<br>no. | Número de localidad <sup>a</sup> / Rendimiento (ton/ha) <sup>b</sup> |     |     |     |     |     |     |     |     |     |     |     |     | Min-Max | Prom. |
|--------------|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------|-------|
|              | 3  | 6   | 9   | 10  | 11  | 12  | 13  | 14  | 15  | 17  | 19  | 20  | 26  |         |       |
| 31           | 3.4  | 1.7 | 3.9 | 6.2 | 6.3 | 5.9 | 5.1 | 3.6 | -   | -   | 2.3 | 4.2 | 3.9 | 1.7-6.3 | 4.42  |
| 32           | 2.1  | 1.9 | 2.6 | 4.0 | 6.3 | 4.1 | 4.5 | 3.0 | -   | -   | 2.9 | 4.8 | 3.8 | 1.9-6.3 | 3.64  |
| 33           | 2.7  | 2.5 | 3.6 | 4.1 | 6.3 | 5.1 | 4.8 | 3.4 | -   | -   | 3.6 | 4.1 | 3.8 | 2.5-6.3 | 4.00  |
| 34           | 3.0  | 3.2 | 4.3 | 5.8 | 6.8 | 4.0 | 4.9 | 3.9 | 4.4 | -   | 2.9 | 4.6 | 5.2 | 2.9-6.8 | 4.42  |
| 35           | 2.7  | 3.5 | 4.4 | -   | 6.7 | 6.0 | 5.3 | 3.7 | 4.9 | -   | 3.8 | 4.2 | 4.5 | 2.7-6.7 | 4.48  |
| 36           | 2.2  | 2.9 | 2.2 | 4.8 | 6.8 | 3.4 | 3.8 | 3.2 | -   | -   | 2.5 | 4.5 | 3.6 | 2.2-6.8 | 3.63  |
| 37           | 2.6  | 2.7 | 1.7 | 5.9 | 5.8 | 4.2 | 3.9 | 2.7 | -   | -   | 2.1 | 4.8 | 4.4 | 1.7-5.9 | 3.71  |
| 38           | -  | 1.6 | 3.6 | -   | 6.6 | 3.2 | 1.9 | 2.9 | 5.1 | 2.5 | 3.8 | 4.1 | 4.5 | 1.6-6.6 | 3.40  |
| 39           | -  | 2.3 | 3.7 | 4.9 | 6.4 | 5.0 | 3.7 | 3.5 | 4.0 | 3.7 | 2.6 | 5.5 | 4.4 | 2.3-6.4 | 4.15  |
| 40           | 2.4  | 3.5 | 1.7 | 5.9 | 6.5 | 5.4 | 4.1 | 3.7 | -   | 2.0 | 2.3 | 3.8 | 4.8 | 1.7-6.5 | 3.84  |
| 41           | 2.7  | 2.8 | 0.6 | -   | 5.8 | 3.3 | 2.9 | 3.7 | -   | 1.8 | 2.5 | 2.7 | 4.6 | 0.6-5.8 | 3.04  |
| 42           | -  | 2.3 | 3.4 | -   | 5.5 | 3.2 | 1.8 | 4.7 | 4.9 | -   | 3.2 | 3.2 | 5.5 | 1.8-5.5 | 3.64  |
| 43           | -  | 2.7 | 1.1 | 2.7 | 5.5 | 3.1 | 3.4 | 3.9 | 4.0 | 2.5 | 3.8 | 3.8 | 5.1 | 1.1-5.5 | 3.42  |
| 44           | -  | 2.1 | 3.0 | 3.0 | 4.9 | 5.5 | 4.8 | 5.1 | 4.4 | 5.0 | 2.8 | 4.4 | 5.2 | 2.7-5.5 | 4.16  |
| 45           | 3.2  | 4.2 | 2.5 | 6.1 | 5.4 | 4.0 | 6.0 | 5.4 | -   | 2.9 | 2.0 | 5.1 | 6.2 | 2.0-6.2 | 4.42  |
| 46           | 1.8  | 4.2 | 2.9 | 5.7 | 5.7 | 3.2 | 5.1 | 4.6 | -   | 2.9 | 3.0 | 4.3 | 4.6 | 1.8-5.7 | 4.00  |
| 47           | 1.5  | 4.1 | 1.3 | -   | 5.3 | 3.6 | 3.8 | 4.7 | 4.5 | 2.5 | 2.3 | 5.5 | 4.9 | 1.3-5.3 | 3.59  |
| 48           | 2.1  | 2.8 | 2.3 | -   | 6.9 | 3.7 | 2.0 | 3.2 | -   | 2.2 | 2.0 | 4.9 | 5.8 | 2.0-6.9 | 3.45  |
| 49           | 3.6  | 2.7 | 1.6 | 4.2 | 6.9 | 5.4 | 3.3 | 3.9 | -   | 2.7 | 2.3 | 5.3 | 5.0 | 1.6-6.9 | 3.91  |
| 50           | 3.3  | 1.9 | 1.2 | 5.3 | 6.6 | 5.1 | 4.1 | 2.9 | -   | 2.3 | 3.0 | 4.1 | 4.2 | 1.9-6.6 | 3.67  |
| 51           | 3.6  | 2.5 | 2.8 | 5.5 | 6.8 | 5.7 | 3.4 | 2.5 | -   | -   | 1.3 | 1.9 | 4.4 | 1.3-6.8 | 3.67  |
| 52           | 2.8  | 3.4 | 3.8 | 5.3 | 6.3 | 5.4 | 1.7 | 4.3 | -   | 3.0 | 4.3 | 5.9 | 5.3 | 1.7-6.3 | 4.29  |
| 53           | 4.1  | 2.3 | 2.8 | 6.8 | 6.6 | 6.0 | 3.7 | 3.4 | 4.7 | 2.9 | 3.7 | 6.0 | 2.2 | 2.3-6.8 | 4.21  |
| 54           | -  | 1.5 | 0.8 | -   | 6.8 | 7.7 | 2.5 | 4.7 | 4.3 | 1.7 | 2.7 | 1.7 | 4.1 | 0.8-7.7 | 3.42  |
| 55           | 2.5  | 1.2 | 2.2 | 5.1 | 6.7 | 5.2 | 2.3 | 3.4 | -   | 2.3 | 4.6 | 5.5 | 5.5 | 1.2-6.7 | 3.88  |
| 56           | -  | 1.8 | 1.6 | -   | 6.8 | 0.8 | 0.4 | 3.2 | 4.9 | 2.8 | 2.5 | 3.7 | 3.4 | 0.4-6.8 | 2.70  |
| 57           | -  | 2.5 | 3.3 | 2.2 | 6.6 | 4.9 | 0.1 | 3.8 | 4.3 | 2.7 | 3.7 | 4.3 | 4.1 | 0.1-6.6 | 3.47  |
| 58           | 1.0  | 1.4 | 2.7 | -   | 5.7 | 4.1 | 0.4 | 2.5 | -   | 3.0 | 3.4 | 2.6 | 3.6 | 0.4-5.7 | 2.76  |
| 59           | 1.8  | 2.8 | 1.8 | 6.4 | 5.7 | 3.4 | 3.2 | 3.4 | -   | 2.7 | 3.3 | 4.4 | 4.9 | 1.8-6.4 | 3.65  |
| 60           | 0.8  | 3.4 | 1.7 | 2.4 | 7.0 | 6.0 | 4.5 | 4.1 | -   | 3.2 | 4.1 | 3.7 | 5.3 | 0.8-7.0 | 3.85  |

Continúa...

Cuadro 3.8 (Continuación)

| Línea<br>no. | Número de localidad <sup>a</sup> / Rendimiento (ton/ha) <sup>b</sup> |     |     |     |     |     |     |     |     |     |     |     | Min-Max | Prom.   |      |
|--------------|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------|---------|------|
|              | 3  | 6   | 9   | 10  | 11  | 12  | 13  | 14  | 15  | 17  | 19  | 20  |         |         | 26   |
| 61           | -  | 1.2 | 2.6 | 5.0 | 6.2 | 4.3 | 1.9 | 6.4 | -   | 1.6 | 3.8 | 4.1 | 5.9     | 1.2-6.2 | 3.91 |
| 62           | 3.7  | 3.2 | 1.7 | -   | -   | 5.4 | 2.9 | 4.2 | -   | 2.6 | 2.8 | 5.5 | 6.0     | 1.7-6.0 | 3.80 |
| 63           | 1.2  | 2.8 | 1.1 | 5.3 | 8.6 | 1.1 | 4.7 | 4.3 | 4.5 | 2.6 | 3.3 | 4.2 | 4.9     | 1.1-8.6 | 3.68 |
| 64           | 3.4  | 3.6 | 3.2 | 6.2 | 7.1 | 4.1 | 6.3 | 4.0 | 4.7 | 2.7 | 3.9 | 6.6 | 5.0     | 2.7-7.1 | 4.68 |
| 65           | 3.6  | 3.6 | 1.2 | 8.5 | 7.8 | 2.0 | 5.9 | 5.3 | 4.9 | 3.1 | 4.1 | 7.2 | 5.2     | 1.2-8.5 | 4.79 |
| 66           | 2.8  | 2.1 | 0.7 | 7.2 | 5.7 | 5.4 | 0.9 | 3.5 | 4.7 | 1.9 | 2.0 | 5.6 | 4.6     | 0.7-7.2 | 3.53 |
| 67           | 3.9  | 3.4 | 3.9 | 7.6 | 6.7 | 5.0 | 1.5 | 4.3 | 4.5 | 3.7 | 3.4 | 6.3 | 4.6     | 1.5-7.6 | 4.53 |
| 68           | 1.5  | 3.8 | 2.0 | 6.2 | 6.4 | 3.7 | 3.8 | 4.3 | -   | 3.4 | 3.2 | 5.2 | 3.8     | 1.5-6.2 | 3.94 |
| 69           | 3.5  | 3.3 | 2.1 | 8.2 | 7.1 | 6.4 | 3.8 | 4.1 | 4.6 | 2.2 | 2.5 | 5.4 | 5.4     | 2.1-8.2 | 4.50 |
| 70           | 3.0  | 4.0 | 2.7 | 7.7 | 6.9 | 5.7 | 1.6 | 5.0 | 4.8 | 2.7 | 2.8 | 7.2 | 4.8     | 1.6-7.7 | 4.51 |
| 71           | 3.9  | 3.1 | 3.7 | 7.4 | 7.0 | 5.4 | 1.8 | 4.1 | 5.5 | 1.7 | 2.2 | 6.1 | 4.9     | 1.7-7.4 | 4.28 |
| 72           | 3.7  | 4.3 | 2.2 | 5.3 | 6.6 | 4.5 | 0.5 | 5.0 | 3.7 | 2.2 | 3.8 | 5.6 | 4.9     | 0.5-6.6 | 4.05 |
| 73           | 3.8  | 5.3 | 4.8 | 8.0 | 7.4 | 5.3 | 1.2 | 4.7 | 5.2 | 2.1 | 3.8 | 5.4 | 5.2     | 1.2-8.0 | 4.75 |
| 74           | 2.8  | 4.3 | 3.0 | 8.0 | 7.5 | 5.8 | 2.3 | 4.0 | 4.8 | 1.8 | 3.2 | 5.1 | 5.1     | 1.8-8.0 | 4.41 |
| 75           | -  | 4.3 | 3.0 | -   | 5.7 | 5.6 | 1.6 | 4.9 | 4.4 | 2.2 | 4.4 | 4.2 | 4.4     | 1.6-5.7 | 4.03 |
| 76           | 1.6  | 4.1 | 4.6 | 8.1 | 7.0 | 6.8 | 3.1 | 4.6 | 5.1 | 3.1 | 3.4 | 5.6 | 5.6     | 1.6-8.1 | 4.80 |
| 77           | 2.8  | 3.8 | 4.5 | 6.6 | 6.2 | 6.2 | 2.4 | 5.2 | 4.2 | 2.9 | 3.1 | 6.5 | 6.1     | 2.4-6.6 | 4.69 |
| 78           | 2.1  | 3.5 | 4.5 | 7.1 | 5.7 | 6.3 | 1.6 | 4.6 | 4.5 | 3.3 | 5.2 | 5.6 | 3.6     | 1.6-7.1 | 4.43 |
| 79           | 3.5  | 3.4 | 2.8 | 8.3 | 6.3 | 6.7 | 1.9 | 5.4 | 5.6 | 1.7 | 3.5 | 5.5 | 4.6     | 1.7-8.3 | 4.47 |
| 80           | 2.9  | 3.6 | 6.0 | 7.3 | 7.3 | 5.8 | 2.9 | 4.9 | 4.6 | 2.9 | 3.8 | 5.7 | 4.6     | 2.9-7.3 | 4.81 |
| 81           | 2.8  | 3.7 | 3.1 | 8.2 | 5.4 | 4.2 | 2.6 | 4.9 | -   | 3.3 | 3.7 | 4.2 | 4.5     | 2.6-8.2 | 4.22 |
| 82           | 2.7  | 4.4 | 2.0 | 4.6 | 4.9 | 4.5 | 3.6 | 4.9 | -   | 3.8 | 3.7 | 5.0 | 4.4     | 2.0-5.0 | 4.04 |
| 83           | 2.4  | 4.5 | 2.3 | 5.4 | 4.6 | 4.2 | 1.7 | 4.7 | -   | 3.0 | 3.9 | 3.5 | 3.7     | 1.7-5.4 | 3.66 |
| 84           | 2.4  | 4.2 | 2.1 | 6.8 | 5.6 | 5.4 | 2.0 | 5.4 | -   | 3.1 | 4.1 | 4.8 | 3.9     | 2.1-6.8 | 4.15 |
| 85           | -  | 2.8 | 1.7 | 6.3 | 5.8 | 5.2 | 3.3 | 4.1 | 4.3 | 2.2 | 3.8 | 4.2 | 4.5     | 1.7-6.3 | 3.99 |
| 86           | 1.9  | 2.9 | 2.8 | 6.2 | 5.5 | 5.7 | 2.5 | 4.9 | 4.4 | 2.7 | 3.6 | 4.4 | 5.0     | 1.9-6.2 | 4.01 |
| 87           | -  | 2.6 | 3.2 | 6.9 | 5.9 | 5.8 | 3.8 | 4.8 | 4.5 | 3.0 | 2.3 | 5.3 | 3.8     | 2.3-6.9 | 4.31 |
| 88           | 2.2  | 3.9 | 3.1 | 5.7 | 4.7 | 3.2 | 0.6 | 3.5 | -   | 2.5 | 3.6 | 4.4 | 5.2     | 0.6-5.7 | 3.55 |
| 89           | 1.8  | 6.1 | 2.1 | 6.7 | 6.1 | 4.5 | 0.4 | 5.5 | -   | 4.4 | 5.0 | 6.6 | 4.1     | 0.4-6.7 | 4.44 |
| 90           | 3.0  | 5.3 | 5.1 | 8.3 | 6.8 | 5.9 | 3.9 | 4.5 | 4.4 | 3.3 | 3.8 | 6.0 | 5.5     | 3.0-8.3 | 4.82 |

Continúa...



Cuadro 3.8 (Continuación)

| Línea no. | Número de localidad <sup>a</sup> / Rendimiento (ton/ha) <sup>b</sup> |     |     |     |     |     |     |     |     |     |     |     |     | Min-Max | Prom. |
|-----------|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------|-------|
|           | 3  | 6   | 9   | 10  | 11  | 12  | 13  | 14  | 15  | 17  | 19  | 20  | 26  |         |       |
| 91        | 1.5  | 3.8 | 0.4 | 7.3 | 5.9 | 5.3 | 0.6 | 5.1 | -   | 4.6 | 3.5 | 5.1 | 5.4 | 0.4-7.3 | 4.04  |
| 92        | -  | 5.8 | 1.7 | 5.8 | 3.8 | 4.8 | 1.0 | 4.5 | 3.7 | 4.3 | 3.1 | 4.0 | 3.5 | 1.0-5.8 | 3.85  |
| 93        | -  | 4.4 | 1.7 | -   | 2.9 | 3.5 | 2.1 | 4.4 | 3.5 | 3.8 | 3.3 | 4.4 | 4.8 | 1.7-4.8 | 3.53  |
| 94        | -  | 4.2 | 2.7 | 6.7 | 5.1 | 5.8 | 2.1 | 4.3 | -   | 4.0 | 5.1 | 5.4 | 5.0 | 2.1-6.7 | 4.58  |
| 95        | 1.2  | 4.7 | 1.7 | -   | 4.0 | 4.6 | 0.8 | 4.0 | -   | 3.7 | 3.4 | 3.9 | 2.2 | 0.8-4.7 | 3.11  |
| 96        | 1.4  | 4.7 | 1.7 | -   | 3.1 | 4.4 | 0.4 | 3.7 | -   | 3.5 | 3.6 | 4.5 | 2.5 | 0.4-4.7 | 3.05  |
| 97        | 2.6  | 4.2 | 2.5 | 5.0 | 5.4 | 5.0 | 1.7 | 4.0 | -   | 4.0 | 3.9 | 5.0 | 3.3 | 1.7-5.4 | 3.88  |
| 98        | 2.4  | 4.0 | 3.0 | 7.7 | 6.3 | 5.2 | 1.0 | 5.4 | -   | 4.8 | 3.7 | 5.8 | 3.3 | 1.0-7.7 | 4.38  |
| 99        | 1.6  | 4.8 | 2.9 | -   | 5.9 | 5.2 | 2.2 | 4.7 | -   | 2.9 | 4.1 | 5.4 | 3.7 | 1.6-5.9 | 3.95  |
| 100       | -  | 4.6 | 3.8 | 8.3 | 6.6 | 4.9 | 2.9 | 5.8 | -   | 4.1 | 4.2 | 5.5 | 5.8 | 2.9-8.3 | 5.14  |
| 101       | -  | 4.9 | 3.1 | -   | 4.6 | 4.5 | 1.7 | 6.6 | 4.0 | 3.7 | 4.3 | 4.5 | 3.8 | 1.7-6.6 | 4.17  |
| 102       | 2.5  | 3.9 | 2.3 | 6.1 | 4.4 | 7.0 | 3.0 | 6.0 | 3.0 | 3.3 | 3.8 | 4.8 | 4.0 | 2.3-7.0 | 4.26  |
| 103       | 1.3  | 4.2 | 2.8 | 8.1 | 5.0 | 6.6 | 3.3 | 4.9 | -   | 3.1 | 4.1 | 4.0 | 3.1 | 1.3-8.1 | 4.21  |
| 104       | 1.0  | 3.5 | 2.2 | 5.1 | 4.5 | 4.3 | 0.5 | 4.3 | -   | 2.9 | 4.6 | 4.2 | 3.5 | 0.5-5.1 | 3.38  |
| 105       | 2.1  | 4.5 | 2.1 | 7.0 | 5.3 | 6.7 | 2.0 | 5.2 | -   | 3.8 | 3.8 | 5.5 | 3.4 | 2.0-7.0 | 4.28  |
| 106       | 2.1  | 3.1 | 1.2 | -   | 4.9 | 4.9 | 1.4 | 5.2 | -   | 3.6 | 2.8 | 4.9 | 3.5 | 1.2-5.2 | 3.42  |
| 107       | 0.5  | 4.6 | 3.4 | 6.4 | 6.4 | 4.4 | 1.3 | 5.1 | -   | 4.5 | 3.4 | 5.1 | 3.1 | 0.5-6.4 | 4.02  |
| 108       | 2.7  | 4.3 | 2.4 | -   | 6.6 | 4.5 | 1.7 | 4.7 | -   | 3.5 | 2.3 | 4.6 | 3.8 | 1.7-6.6 | 3.74  |
| 109       | 1.5  | 4.5 | 4.2 | 7.5 | 5.6 | 4.6 | 2.9 | 5.0 | -   | 4.9 | 3.2 | 6.5 | 2.8 | 1.5-7.5 | 4.43  |
| 110       | -  | 3.9 | 3.2 | 8.1 | 7.7 | 6.4 | 3.2 | 5.4 | 4.5 | 3.9 | 3.0 | 6.2 | 4.8 | 3.0-8.1 | 5.07  |
| 111       | 3.2  | 4.6 | 4.6 | -   | 7.6 | 5.2 | 3.8 | 4.0 | -   | 4.0 | 3.9 | 4.8 | 4.3 | 3.0-7.6 | 4.46  |
| 112       | 2.8  | 3.9 | 4.9 | -   | 7.6 | 6.1 | 4.2 | 4.1 | -   | 3.7 | 2.9 | 4.4 | 5.1 | 2.8-7.6 | 4.52  |
| 113       | 1.1  | 4.1 | 3.3 | -   | 5.6 | 5.0 | 3.4 | 3.7 | -   | 3.0 | 3.0 | 6.6 | 2.8 | 1.1-6.6 | 3.78  |
| 114       | 3.0  | 2.8 | 4.9 | 6.9 | 6.5 | 5.7 | 1.2 | 5.4 | 3.8 | 4.4 | 4.8 | 5.3 | 4.4 | 1.2-6.9 | 4.61  |
| 115       | 1.6  | 2.8 | 3.1 | 7.7 | 7.9 | 6.1 | 1.6 | 6.7 | -   | 4.1 | 4.1 | 4.2 | 6.3 | 1.6-7.9 | 4.68  |
| 116       | -  | 3.3 | 3.1 | 8.1 | 6.8 | 3.3 | 1.7 | 5.5 | -   | 3.6 | 4.8 | 5.2 | 4.2 | 1.7-8.1 | 4.51  |
| 117       | 1.7  | 2.3 | 4.4 | 7.0 | 6.9 | 4.4 | 6.7 | 4.9 | 5.5 | 3.5 | 4.1 | 5.4 | 4.0 | 1.7-7.0 | 4.61  |
| 118       | 0.6  | 3.1 | 3.9 | 6.9 | 6.9 | 4.7 | 5.9 | 5.3 | -   | 3.9 | 4.5 | 5.0 | 4.8 | 0.6-6.9 | 4.63  |
| 119       | -  | 2.6 | 5.0 | -   | 6.9 | 4.2 | 6.8 | 5.3 | -   | 3.9 | 2.0 | 5.2 | 5.9 | 2.0-6.9 | 4.78  |
| 120       | -  | 2.3 | 1.7 | 2.3 | 6.3 | 3.3 | 2.2 | 5.0 | -   | 3.9 | 4.6 | 5.5 | 4.6 | 1.7-6.3 | 3.79  |

Continúa...

Cuadro 3.8 (Continuación)

| Línea<br>no. | Número de localidad <sup>a</sup> / Rendimiento (ton/ha) <sup>b</sup> |     |     |     |     |     |     |     |     |     |     |     | Min-Max | Prom.   |      |
|--------------|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------|---------|------|
|              | 3  | 6   | 9   | 10  | 11  | 12  | 13  | 14  | 15  | 17  | 19  | 20  |         |         | 26   |
| 121          | 2.4  | 3.1 | 1.4 | -   | 5.6 | 5.3 | 4.2 | 4.4 | -   | 1.8 | 3.8 | 5.0 | 4.4     | 1.4-5.6 | 3.76 |
| 122          | 1.7  | 2.6 | 4.3 | 6.4 | 7.0 | 3.4 | 2.0 | 4.5 | 4.6 | 2.9 | 1.5 | 4.1 | 5.3     | 1.5-7.0 | 3.81 |
| 123          | 3.8  | 1.4 | 3.8 | 8.6 | 6.4 | 4.9 | 2.1 | 5.1 | 4.4 | 3.7 | 1.6 | 4.8 | 4.2     | 1.4-8.6 | 4.20 |
| 124          | 2.2  | 1.9 | 3.9 | 7.5 | 6.2 | 4.8 | 0.9 | 5.2 | 4.0 | 3.4 | 2.4 | 5.0 | 3.8     | 0.9-7.5 | 3.93 |
| 125          | 2.4  | -   | 3.4 | 8.2 | 6.5 | 1.6 | 3.2 | 4.2 | -   | 2.4 | 4.1 | 4.7 | 3.5     | 1.6-8.2 | 4.02 |
| 126          | -  | 3.1 | 2.8 | -   | 7.5 | 4.6 | 4.0 | 3.9 | 4.4 | 1.6 | 1.4 | 0.5 | 3.8     | 0.5-7.5 | 3.32 |
| 127          | -  | 3.1 | 2.5 | 8.7 | 7.2 | 4.1 | 5.5 | 5.2 | -   | 3.2 | 4.8 | 5.8 | 6.1     | 2.5-8.7 | 5.11 |
| 128          | -  | 3.2 | 1.4 | 6.4 | 7.5 | 3.5 | 4.7 | 4.4 | -   | 4.5 | 4.4 | 4.1 | 2.6     | 1.4-7.5 | 4.25 |
| 129          | -  | 2.0 | 2.8 | 8.6 | 7.1 | 6.0 | 3.6 | 4.8 | 5.3 | 4.5 | 4.5 | 5.2 | 3.4     | 2.0-8.6 | 4.77 |
| 130          | 1.2  | 2.0 | 1.6 | 6.8 | 6.7 | 5.9 | 1.3 | 4.1 | -   | 4.1 | 3.8 | 5.2 | 3.8     | 1.2-6.8 | 3.88 |
| 131          | -  | 2.8 | 2.5 | 8.9 | 7.4 | 5.1 | 4.9 | 6.1 | -   | 3.5 | 4.1 | 4.8 | 6.8     | 2.5-8.9 | 5.17 |
| 132          | 1.3  | 2.5 | 2.4 | 7.8 | 7.3 | 5.5 | 5.5 | 5.4 | -   | 4.0 | 3.5 | 6.2 | 4.5     | 1.3-7.8 | 4.66 |
| 133          | -  | 1.6 | 2.7 | 7.1 | 6.6 | 3.7 | 5.6 | 5.2 | -   | 3.3 | 3.8 | 5.8 | 4.7     | 1.6-7.1 | 4.55 |
| 134          | 3.6  | -   | 2.4 | -   | 7.6 | 4.1 | 4.4 | 3.7 | -   | 3.3 | 3.6 | 5.9 | 5.4     | 2.4-7.6 | 4.40 |
| 135          | 1.9  | -   | 3.7 | -   | 7.0 | 2.3 | 4.8 | 4.8 | -   | 3.4 | 3.7 | 4.3 | 5.5     | 1.9-7.0 | 4.14 |
| 136          | 0.7  | 0.9 | 2.3 | -   | 6.0 | 2.7 | 5.3 | 4.5 | -   | 2.5 | 3.5 | 1.2 | 5.9     | 0.7-6.0 | 3.23 |
| 137          | -  | 2.4 | 3.0 | -   | 6.2 | 1.6 | 3.3 | 4.8 | -   | 3.0 | 4.8 | 3.0 | 3.6     | 1.6-6.2 | 3.57 |
| 138          | 1.2  | 3.2 | 3.6 | 8.7 | 6.4 | 5.1 | 5.8 | 5.4 | -   | 3.7 | 4.0 | 5.7 | 5.8     | 1.2-8.7 | 4.88 |
| 139          | 2.0  | 1.6 | 3.1 | 6.8 | 5.7 | 4.4 | 5.9 | 3.5 | 4.3 | 4.6 | 3.8 | 6.9 | 5.5     | 1.6-6.9 | 4.48 |
| 140          | -  | 2.7 | 3.8 | 7.7 | 6.7 | 5.6 | 6.7 | 6.5 | -   | 1.5 | 3.9 | 5.5 | 6.0     | 1.5-7.7 | 5.15 |
| 141          | 1.0  | 1.9 | 1.6 | 2.2 | 4.2 | 3.1 | 2.2 | 5.0 | -   | 2.8 | 3.5 | 4.5 | 4.6     | 1.0-5.0 | 3.05 |
| 142          | -  | 2.0 | 2.0 | -   | 4.0 | 3.2 | 1.8 | 3.9 | -   | 2.9 | 3.2 | 4.6 | 1.2     | 1.2-4.6 | 2.88 |
| 143          | 1.8  | 2.7 | 2.9 | -   | 6.7 | 3.4 | 3.7 | 4.3 | -   | 2.8 | 3.8 | 5.5 | 3.9     | 1.8-6.7 | 3.77 |
| 144          | -  | 3.0 | 3.5 | 7.8 | 6.4 | 4.7 | 6.3 | 5.7 | -   | 2.8 | 3.4 | 4.4 | 5.8     | 2.8-7.8 | 4.89 |
| 145          | -  | 2.2 | 1.9 | 1.7 | 4.2 | 1.4 | 2.9 | 3.6 | -   | 2.5 | 5.3 | 3.4 | 3.8     | 1.4-5.3 | 2.99 |
| 146          | 0.9  | 2.3 | 3.4 | 6.3 | 5.2 | 2.2 | 4.5 | 3.6 | 4.3 | 2.6 | 4.7 | 3.9 | 3.8     | 0.9-6.3 | 3.62 |
| 147          | 1.2  | 2.2 | 3.6 | 3.6 | 5.8 | 5.5 | 3.8 | 4.2 | -   | 3.3 | 4.8 | 5.2 | 5.3     | 1.2-5.8 | 4.04 |
| 148          | -  | 3.0 | 3.8 | 5.7 | 6.8 | 6.4 | 4.7 | 6.5 | -   | 2.8 | 5.3 | 4.1 | 5.7     | 2.8-6.8 | 4.98 |
| 149          | -  | 2.7 | 3.9 | 6.3 | 7.2 | 5.9 | 6.0 | 5.0 | -   | 4.5 | 4.2 | 4.7 | 6.2     | 2.7-7.2 | 5.15 |
| 150          | 2.0  | 3.6 | 3.3 | 3.4 | 5.6 | 3.6 | 4.1 | 4.0 | -   | 4.4 | 4.8 | 5.2 | 3.5     | 2.0-5.6 | 3.96 |

Continúa...

Cuadro 3.8 (Continuación)

| Línea no. | Número de localidad <sup>a</sup> / Rendimiento (ton/ha) <sup>b</sup> |     |     |     |     |     |     |     |     |     |     |     |     | Min-Max | Prom. |
|-----------|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------|-------|
|           | 3  | 6   | 9   | 10  | 11  | 12  | 13  | 14  | 15  | 17  | 19  | 20  | 26  |         |       |
| 151       | 0.7  | 1.6 | 1.6 | 3.4 | 4.5 | 3.8 | 0.4 | 4.7 | -   | 1.9 | 3.8 | 4.4 | 2.4 | 0.4-4.7 | 2.77  |
| 152       | -  | 0.7 | 1.7 | -   | 4.0 | 1.1 | 1.7 | 3.7 | -   | 3.5 | 3.8 | 3.6 | 4.1 | 0.7-4.1 | 2.79  |
| 153       | -  | 5.5 | 3.1 | 5.9 | 6.2 | 4.0 | 3.8 | 5.0 | -   | 4.1 | 5.1 | 4.5 | 2.5 | 2.5-6.2 | 4.52  |
| 154       | 3.4  | 3.2 | 3.7 | 7.9 | 4.6 | 4.4 | 3.1 | 4.7 | -   | 4.1 | 5.1 | 5.7 | 4.4 | 3.1-7.9 | 4.53  |
| 155       | 0.8  | 2.5 | 2.6 | 2.9 | 3.6 | 4.9 | 1.6 | 4.3 | -   | 3.1 | 3.7 | 4.0 | 3.1 | 0.8-4.9 | 3.09  |
| 156       | -  | 4.0 | 2.9 | 6.2 | 5.3 | 2.7 | 1.5 | 4.9 | -   | 3.3 | 6.1 | 5.8 | 4.9 | 1.5-6.2 | 4.33  |
| 157       | 0.9  | 3.7 | 2.0 | 5.5 | 4.5 | 4.0 | 2.9 | 6.0 | 4.1 | 1.8 | 4.1 | 6.3 | 2.0 | 0.9-6.3 | 3.83  |
| 158       | 1.8  | 4.3 | 3.4 | 6.8 | 5.6 | 4.6 | 4.6 | 6.1 | -   | 3.1 | 2.9 | 6.1 | 4.4 | 1.8-6.8 | 4.48  |
| 159       | 1.7  | 1.2 | 2.3 | 6.1 | 5.1 | 4.1 | 1.9 | 6.3 | -   | 4.0 | 4.0 | 5.7 | 3.7 | 1.2-6.1 | 3.84  |
| 160       | -  | -   | 5.2 | 7.8 | 6.9 | 2.2 | 5.2 | 5.7 | 4.9 | 4.1 | 4.1 | 4.3 | 6.0 | 2.2-7.8 | 5.15  |
| 161       | 3.9  | 4.2 | 1.4 | -   | 5.4 | 4.3 | 6.1 | 5.7 | 3.3 | 3.1 | -   | 5.2 | 4.0 |         |       |

a. Ver nombre de las localidades en el cuadro 3.2

b. Datos de rendimiento de arroz en cáscara, en parcelas no replicadas. La localidad 15 no se incluye en el promedio por tener pocos datos.

Cuadro 3.9 Resumen de las Principales Características Agronómicas del Germoplasma del Quinto Vivero Internacional de Observación de Arroz para América Latina (VIOAL, 1982), Sembrado Bajo Condiciones de Secano Favorecido

| Línea no. | Designación                   | Floración (días) |         |       | Piricularia <sup>a</sup> |         |               |         | Altura        |         |       | Vuelco <sup>b</sup> |         |       | Rendimiento (ton/ha) |         |       |
|-----------|-------------------------------|------------------|---------|-------|--------------------------|---------|---------------|---------|---------------|---------|-------|---------------------|---------|-------|----------------------|---------|-------|
|           |                               | No.de Pruebas    | Min-Max | Prom. | BI                       |         | NBI           |         | No.de Pruebas | Min-Max | Prom. | No.de Pruebas       | Min-Max | Prom. | No.de Pruebas        | Min-Max | Prom. |
|           |                               |                  |         |       | No.de Pruebas            | Min-Max | No.de Pruebas | Min-Max |               |         |       |                     |         |       |                      |         |       |
| 1         | HAU 16-20-3                   | 12               | 73- 97  | 87    | 5                        | 0-9     | 5             | 1-9     | 12            | 67-107  | 86    | 8                   | 1-7     | 2.3   | 10                   | 0.3-4.3 | 2.56  |
| 2         | IR 19743-25-2-2-3-1           | 12               | 72- 89  | 80    | 4                        | 0-5     | 1             | 3-3     | 13            | 58-100  | 80    | 8                   | 1-9     | 4.3   | 11                   | 2.2-5.2 | 3.94  |
| 3         | IR 19746-28-2-2               | 12               | 70- 90  | 80    | 3                        | 0-5     | 1             | 3-3     | 13            | 49- 91  | 70    | 8                   | 1-9     | 3.3   | 11                   | 2.5-6.1 | 4.06  |
| 4         | IR 19746-28-2-2-3             | 12               | 73- 90  | 80    | 4                        | 0-3     | 1             | 1-1     | 13            | 44- 90  | 73    | 8                   | 1-9     | 3.3   | 10                   | 2.0-6.2 | 4.12  |
| 5         | IR 19791-12-1-2-2-2           | 12               | 70- 91  | 80    | 4                        | 0-5     | 3             | 1-7     | 13            | 47- 93  | 72    | 8                   | 1-7     | 2.5   | 10                   | 1.1-5.1 | 3.45  |
| 6         | BKNLR 75091-CNT-B3-RST-40-1-3 | 11               | 73- 91  | 81    | 5                        | 0-7     | 3             | 9-9     | 11            | 61-100  | 80    | 7                   | 1-5     | 1.6   | 9                    | 0.8-7.0 | 3.01  |
| 7         | IR 19752-2-3-3                | 12               | 68- 90  | 79    | 4                        | 0-5     | 2             | 1-5     | 13            | 46- 90  | 69    | 8                   | 1-9     | 4.1   | 11                   | 1.7-6.1 | 3.46  |
| 8         | IR 19743-25-2-2               | 12               | 70- 89  | 79    | 4                        | 0-3     | 3             | 1-7     | 12            | 57-102  | 75    | 8                   | 1-9     | 4.3   | 11                   | 1.2-6.8 | 3.50  |
| 9         | IRI 356                       | 12               | 77- 89  | 82    | 3                        | 0-5     | 4             | 3-6     | 13            | 52-100  | 77    | 8                   | 0-1     | 0.9   | 11                   | 2.8-5.8 | 3.55  |
| 10        | IR 19819-31-2-3               | 12               | 72- 91  | 80    | 3                        | 0-7     | 4             | 1-7     | 12            | 52- 82  | 70    | 8                   | 0-3     | 1.1   | 10                   | 1.0-6.1 | 3.44  |
| 11        | Suweon 287                    | 12               | 75- 93  | 83    | 4                        | 0-3     | 3             | 1-3     | 13            | 51- 95  | 75    | 8                   | 1-5     | 1.5   | 11                   | 1.7-7.0 | 4.14  |
| 12        | IR 15675-151-1-1              | 12               | 81- 98  | 89    | 4                        | 0-5     | 2             | 1-5     | 13            | 50-100  | 78    | 8                   | 1-5     | 1.8   | 11                   | 2.7-6.6 | 4.43  |
| 13        | SYE 304-1-4-17                | 12               | 80- 99  | 92    | 5                        | 0-6     | 3             | 1-6     | 13            | 54-102  | 80    | 8                   | 0-1     | 0.9   | 11                   | 1.7-7.2 | 4.40  |
| 14        | ECIA-31-18-11                 | 12               | 81-100  | 89    | 4                        | 1-5     | 4             | 3-7     | 13            | 55- 95  | 83    | 8                   | 0-1     | 0.9   | 11                   | 1.8-8.0 | 4.36  |
| 15        | IR 982d-91-2-3                | 12               | 84-101  | 93    | 4                        | 1-4     | 1             | 1-1     | 13            | 48- 96  | 71    | 8                   | 1-9     | 3.3   | 11                   | 1.7-7.7 | 4.03  |
| 16        | IR 15723-45-3-2               | 12               | 81-106  | 89    | 3                        | 1-4     | 2             | 1-3     | 13            | 54-107  | 84    | 8                   | 1-9     | 2.5   | 11                   | 2.3-6.7 | 3.91  |
| 17        | IR 9761-19-1                  | 12               | 70-111  | 85    | 4                        | 0-1     | 2             | 4-5     | 13            | 54- 95  | 77    | 8                   | 1-9     | 4.8   | 11                   | 3.0-9.1 | 4.93  |
| 18        | IR 13427-60-1-3-2-2           | 12               | 70-111  | 85    | 4                        | 1-4     | 3             | 3-5     | 12            | 53-100  | 79    | 8                   | 1-9     | 4.4   | 10                   | 2.9-6.7 | 4.35  |
| 19        | IR 13240-108-2-2-3            | 12               | 78- 97  | 85    | 4                        | 1-4     | 3             | 1-7     | 13            | 55- 95  | 76    | 8                   | 1-9     | 3.8   | 11                   | 1.8-7.6 | 4.60  |
| 20        | IR 50 (testigo)               | 12               | 74- 97  | 83    | 4                        | 1-4     | 3             | 5-8     | 13            | 52- 95  | 73    | 8                   | 1-8     | 4.5   | 11                   | 2.1-7.8 | 4.63  |
| 21        | IR 13423-299-2-1-3            | 12               | 77-100  | 92    | 4                        | 0-1     | 1             | 1-1     | 13            | 47- 90  | 71    | 8                   | 1-9     | 2.8   | 11                   | 1.0-8.3 | 4.35  |
| 22        | IR 19058-107-1                | 12               | 83- 99  | 92    | 4                        | 1-5     | 1             | 1-1     | 13            | 52- 95  | 79    | 8                   | 1-9     | 2.5   | 11                   | 1.9-7.1 | 4.52  |
| 23        | IR 13384-79-2                 | 12               | 82- 99  | 92    | 4                        | 1-4     | 1             | 1-1     | 12            | 51-105  | 77    | 8                   | 1-9     | 4.3   | 10                   | 1.8-5.5 | 3.33  |
| 24        | IR 13429-196-1                | 12               | 81- 98  | 91    | 4                        | 1-4     | 1             | 1-1     | 13            | 52-100  | 80    | 8                   | 0-9     | 1.9   | 11                   | 1.3-7.1 | 4.20  |
| 25        | IR 9599-16-3-3-2              | 12               | 88-104  | 97    | 4                        | 0-3     | 1             | 1-1     | 13            | 53-115  | 85    | 8                   | 1-1     | 1.0   | 12                   | 1.5-5.8 | 3.81  |
| 26        | IR 13420-6-3-3-1              | 12               | 88-109  | 98    | 4                        | 0-5     | 2             | 5-7     | 13            | 58-105  | 80    | 8                   | 1-1     | 1.0   | 12                   | 2.3-6.4 | 4.09  |
| 27        | SKL 17-67-11                  | 12               | 91-100  | 93    | 4                        | 0-3     | 2             | 5-5     | 13            | 54-100  | 81    | 8                   | 1-9     | 2.0   | 12                   | 1.8-5.6 | 3.73  |
| 28        | 32-Xuan-5-D                   | 12               | 86-100  | 95    | 5                        | 0-7     | 3             | 1-7     | 12            | 64-100  | 85    | 8                   | 1-1     | 1.0   | 10                   | 2.0-5.0 | 3.64  |
| 29        | IR 9846-145-3-3               | 12               | 80-100  | 92    | 4                        | 0-5     | 1             | 1-1     | 13            | 50-100  | 76    | 8                   | 1-7     | 1.8   | 11                   | 1.9-5.7 | 3.79  |
| 30        | IR 9093-211-6                 | 11               | 86-102  | 93    | 4                        | 0-5     | 3             | 5-7     | 12            | 61- 95  | 72    | 8                   | 1-5     | 1.5   | 9                    | 2.0-5.2 | 3.21  |
| 31        | IR 11418-19-2-3               | 12               | 77- 94  | 86    | 4                        | 0-5     | 3             | 1-3     | 13            | 58-105  | 79    | 8                   | 1-9     | 2.5   | 10                   | 1.7-6.3 | 3.42  |
| 32        | IR 19746-28-2-2               | 12               | 77- 95  | 86    | 4                        | 0-7     | 4             | 1-5     | 13            | 44- 87  | 72    | 8                   | 1-5     | 1.5   | 11                   | 1.9-6.3 | 3.64  |
| 33        | Línea observación 1           | 12               | 76- 97  | 87    | 4                        | 0-7     | 3             | 1-3     | 13            | 53-112  | 79    | 8                   | 1-9     | 2.0   | 11                   | 2.5-6.3 | 4.00  |
| 34        | IR 9224-225-2-3-3-2           | 12               | 85-102  | 93    | 4                        | 0-5     | 2             | 1-5     | 13            | 51- 95  | 74    | 8                   | 1-9     | 2.3   | 11                   | 2.9-6.8 | 4.42  |
| 35        | GZ 864-2-3-1                  | 12               | 76-100  | 85    | 4                        | 0-7     | 3             | 1-9     | 12            | 48- 85  | 67    | 8                   | 1-1     | 1.0   | 10                   | 2.7-6.7 | 4.48  |
| 36        | Palgwangbyeon (Suweon 284)    | 12               | 78- 93  | 84    | 4                        | 0-7     | 4             | 1-7     | 13            | 49- 90  | 72    | 8                   | 1-5     | 1.5   | 11                   | 2.2-6.8 | 3.63  |
| 37        | C 1321-3                      | 12               | 76- 97  | 85    | 4                        | 0-5     | 3             | 3-7     | 13            | 42- 90  | 65    | 8                   | 1-5     | 2.8   | 11                   | 1.7-5.9 | 3.71  |
| 38        | 32-Xuan-5-C                   | 11               | 84-102  | 94    | 4                        | 0-7     | 5             | 0-9     | 11            | 66-115  | 90    | 8                   | 1-5     | 1.5   | 10                   | 1.6-6.6 | 3.40  |
| 39        | IR 9830-26-3-3                | 11               | 90-109  | 102   | 4                        | 0-5     | 1             | 1-1     | 12            | 65-100  | 83    | 8                   | 1-9     | 2.5   | 11                   | 2.3-6.4 | 4.15  |
| 40        | IR 36 (testigo)               | 12               | 86-100  | 94    | 4                        | 0-5     | 4             | 0-5     | 13            | 47- 80  | 69    | 8                   | 1-9     | 3.0   | 12                   | 1.7-6.5 | 3.84  |
| 41        | IR 21931-67                   | 12               | 83- 97  | 92    | 4                        | 0-3     | 4             | 1-7     | 12            | 53- 87  | 72    | 8                   | 1-7     | 2.0   | 11                   | 0.6-5.8 | 3.04  |
| 42        | SG 4J2-4                      | 11               | 83-102  | 95    | 5                        | 0-6     | 5             | 1-9     | 11            | 71-105  | 89    | 7                   | 1-1     | 1.0   | 9                    | 1.8-5.5 | 3.64  |
| 43        | BKN 7033-13-1-1-3-2           | 11               | 84-100  | 93    | 4                        | 0-5     | 5             | 1-8     | 12            | 60-100  | 80    | 8                   | 1-7     | 1.8   | 11                   | 1.1-5.3 | 3.42  |
| 44        | Chianung Sen Yu 13            | 11               | 86-102  | 96    | 4                        | 0-5     | 3             | 3-5     | 12            | 76-110  | 86    | 8                   | 1-7     | 2.0   | 11                   | 2.7-5.5 | 4.16  |
| 45        | Taichung Sen Yu 285           | 12               | 81-100  | 92    | 4                        | 0-7     | 4             | 1-7     | 13            | 64-110  | 88    | 8                   | 0-9     | 1.9   | 12                   | 2.0-6.2 | 4.42  |
| 46        | Mutant 842                    | 12               | 83-119  | 100   | 4                        | 0-7     | 2             | 3-5     | 13            | 51- 98  | 80    | 8                   | 1-7     | 1.8   | 12                   | 1.8-5.7 | 4.00  |
| 47        | JFP 75-23                     | 12               | 80-100  | 90    | 4                        | 0-6     | 4             | 3-7     | 12            | 51- 86  | 75    | 8                   | 1-1     | 1.0   | 11                   | 1.3-5.3 | 3.59  |

Continúa...

Cuadro 3.9 (Continuación)

| Línea no. | Designación           | Floración (días) |         |       | Piricularia <sup>a</sup> |         |               |         | Altura        |         |       | Vuelco <sup>b</sup> |         |       | Rendimiento (ton/ha) |         |       |
|-----------|-----------------------|------------------|---------|-------|--------------------------|---------|---------------|---------|---------------|---------|-------|---------------------|---------|-------|----------------------|---------|-------|
|           |                       | No.de Pruebas    | Min-Max | Prom. | B1                       |         | NB1           |         | No.de Pruebas | Min-Max | Prom. | No.de Pruebas       | Min-Max | Prom. | No.de Pruebas        | Min-Max | Prom. |
|           |                       |                  |         |       | No.de Pruebas            | Min-Max | No.de Pruebas | Min-Max |               |         |       |                     |         |       |                      |         |       |
| 48        | IR 9782-111-2-1-2     | 12               | 79-100  | 90    | 4                        | 0-5     | 3             | 1-7     | 12            | 46- 85  | 67    | 8                   | 1-5     | 1.5   | 11                   | 2.0-6.9 | 3.45  |
| 49        | UPR 243-241-1         | 12               | 88-102  | 94    | 4                        | 0-8     | 2             | 1-3     | 13            | 52- 86  | 75    | 8                   | 1-9     | 2.0   | 12                   | 1.6-6.9 | 3.91  |
| 50        | IR 13240-82-2-3-2-3-1 | 12               | 86-101  | 92    | 4                        | 0-5     | 2             | 1-5     | 13            | 45- 80  | 66    | 8                   | 1-1     | 1.0   | 12                   | 1.9-6.6 | 3.67  |
| 51        | YR 2379-47-2-1        | 12               | 73-101  | 84    | 4                        | 0-5     | 3             | 5-7     | 13            | 54- 85  | 74    | 8                   | 1-9     | 3.4   | 11                   | 1.3-6.8 | 3.67  |
| 52        | IR 5853-118-5         | 12               | 90-112  | 100   | 4                        | 0-5     | 2             | 1-3     | 13            | 61-110  | 90    | 8                   | 1-3     | 1.3   | 12                   | 1.7-6.3 | 4.29  |
| 53        | P 1358-5-19M-2-1B     | 12               | 89-132  | 106   | 4                        | 0-3     | 2             | 1-3     | 13            | 60-120  | 93    | 8                   | 1-9     | 2.3   | 12                   | 2.3-6.8 | 4.21  |
| 54        | CP1 CB                | 12               | 77-118  | 92    | 5                        | 0-7     | 4             | 5-9     | 11            | 57-105  | 87    | 8                   | 1-1     | 1.0   | 10                   | 0.8-7.7 | 3.42  |
| 55        | IR 2307-247-2-2-3     | 12               | 87-108  | 97    | 5                        | 0-7     | 1             | 1-1     | 13            | 52- 90  | 74    | 8                   | 1-5     | 2.0   | 12                   | 1.2-6.7 | 3.88  |
| 56        | BR 171-2B-8           | 11               | 88-107  | 97    | 5                        | 0-7     | 3             | 3-5     | 11            | 57-105  | 80    | 8                   | 1-1     | 1.0   | 10                   | 0.4-6.8 | 2.70  |
| 57        | B 2360-6-7-1-4        | 11               | 98-119  | 109   | 5                        | 0-7     | -             | -       | 12            | 73-116  | 100   | 8                   | 1-1     | 1.0   | 11                   | 0.1-6.6 | 3.47  |
| 58        | B 2791B-MR-257-3-2    | 12               | 96-119  | 106   | 5                        | 0-9     | 2             | 5-7     | 12            | 52-100  | 85    | 8                   | 1-1     | 1.0   | 11                   | 0.4-5.7 | 2.76  |
| 59        | IR 3262-3-338-5       | 12               | 88-116  | 101   | 4                        | 0-5     | 2             | 5-3     | 13            | 44- 97  | 75    | 8                   | 1-1     | 1.0   | 12                   | 1.8-5.4 | 3.65  |
| 60        | CICA 4 (testigo)      | 12               | 88-102  | 96    | 4                        | 0-7     | 4             | 3-7     | 13            | 50-100  | 79    | 8                   | 1-1     | 1.0   | 12                   | 0.8-7.0 | 3.85  |
| 61        | BR/IRGA 409           | 12               | 78-104  | 88    | 4                        | 3-4     | 5             | 3-9     | 12            | 66-120  | 94    | 8                   | 1-3     | 1.3   | 11                   | 1.2-6.2 | 3.91  |
| 62        | IR 8192-200-3-3-1-1   | 12               | 87-115  | 101   | 3                        | 0-3     | 3             | 1-5     | 11            | 65-110  | 92    | 8                   | 1-9     | 5.0   | 10                   | 1.7-6.0 | 3.80  |
| 63        | IR 8073-65-6-1        | 12               | 87-113  | 100   | 4                        | 0-5     | 2             | 5-5     | 13            | 50-110  | 83    | 8                   | 1-7     | 2.3   | 12                   | 1.1-8.6 | 3.68  |
| 64        | P 2053 F4-14-2-1B     | 12               | 89-119  | 102   | 4                        | 0-5     | 3             | 1-5     | 13            | 56-115  | 82    | 8                   | 1-1     | 1.0   | 12                   | 2.7-7.1 | 4.68  |
| 65        | P 2053 F4-26-4-1B     | 12               | 94-123  | 104   | 4                        | 0-5     | 2             | 1-3     | 13            | 55-115  | 84    | 8                   | 1-1     | 1.0   | 12                   | 1.2-8.5 | 4.79  |
| 66        | P 2053 F4-58-1-1B     | 12               | 84-108  | 96    | 3                        | 0-5     | 2             | 1-5     | 13            | 63-110  | 91    | 8                   | 1-1     | 1.0   | 12                   | 0.7-7.2 | 3.53  |
| 67        | P 2053 F4-77-4-1B     | 12               | 87-111  | 99    | 4                        | 0-3     | 2             | 1-5     | 13            | 60-110  | 88    | 8                   | 1-5     | 1.5   | 12                   | 1.5-7.6 | 4.53  |
| 68        | P 2053 F4-78-5-1B     | 12               | 88-110  | 99    | 4                        | 0-5     | 2             | 3-5     | 13            | 54-110  | 85    | 8                   | 1-1     | 1.0   | 12                   | 1.5-6.2 | 3.94  |
| 69        | P 2053 F4-81-5-1B     | 12               | 87-114  | 99    | 4                        | 0-3     | 2             | 3-5     | 13            | 57-113  | 90    | 8                   | 1-1     | 1.0   | 12                   | 2.1-8.2 | 4.50  |
| 70        | P 2053 F4-81-6-1B     | 12               | 93-116  | 103   | 4                        | 0-5     | 1             | 1-1     | 13            | 60-115  | 92    | 8                   | 1-1     | 1.0   | 12                   | 1.6-7.7 | 4.51  |
| 71        | P 2053 F4-88-2-1B     | 12               | 86-133  | 101   | 4                        | 0-5     | 3             | 1-5     | 13            | 61-105  | 88    | 8                   | 1-5     | 1.5   | 12                   | 1.7-7.4 | 4.28  |
| 72        | P 2053 F4-94-5-1B     | 12               | 88-122  | 102   | 4                        | 0-5     | 4             | 1-5     | 13            | 58-100  | 81    | 8                   | 1-1     | 1.0   | 12                   | 0.5-6.6 | 4.05  |
| 73        | P 2053 F4-99-4-1B     | 12               | 96-123  | 105   | 4                        | 0-5     | 1             | 1-1     | 13            | 58-110  | 90    | 8                   | 1-1     | 1.0   | 12                   | 1.2-8.0 | 4.75  |
| 74        | P 2053 F4-156-1-1B    | 12               | 85-118  | 102   | 4                        | 0-5     | 2             | 3-3     | 13            | 56-115  | 89    | 8                   | 1-1     | 1.0   | 12                   | 1.8-9.0 | 4.41  |
| 75        | P 2053 F4-169-8-1B    | 11               | 88-123  | 106   | 4                        | 0-7     | 1             | 1-1     | 11            | 73-100  | 88    | 8                   | 1-3     | 1.3   | 10                   | 1.6-5.7 | 4.03  |
| 76        | P 2057 F4-48-5-1B     | 12               | 88-116  | 103   | 4                        | 0-4     | 2             | 1-3     | 13            | 59-100  | 87    | 8                   | 1-1     | 1.0   | 12                   | 1.6-8.1 | 4.80  |
| 77        | P 2056 F4-55-1-1B     | 12               | 86-114  | 100   | 4                        | 0-3     | 1             | 1-1     | 13            | 59-100  | 87    | 8                   | 1-5     | 1.5   | 12                   | 2.4-6.6 | 4.69  |
| 78        | P 2057 F4-88-3-1B     | 12               | 86-125  | 104   | 4                        | 0-1     | 1             | 1-1     | 13            | 60-110  | 89    | 8                   | 1-1     | 1.0   | 12                   | 1.6-7.1 | 4.43  |
| 79        | P 2058 F4-47-3-1B     | 12               | 85-110  | 96    | 4                        | 0-3     | 3             | 3-7     | 13            | 56-105  | 84    | 8                   | 1-3     | 1.3   | 12                   | 1.7-8.3 | 4.47  |
| 80        | IR 43 (testigo)       | 12               | 86-108  | 98    | 4                        | 0-3     | 2             | 1-3     | 13            | 52-105  | 82    | 8                   | 1-1     | 1.0   | 12                   | 2.9-7.3 | 4.81  |
| 81        | P 2060 F4-2-5-1B      | 12               | 95-113  | 104   | 4                        | 0-3     | 1             | 1-1     | 13            | 56-115  | 92    | 8                   | 1-1     | 1.0   | 12                   | 2.6-8.2 | 4.22  |
| 82        | P 2060 F4-11-1-1B     | 12               | 96-124  | 106   | 4                        | 0-5     | 2             | 1-1     | 13            | 55- 97  | 82    | 8                   | 1-1     | 1.0   | 12                   | 2.0-5.0 | 4.04  |
| 83        | P 2060 F4-11-7-1B     | 12               | 94-121  | 105   | 4                        | 1-5     | 1             | 1-1     | 13            | 50- 98  | 83    | 8                   | 1-1     | 1.0   | 12                   | 1.7-5.4 | 3.66  |
| 84        | P 2060 F4-29-6-1B     | 12               | 95-133  | 107   | 4                        | 0-3     | 2             | 1-3     | 13            | 55-120  | 90    | 8                   | 1-1     | 1.0   | 12                   | 2.1-6.8 | 4.15  |
| 85        | P 2060 F4-49-1-1B     | 11               | 77-124  | 102   | 4                        | 0-5     | 2             | 5-5     | 12            | 63-100  | 81    | 8                   | 1-1     | 1.0   | 11                   | 1.7-6.3 | 3.99  |
| 86        | P 2060 F4-49-4-1B     | 12               | 89-117  | 102   | 4                        | 0-5     | 2             | 1-3     | 13            | 48- 95  | 80    | 8                   | 1-1     | 1.0   | 12                   | 1.9-6.2 | 4.01  |
| 87        | P 2060 F4-38-1-1B     | 12               | 82-108  | 94    | 4                        | 0-5     | 3             | 1-7     | 12            | 57- 90  | 75    | 8                   | 1-5     | 1.5   | 11                   | 2.3-6.9 | 4.31  |
| 88        | P 2067 F4-85-3-1B     | 11               | 84-120  | 103   | 4                        | 0-7     | 2             | 1-5     | 13            | 48- 95  | 76    | 8                   | 1-1     | 1.0   | 12                   | 0.6-5.7 | 3.55  |
| 89        | P 2068 F4-72-7-1B     | 11               | 97-134  | 109   | 4                        | 0-5     | 2             | 1-3     | 13            | 45- 92  | 77    | 8                   | 1-1     | 1.0   | 12                   | 0.4-6.7 | 4.44  |
| 90        | P 2068 F4-116-2-1B    | 12               | 86-108  | 95    | 4                        | 0-3     | 2             | 1-3     | 13            | 50- 95  | 78    | 8                   | 1-5     | 1.5   | 12                   | 3.0-8.3 | 4.82  |
| 91        | P 2181 F4-40-1B-1B    | 12               | 95-115  | 104   | 4                        | 0-4     | 2             | 1-1     | 13            | 51-105  | 88    | 8                   | 1-4     | 1.4   | 12                   | 0.4-7.3 | 4.04  |
| 92        | P 2182 F4-39-1B-1B    | 11               | 105-125 | 110   | 4                        | 0-3     | 3             | 1-3     | 12            | 74-100  | 87    | 8                   | 1-1     | 1.0   | 11                   | 1.0-5.8 | 3.85  |
| 93        | P 2182 F4-49-1B-1B    | 11               | 101-112 | 107   | 4                        | 0-3     | 2             | 1-1     | 11            | 68-100  | 84    | 8                   | 1-1     | 1.0   | 10                   | 1.7-4.8 | 3.53  |
| 94        | P 2189 F4-64-1B-1B    | 11               | 101-115 | 109   | 4                        | 0-4     | -             | -       | 12            | 64-109  | 96    | 8                   | 1-3     | 1.3   | 11                   | 2.1-6.7 | 4.58  |

Continúa...

Cuadro 3.9 (Continuación)

| Línea no. | Designación           | Floración (días) |         |       | Piricularia <sup>a</sup> |         |                |         | Altura         |         |       | Vuelco <sup>b</sup> |         |       | Rendimiento (ton/ha) |         |       |
|-----------|-----------------------|------------------|---------|-------|--------------------------|---------|----------------|---------|----------------|---------|-------|---------------------|---------|-------|----------------------|---------|-------|
|           |                       | No. de Pruebas   | Min-Max | Prom. | 81                       |         | NB1            |         | No. de Pruebas | Min-Max | Prom. | No. de Pruebas      | Min-Max | Prom. | No. de Pruebas       | Min-Max | Prom. |
|           |                       |                  |         |       | No. de Pruebas           | Min-Max | No. de Pruebas | Min-Max |                |         |       |                     |         |       |                      |         |       |
| 95        | P 2190 F4-47-18-18    | 11               | 96-125  | 109   | 3                        | 0-5     | 1              | 3-3     | 12             | 49-108  | 89    | 7                   | 1-1     | 1.0   | 11                   | 0.8-4.7 | 3.11  |
| 96        | P 2192 F4-30-18-18    | 11               | 97-127  | 108   | 3                        | 0-5     | 1              | 1-1     | 12             | 55-108  | 91    | 7                   | 1-3     | 1.3   | 11                   | 0.4-4.7 | 3.05  |
| 97        | P 2192 F4-37-18-18    | 11               | 96-132  | 114   | 4                        | 0-3     | -              | -       | 13             | 53-110  | 90    | 8                   | 1-9     | 2.0   | 12                   | 1.7-5.4 | 3.88  |
| 98        | P 2193 F4-22-18-18    | 12               | 95-115  | 105   | 4                        | 0-3     | 1              | 1-1     | 13             | 50-112  | 92    | 8                   | 1-9     | 2.0   | 12                   | 1.0-7.7 | 4.38  |
| 99        | P 2193 F4-140-18-18   | 12               | 93-108  | 102   | 4                        | 0-1     | 2              | 2-3     | 12             | 44-100  | 86    | 8                   | 1-9     | 2.0   | 11                   | 1.6-5.9 | 3.95  |
| 100       | CICA 8 (testigo)      | 11               | 96-114  | 106   | 4                        | 0-3     | 2              | 1-3     | 12             | 66-100  | 87    | 8                   | 1-9     | 2.5   | 11                   | 2.9-8.3 | 5.14  |
| 101       | P 2217 F4-19-18       | 11               | 98-126  | 111   | 4                        | 0-3     | 2              | 5-5     | 11             | 68-110  | 91    | 8                   | 1-1     | 1.0   | 10                   | 1.7-6.6 | 4.17  |
| 102       | P 2217 F4-45-18       | 11               | 95-129  | 112   | 4                        | 0-3     | 1              | 3-3     | 12             | 45-110  | 89    | 8                   | 1-1     | 1.0   | 12                   | 2.3-7.0 | 4.26  |
| 103       | P 2217 F4-1-18        | 11               | 95-116  | 107   | 4                        | 0-5     | 1              | 1-1     | 13             | 42-100  | 84    | 8                   | 1-1     | 1.0   | 12                   | 1.3-8.1 | 4.21  |
| 104       | P 2217 F4-2-18        | 12               | 96-132  | 112   | 4                        | 0-5     | 2              | 1-1     | 13             | 49-110  | 89    | 8                   | 1-1     | 1.0   | 12                   | 0.5-5.1 | 3.38  |
| 105       | P 2217 F4-24-18       | 12               | 97-130  | 111   | 4                        | 0-3     | 1              | 1-1     | 13             | 45-105  | 87    | 8                   | 1-3     | 1.3   | 12                   | 2.0-7.0 | 4.28  |
| 106       | P 2217 F4-28-18       | 12               | 90-109  | 101   | 4                        | 0-3     | 2              | 1-3     | 12             | 49- 91  | 81    | 8                   | 1-5     | 1.5   | 11                   | 1.2-5.2 | 3.42  |
| 107       | P 2217 F4-44-18       | 12               | 95-124  | 110   | 4                        | 0-3     | 2              | 5-7     | 13             | 49-105  | 84    | 8                   | 1-3     | 1.3   | 12                   | 0.5-6.4 | 4.02  |
| 108       | P 2217 F4-57-18       | 12               | 96-111  | 104   | 4                        | 0-5     | 1              | 5-5     | 12             | 55-115  | 90    | 8                   | 1-5     | 1.5   | 11                   | 1.7-6.6 | 3.74  |
| 109       | P 2217 F4-67-18       | 12               | 98-127  | 108   | 4                        | 0-3     | 2              | 1-5     | 13             | 50-105  | 86    | 8                   | 1-5     | 1.5   | 12                   | 1.5-7.5 | 4.43  |
| 110       | P 2217 F4-83-18       | 11               | 86-111  | 97    | 4                        | 0-3     | 1              | 3-3     | 12             | 65-101  | 90    | 8                   | 1-5     | 1.8   | 11                   | 3.0-8.1 | 5.07  |
| 111       | P 2201 F4-64-18       | 12               | 87-108  | 96    | 4                        | 0-5     | 3              | 3-7     | 12             | 66-100  | 87    | 8                   | 1-3     | 1.5   | 11                   | 3.0-7.6 | 4.46  |
| 112       | P 2201 F4-87-18       | 12               | 87-108  | 96    | 4                        | 0-5     | 4              | 5-9     | 12             | 63- 98  | 85    | 8                   | 1-1     | 1.0   | 11                   | 2.8-7.6 | 4.52  |
| 113       | P 2205 F4-14-18       | 12               | 93-112  | 101   | 4                        | 0-5     | 2              | 1-7     | 12             | 60-105  | 91    | 8                   | 1-5     | 1.5   | 11                   | 1.1-6.6 | 3.78  |
| 114       | P 2220 F4-28-18       | 12               | 86-116  | 104   | 4                        | 0-5     | 2              | 3-3     | 13             | 63-115  | 96    | 8                   | 1-7     | 1.8   | 12                   | 1.2-6.9 | 4.61  |
| 115       | P 2017 F4-18-18-18    | 11               | 88-108  | 101   | 4                        | 0-5     | 2              | 3-5     | 13             | 57-110  | 88    | 8                   | 1-9     | 2.3   | 12                   | 1.6-7.9 | 4.68  |
| 116       | IR 14632-22-3         | 11               | 85-115  | 105   | 4                        | 0-3     | 2              | 3-3     | 12             | 74-110  | 93    | 8                   | 1-9     | 2.0   | 11                   | 1.7-8.1 | 4.51  |
| 117       | IR 1529-Ecfa          | 12               | 92-110  | 102   | 4                        | 0-4     | 2              | 1-3     | 13             | 47-105  | 82    | 8                   | 1-5     | 1.5   | 12                   | 1.7-7.0 | 4.61  |
| 118       | IR 9846-23-2          | 12               | 85-122  | 102   | 4                        | 0-3     | 2              | 1-5     | 13             | 46-100  | 80    | 8                   | 1-1     | 1.0   | 12                   | 0.6-6.9 | 4.63  |
| 119       | Taichung Sen 10       | 11               | 86-105  | 94    | 4                        | 0-8     | 3              | 1-3     | 10             | 76-115  | 97    | 8                   | 1-5     | 2.0   | 10                   | 2.0-6.9 | 4.78  |
| 120       | IR 42 (testigo)       | 10               | 98-126  | 112   | 4                        | 0-3     | 2              | 1-7     | 12             | 73-105  | 85    | 8                   | 1-3     | 1.5   | 11                   | 1.7-6.3 | 3.79  |
| 121       | IR 3262-3-9-4-5       | 11               | 87-109  | 97    | 3                        | 0-4     | 1              | 1-1     | 12             | 50- 90  | 73    | 7                   | 1-7     | 2.1   | 11                   | 1.4-5.6 | 3.76  |
| 122       | BG 374-1              | 12               | 89-109  | 100   | 4                        | 0-4     | 5              | 3-7     | 13             | 55-115  | 92    | 8                   | 1-7     | 1.8   | 12                   | 1.5-7.0 | 3.81  |
| 123       | Chianung Sen 25       | 12               | 94-124  | 106   | 4                        | 0-5     | 4              | 1-5     | 13             | 54-117  | 90    | 8                   | 1-5     | 1.5   | 12                   | 1.4-8.6 | 4.20  |
| 124       | Chianung Sen Yu 23    | 12               | 93-116  | 102   | 5                        | 0-9     | 4              | 3-7     | 13             | 53-115  | 83    | 8                   | 1-3     | 1.3   | 12                   | 0.9-7.5 | 3.93  |
| 125       | IR 11248-13-2-3       | 12               | 87-110  | 99    | 4                        | 0-3     | 2              | 1-5     | 12             | 53-100  | 82    | 8                   | 1-1     | 1.0   | 11                   | 1.6-8.2 | 4.02  |
| 126       | CR 261-7039-236       | 11               | 88-110  | 102   | 4                        | 0-6     | 4              | 5-7     | 11             | 65-110  | 87    | 8                   | 1-5     | 1.5   | 10                   | 0.5-7.5 | 3.32  |
| 127       | P 1369-4-16M-1-2M-4   | 11               | 86-114  | 102   | 4                        | 0-4     | 2              | 3-7     | 12             | 65-105  | 83    | 8                   | 1-9     | 3.0   | 11                   | 2.5-8.7 | 5.11  |
| 128       | P 2030 F4-188-18-18   | 11               | 83-133  | 106   | 4                        | 0-4     | 3              | 3-5     | 12             | 66-110  | 89    | 8                   | 1-5     | 1.5   | 11                   | 1.4-7.5 | 4.25  |
| 129       | P 2025 F4-159-18-18   | 11               | 95-119  | 105   | 4                        | 0-2     | 2              | 1-3     | 12             | 64-115  | 94    | 8                   | 1-1     | 1.0   | 11                   | 2.0-8.6 | 4.77  |
| 130       | IR 8192-31-2-1-2      | 12               | 88-122  | 104   | 4                        | 0-3     | 2              | 1-5     | 12             | 62-110  | 91    | 8                   | 1-9     | 2.4   | 12                   | 1.2-6.8 | 3.88  |
| 131       | P 2020 F4-46-18-18    | 11               | 90-112  | 103   | 4                        | 0-4     | 2              | 3-7     | 12             | 65-105  | 88    | 8                   | 1-9     | 3.0   | 11                   | 2.5-8.9 | 5.17  |
| 132       | Línea observación 2   | 12               | 90-116  | 103   | 4                        | 0-5     | 2              | 3-7     | 13             | 57-115  | 91    | 8                   | 1-5     | 1.8   | 12                   | 1.3-7.8 | 4.66  |
| 133       | P 2023 F4-16-18-18    | 11               | 88-112  | 99    | 4                        | 0-3     | 2              | 1-1     | 12             | 54-110  | 89    | 8                   | 1-3     | 1.3   | 11                   | 1.6-7.1 | 4.55  |
| 134       | P 2023 F4-53-18-18    | 11               | 96-121  | 106   | 4                        | 1-5     | 1              | 1-1     | 12             | 52-115  | 92    | 7                   | 1-9     | 3.0   | 10                   | 2.4-7.6 | 4.40  |
| 135       | BW 170                | 11               | 96-119  | 108   | 4                        | 0-3     | 1              | 3-3     | 12             | 42- 95  | 80    | 6                   | 1-9     | 2.3   | 10                   | 1.9-7.0 | 4.14  |
| 136       | IR 9846-215-3         | 11               | 93-133  | 101   | 4                        | 0-5     | 3              | 1-5     | 12             | 61- 95  | 80    | 8                   | 1-9     | 3.8   | 11                   | 0.7-6.0 | 3.23  |
| 137       | IR 13419-113-1        | 11               | 95-125  | 108   | 4                        | 0-6     | 3              | 1-7     | 11             | 55-105  | 86    | 8                   | 1-7     | 1.8   | 10                   | 1.6-6.2 | 3.57  |
| 138       | P 1397-4-9M-3-3M-3    | 12               | 92-116  | 103   | 4                        | 0-3     | 2              | 1-3     | 13             | 50-110  | 89    | 8                   | 1-5     | 1.8   | 12                   | 1.2-8.7 | 4.88  |
| 139       | IR 11248-148-3-2-3-3  | 12               | 90-112  | 100   | 4                        | 0-5     | 2              | 1-3     | 13             | 54-105  | 87    | 8                   | 1-5     | 1.5   | 12                   | 1.6-6.9 | 4.48  |
| 140       | CICA 8 (testigo)      | 11               | 95-114  | 105   | 3                        | 0-1     | 2              | 3-5     | 12             | 52-110  | 84    | 8                   | 1-9     | 2.5   | 11                   | 1.5-7.7 | 5.15  |
| 141       | IR 17492-18-6-1-1-3-3 | 12               | 96-116  | 105   | 4                        | 0-5     | 2              | 1-7     | 13             | 50-105  | 81    | 8                   | 1-7     | 1.8   | 12                   | 1.0-5.0 | 3.05  |

Continúa...

Cuadro 3.9 (Continuación)

| Línea<br>no. | Designación                | Floración<br>(días) |         |       | Piricularia <sup>a</sup> |         |                  |         | Altura           |         |       | Vuelco <sup>b</sup> |         |       | Rendimiento<br>(ton/ha) |         |       |
|--------------|----------------------------|---------------------|---------|-------|--------------------------|---------|------------------|---------|------------------|---------|-------|---------------------|---------|-------|-------------------------|---------|-------|
|              |                            | No.de<br>Pruebas    | Min-Max | Prom. | B1                       |         | NB1              |         | No.de<br>Pruebas | Min-Max | Prom. | No.de<br>Pruebas    | Min-Max | Prom. | No.de<br>Pruebas        | Min-Max | Prom. |
|              |                            |                     |         |       | No.de<br>Pruebas         | Min-Max | No.de<br>Pruebas | Min-Max |                  |         |       |                     |         |       |                         |         |       |
| 142          | IR 3351-38-3-1             | 10                  | 97-132  | 114   | 3                        | 0-1     | 1                | 1-1     | 11               | 68-110  | 88    | 7                   | 1-5     | 1.6   | 10                      | 1.2-4.6 | 2.88  |
| 143          | CR 1002                    | 12                  | 96-132  | 111   | 3                        | 0-5     | 1                | 1-1     | 12               | 52-125  | 100   | 8                   | 1-7     | 1.8   | 11                      | 1.8-6.7 | 3.77  |
| 144          | P 2020 F4-160-18-1B        | 11                  | 96-115  | 104   | 4                        | 0-5     | 2                | 1-7     | 12               | 61-104  | 87    | 8                   | 1-9     | 2.8   | 11                      | 2.8-7.8 | 4.89  |
| 145          | B 2360-2-3-1-9-5           | 11                  | 98-132  | 117   | 3                        | 0-5     | 2                | 3-5     | 12               | 65-100  | 86    | 8                   | 1-1     | 1.0   | 11                      | 1.4-5.3 | 2.99  |
| 146          | IR 4427-315-2-3            | 12                  | 95-128  | 107   | 4                        | 0-3     | 2                | 1-7     | 13               | 44-110  | 88    | 8                   | 1-1     | 1.0   | 12                      | 0.9-6.3 | 3.62  |
| 147          | A 15-100-1-3-1             | 12                  | 95-109  | 103   | 4                        | 0-4     | 2                | 1-5     | 13               | 62-130  | 106   | 8                   | 1-9     | 3.3   | 12                      | 1.2-5.8 | 4.04  |
| 148          | CIAT-ICA 5                 | 11                  | 98-114  | 104   | 4                        | 0-3     | 2                | 1-7     | 12               | 56-100  | 90    | 8                   | 1-7     | 1.8   | 11                      | 2.8-6.8 | 4.98  |
| 149          | P 2020 F4-5-18-1B          | 11                  | 96-114  | 104   | 4                        | 0-3     | 2                | 1-3     | 12               | 59-110  | 86    | 7                   | 1-9     | 2.6   | 11                      | 2.7-7.2 | 5.15  |
| 150          | IR 9852-53-2               | 12                  | 95-127  | 108   | 4                        | 0-3     | 2                | 1-5     | 13               | 50-101  | 86    | 8                   | 1-9     | 2.6   | 12                      | 2.0-5.6 | 3.96  |
| 151          | IR 34'75-G 2 CO-CNT 84-1-1 | 12                  | 95-127  | 112   | 3                        | 0-5     | 2                | 1-3     | 12               | 67-117  | 100   | 8                   | 1-5     | 1.8   | 12                      | 0.4-4.7 | 2.77  |
| 152          | B 2360-2-3-1-9-1           | 11                  | 102-155 | 119   | 4                        | 0-5     | 1                | 3-3     | 11               | 68- 99  | 84    | 8                   | 1-1     | 1.0   | 10                      | 0.7-4.1 | 2.79  |
| 153          | P 2030 F4-82-18-1B         | 11                  | 102-134 | 115   | 4                        | 0-4     | 2                | 1-3     | 12               | 70-143  | 93    | 8                   | 1-3     | 1.3   | 11                      | 2.5-6.2 | 4.52  |
| 154          | IR 10781-75-3-2-2          | 12                  | 96-112  | 106   | 4                        | 0-1     | 2                | 1-7     | 13               | 66-143  | 98    | 8                   | 1-5     | 1.8   | 12                      | 3.1-7.9 | 4.53  |
| 155          | P 2019 F4-118-18-1B        | 12                  | 86-127  | 102   | 4                        | 0-3     | 3                | 1-6     | 13               | 62-137  | 95    | 8                   | 1-3     | 1.3   | 12                      | 0.8-4.9 | 3.09  |
| 156          | IR 11288-B-B-445-1         | 11                  | 104-133 | 114   | 4                        | 0-1     | 1                | 1-1     | 12               | 67-146  | 94    | 8                   | 1-1     | 1.0   | 11                      | 1.5-6.2 | 4.33  |
| 157          | P 1383-B-11M-3-1B          | 12                  | 97-134  | 114   | 4                        | 0-2     | 2                | 1-3     | 13               | 63-146  | 95    | 8                   | 1-1     | 1.0   | 12                      | 0.9-6.3 | 3.83  |
| 158          | P 2030 F4-58-18-1B         | 12                  | 95-119  | 106   | 4                        | 0-3     | 2                | 1-3     | 13               | 50-141  | 93    | 8                   | 1-5     | 1.8   | 12                      | 1.8-6.8 | 4.48  |
| 159          | P 2030 F4-232-18-1B        | 12                  | 97-120  | 107   | 4                        | 0-3     | 2                | 1-5     | 13               | 53-141  | 88    | 7                   | 1-3     | 1.3   | 12                      | 1.2-6.1 | 3.84  |
| 160          | Chinese                    | 10                  | 98-115  | 105   | 4                        | 0-6     | 1                | 3-3     | 11               | 63-140  | 90    | 7                   | 1-1     | 1.0   | 10                      | 2.2-7.8 | 5.15  |

a. Según escala internacional 0-9

b. Según escala internacional 0-9; 0 = sin volcamiento; 9 = 100% de volcamiento

Cuadro 3.10 Líneas del VIOAL- 1982, resistentes a piricularia y añublo de la vaina en seco favorecido en varias localidades de América Central y México

| Línea no. | Designación         | Origen    | Localidad <sup>a</sup> / Incidencia de Piricularia (Bl y NBl) y Añublo de la Vaina (ShB) |    |    |    |     |    |    |     |    | Floración <sup>b</sup> (días) | Rendimiento <sup>c</sup> (ton/ha) |
|-----------|---------------------|-----------|--|----|----|----|-----|----|----|-----|----|-------------------------------|-----------------------------------|
|           |                     |           | Bl   |    |    |    | NBl |    |    | ShB |    |                               |                                   |
|           |                     |           | 10   | 14 | 15 | 20 | 6   | 19 | 20 | 15  | 19 |                               |                                   |
| 16        | IR 15723-45-3-2     | IRRI      | 1  | 1  | 4  | -  | 3   | -  | 1  | 3   | 5  | 89                            | 3.80                              |
| 23        | IR 13384-79-2       | IRRI      | 1  | 3  | 4  | 1  | -   | -  | 1  | 3   | 3  | 88                            | 2.81                              |
| 24        | IR 13429-196-1      | IRRI      | 1  | 3  | 4  | 3  | -   | -  | 1  | 3   | 5  | 87                            | 4.26                              |
| 25        | IR 9698-16-3-3-2    | IRRI      | 1  | 3  | 0  | 1  | -   | -  | 1  | 3   | 5  | 93                            | 3.67                              |
| 53        | P 1358-5-19M-2-1B   | CIAT-ICA  | 1  | 3  | 0  | 1  | 3   | -  | 1  | 1   | -  | 102                           | 4.45                              |
| 76        | P 2057 F4-48-5-1B   | CIAT-ICA  | 2  | 3  | 0  | 4  | 3   | -  | 1  | 3   | 5  | 101                           | 5.17                              |
| 81        | P 2060 F4-2-5-1B    | CIAT-ICA  | 2  | 3  | 0  | 2  | -   | -  | 1  | 1   | -  | 102                           | 4.93                              |
| 90        | P 2068 F4-116-2-1B  | CIAT-ICA  | 1  | 3  | 0  | 1  | -   | 1  | 3  | 1   | -  | 92                            | 5.58                              |
| 91        | P 2081 F4-40-1B-1B  | CIAT-ICA  | 1  | 3  | 0  | 4  | -   | 1  | 1  | 1   | -  | 104                           | 4.96                              |
| 92        | P 2182 F4-39-1B-1B  | CIAT-ICA  | 1  | 3  | 0  | 3  | 3   | 3  | 1  | 1   | -  | 107                           | 4.63                              |
| 93        | P 2182 F4-49-1B-1B  | CIAT-ICA  | 1  | 3  | 0  | 1  | -   | 1  | 1  | 1   | -  | 105                           | 4.13                              |
| 98        | P 2193 F4-22-1B-1B  | CIAT-ICA  | 1  | 3  | 0  | 1  | -   | -  | 1  | 1   | 3  | 104                           | 5.30                              |
| 99        | P 2193 F4-140-1B-1B | CIAT-ICA  | 1  | 1  | 0  | 1  | 3   | -  | 2  | 1   | 1  | 101                           | 4.79                              |
| 102       | P 2217 F4-45-1B     | CIAT-ICA  | 1  | 3  | 0  | 3  | -   | -  | 3  | 1   | -  | 110                           | 4.91                              |
| 105       | P 2217 F4-24-1B     | CIAT-ICA  | 1  | 3  | 0  | 3  | -   | -  | 1  | 3   | -  | 111                           | 5.22                              |
| 116       | IR 14632-22-3       | IRRI      | 1  | 3  | 0  | 1  | 3   | -  | 3  | 1   | -  | 101                           | 5.37                              |
| 121       | IR 3262-3-9-4-5     | IRRI      | -  | 3  | 0  | 4  | -   | -  | 1  | 1   | -  | 95                            | 4.06                              |
| 129       | P 2025 F4-159-1B-1B | CIAT-ICA  | 2  | 1  | 0  | 1  | 3   | -  | 1  | 1   | -  | 105                           | 5.02                              |
| 135       | BW 170              | Sri Lanka | 1  | 3  | 0  | 3  | -   | -  | 3  | 1   | 3  | 108                           | 4.26                              |
| 138       | P 1397-4-9M-3-3M-3  | CIAT-ICA  | 1  | 3  | 0  | 1  | 3   | -  | 1  | 1   | -  | 102                           | 5.40                              |
| 142       | IR 3351-38-3-1      | IRRI      | -  | 1  | 0  | 1  | -   | -  | 1  | 1   | -  | 112                           | 3.41                              |
| 149       | P 2020 F4-5-1B-1B   | CIAT-ICA  | 1  | 1  | 0  | 3  | 3   | -  | 1  | 1   | -  | 104                           | 4.48                              |
| 153       | P 2030 F4-82-1B-1B  | CIAT-ICA  | 2  | 1  | 0  | 4  | 3   | -  | 1  | 1   | -  | 115                           | 5.21                              |
| 156       | IR 11288-B-B-445-1  | IRRI      | 1  | 1  | 0  | 1  | -   | -  | 1  | 1   | 5  | 113                           | 5.41                              |
| 157       | P 1383-8-11M-3-1B   | CIAT-ICA  | 2  | 1  | 0  | 1  | 3   | -  | 1  | 1   | -  | 112                           | 5.12                              |
| 158       | P 2030 F4-58-1B-1B  | CIAT-ICA  | 1  | 3  | 0  | 3  | 3   | -  | 1  | 1   | -  | 105                           | 5.24                              |
| Testigos  |                     |           |  |    |    |    |     |    |    |     |    |                               |                                   |
|           | IR 50               | Filipinas | 1  | 1  | 4  | 3  | 5   | -  | 8  | 3   | 7  | 81                            | 3.89                              |
|           | IR 36               | Filipinas | 1  | 5  | 0  | 1  | 5   | 0  | 1  | 1   | 7  | 91                            | 3.83                              |

Continúa....



Cuadro 3.10 (Continuación)

| Línea<br>no. | Designación | Origen    | Localidad <sup>a</sup> / Incidencia de Piricularia (B1 y NB1)<br>y Añublo de la Vaina (ShB) |    |    |    |     |    |    |     |    | Floración <sup>b</sup><br>(días) | Rendimiento <sup>c</sup><br>(ton/ha) |
|--------------|-------------|-----------|---|----|----|----|-----|----|----|-----|----|----------------------------------|--------------------------------------|
|              |             |           | B1  |    |    |    | NB1 |    |    | ShB |    |                                  |                                      |
|              |             |           | 10  | 14 | 15 | 20 | 6   | 19 | 20 | 15  | 19 |                                  |                                      |
|              | CICA 4      | Colombia  | 5   | 5  | 0  | 7  | 3   | 7  | 4  | 1   | 6  | 94                               | 3.52                                 |
|              | IR 43       | Filipinas | 2   | 1  | 0  | 3  | 3   | -  | 1  | 1   | 7  | 95                               | 5.04                                 |
|              | CICA 8      | Colombia  | 1   | 2  | 0  | 3  | 4   | -  | 2  | 1   | 3  | 103                              | 5.36                                 |
|              | IR 42       | Filipinas | 1   | 3  | 0  | 1  | 7   | -  | 1  | 1   | -  | 110                              | 3.94                                 |
|              | Chinese     | Kenya     | 5   | 3  | 0  | 6  | -   | -  | 3  | 1   | -  | 101                              | 5.48                                 |

a. Localidades: 6 = Campeche (México), 10 = Los Amates (Guatemala), 14 = Progreso (Honduras), 15 = Cañas (Costa Rica), 19 = Chepo (Panamá), 20 = David (Panamá)

b. Promedio de las 6 localidades

c. Promedio de las 5 localidades (No se incluyó a Costa Rica)

Cuadro 3.11 Líneas del VIOAL- 1982, resistentes a Piricularia y Escaldado de la hoja en seco favorecido en varias localidades de América Central y México.

| Línea no. | Designación         | Origen    | Localidad <sup>a</sup> / Incidencia de Piricularia (B1 y NBI) y Escaldado de la hoja (LSc) |    |    |    |     |    |    |     |    |    |    | Floración <sup>b</sup> (días) | Rndto. <sup>c</sup> (ton/ha) |  |
|-----------|---------------------|-----------|--|----|----|----|-----|----|----|-----|----|----|----|-------------------------------|------------------------------|--|
|           |                     |           | B1   |    |    |    | NBI |    |    | LSc |    |    |    |                               |                              |  |
|           |                     |           | 10   | 14 | 15 | 20 | 6   | 19 | 20 | 6   | 10 | 15 | 20 |                               |                              |  |
| 4         | IR 19746-28-2-2-3   | IRRI      | 1  | 3  | 0  | 1  | -   | -  | 1  | 3   | 2  | 5  | 3  | 78                            | 3.65                         |  |
| 15        | IR 9828-91-2-3      | IRRI      | 1  | 3  | 4  | 1  | -   | -  | 1  | 3   | 1  | 5  | 4  | 90                            | 4.12                         |  |
| 16        | IR 15723-45-3-2     | IRRI      | 1  | 1  | 4  | -  | 3   | -  | 1  | 3   | 1  | 5  | 1  | 89                            | 3.80                         |  |
| 21        | IR 13429-299-3-1-3  | IRRI      | 1  | 1  | 0  | 1  | -   | -  | 1  | 3   | 1  | 5  | 1  | 89                            | 5.18                         |  |
| 23        | IR 13384-79-2       | IRRI      | 1  | 3  | 4  | 1  | -   | -  | 1  | 3   | -  | 5  | 2  | 88                            | 2.81                         |  |
| 24        | IR 13429-196-1      | IRRI      | 1  | 3  | 4  | 3  | -   | -  | 1  | 3   | 4  | 5  | 2  | 87                            | 4.26                         |  |
| 53        | P 1358-5-19M-2-1B   | CIAT-ICA  | 1  | 3  | 0  | 1  | 3   | -  | 1  | 1   | 2  | 3  | 1  | 102                           | 4.45                         |  |
| 92        | P 2182 F4-39-1B-1B  | CIAT-ICA  | 1  | 3  | 0  | 3  | 3   | 3  | 1  | 3   | 3  | 3  | 5  | 107                           | 4.63                         |  |
| 93        | P 2182 F4-49-1B-1B  | CIAT-ICA  | 1  | 3  | 0  | 1  | -   | 1  | 1  | 3   | -  | 3  | 3  | 105                           | 4.13                         |  |
| 99        | P 2193 F4-140-1B-1B | CIAT-ICA  | 1  | 1  | 0  | 1  | 3   | -  | 2  | 3   | -  | 3  | 1  | 101                           | 4.79                         |  |
| 106       | P 2217 F4-28-1B     | CIAT-ICA  | 1  | 3  | 0  | 3  | 3   | -  | 1  | 1   | -  | 5  | 3  | 98                            | 3.99                         |  |
| 116       | IR 14632-22-3       | IRRI      | 1  | 3  | 0  | 1  | 3   | -  | 3  | 1   | 3  | 3  | 2  | 101                           | 5.37                         |  |
| 117       | IR 1529-Ecia        | Cuba      | 1  | 3  | 0  | 4  | 3   | -  | 1  | 1   | 3  | 1  | 1  | 100                           | 4.71                         |  |
| 121       | IR 3262-3-9-4-5     | IRRI      | -  | 3  | 0  | 4  | -   | -  | 1  | 1   | -  | 3  | 2  | 95                            | 4.06                         |  |
| 129       | P 2025 F4-159-1B-1B | CIAT-ICA  | 2  | 1  | 0  | 1  | 3   | -  | 1  | 1   | 2  | 3  | 1  | 105                           | 5.02                         |  |
| Testigos  |                     |           |  |    |    |    |     |    |    |     |    |    |    |                               |                              |  |
|           | IR 50               | Filipinas | 1  | 1  | 4  | 3  | 5   | -  | 8  | 3   | 2  | 5  | 3  | 81                            | 3.89                         |  |
|           | IR 36               | Filipinas | 1  | 5  | 0  | 1  | 5   | 0  | 1  | 5   | 7  | 5  | 4  | 91                            | 3.83                         |  |
|           | CICA 4              | Colombia  | 5  | 5  | 0  | 7  | 3   | 7  | 4  | 1   | 3  | 3  | 1  | 94                            | 3.52                         |  |
|           | IR 43               | Filipinas | 2  | 1  | 0  | 3  | 3   | -  | 1  | 1   | 6  | 5  | 5  | 95                            | 5.04                         |  |
|           | CICA 8              | Colombia  | 1  | 2  | 0  | 3  | 4   | -  | 2  | 1   | 6  | 6  | 3  | 103                           | 5.36                         |  |
|           | IR 42               | Filipinas | 1  | 3  | 0  | 1  | 7   | -  | 1  | 1   | 4  | 3  | 3  | 110                           | 3.94                         |  |
|           | Chinese             | Kenya     | 5  | 3  | 0  | 6  | -   | -  | 3  | -   | 3  | 3  | 1  | 101                           | 5.48                         |  |

a. Localidades: 6 = Campeche (México), 10 = Los Amates (Guatemala), 14 = Progreso (Honduras), 15 = Cañas (Costa Rica), 19 = Chepo (Panamá), 20 = David (Panamá)

b. Promedio de 6 localidades

c. Promedio de 5 localidades

Cuadro 3.12 Líneas del VIOAL-1982, resistentes a piricularia y manchado del grano en seco favorecido en varias localidades de América Central y México

| Línea No. | Designación        | Origen    | Localidad <sup>a</sup> / Incidencia de Piricularia (BI y NBL) y Manchado de Grano (GID). |    |    |    |     |    |    |     |    | Floración <sup>b</sup> (días) | Rendimiento <sup>c</sup> (ton/ha) |
|-----------|--------------------|-----------|--|----|----|----|-----|----|----|-----|----|-------------------------------|-----------------------------------|
|           |                    |           | BI   |    |    |    | NBL |    |    | GID |    |                               |                                   |
|           |                    |           | 10   | 14 | 15 | 20 | 6   | 19 | 20 | 9   | 17 |                               |                                   |
| 25        | IR 9698-16-3-3-2   | IRRI      | 1  | 3  | 0  | 1  | -   | -  | 1  | 3   | 3  | 94                            | 3.89                              |
| 76        | P 2057 F4-48-5-1B  | CIAT-ICA  | 2  | 3  | 0  | 4  | 3   | -  | 1  | 3   | 3  | 101                           | 5.06                              |
| 90        | P 2068 F4-116-2-1B | CIAT-ICA  | 1  | 3  | 0  | 1  | -   | 1  | 3  | 3   | 3  | 92                            | 5.50                              |
| 91        | P 2181 F4-40-1B-1B | CIAT-ICA  | 1  | 3  | 0  | 4  | -   | 1  | 1  | 4   | 3  | 103                           | 4.20                              |
| 102       | P 2217 F4-45-1B    | CIAT-ICA  | 1  | 3  | 0  | 3  | -   | -  | 3  | 4   | 1  | 110                           | 4.47                              |
| 133       | P 2023 F4-16-1B-1B | CIAT-ICA  | 1  | 1  | 0  | 3  | 1   | -  | 1  | 4   | 3  | 98                            | 4.38                              |
| 135       | BW 170             | Sri-Lanka | 1  | 3  | 0  | 3  | -   | -  | 3  | 4   | 3  | 107                           | 4.12                              |
| 142       | IR 3351-38-3-1     | IRRI      | -  | 1  | 0  | 1  | -   | -  | 1  | 4   | 1  | 112                           | 3.13                              |
| 153       | P 2030 F4-82-1B-1B | CIAT-ICA  | 2  | 1  | 0  | 4  | 3   | -  | 1  | 4   | 1  | 113                           | 4.85                              |
| 156       | IR 11288-B-B-445-1 | IRRI      | 1  | 1  | 0  | 1  | -   | -  | 1  | 4   | 1  | 112                           | 5.00                              |
| 157       | P 1383-8-11M-3-1B  | CIAT-ICA  | 2  | 1  | 0  | 1  | 3   | -  | 1  | 4   | 1  | 112                           | 4.60                              |
| 158       | P 2030 F4-58-1B-1B | CIAT-ICA  | 1  | 3  | 0  | 3  | 3   | -  | 1  | 4   | 1  | 105                           | 4.94                              |
| Testigos  |                    |           |  |    |    |    |     |    |    |     |    |                               |                                   |
|           | IR 50              | Filipinas | 1  | 1  | 4  | 3  | 5   | -  | 8  | 7   | 5  | 80                            | 3.88                              |
|           | IR 36              | Filipinas | 1  | 5  | 0  | 1  | 5   | 0  | 1  | 5   | 3  | 91                            | 3.48                              |
|           | CICA 4             | Colombia  | 5  | 5  | 0  | 7  | 3   | 7  | 4  | 6   | 3  | 102                           | 3.22                              |
|           | IR 43              | Filipinas | 2  | 1  | 0  | 3  | 3   | -  | 1  | 3   | 3  | 96                            | 5.20                              |
|           | CICA 8             | Colombia  | 1  | 2  | 0  | 3  | 4   | -  | 2  | 4   | 3  | 104                           | 5.19                              |
|           | IR 42              | Filipinas | 1  | 3  | 0  | 1  | 7   | -  | 1  | 7   | 1  | 111                           | 3.57                              |
|           | Chinese            | Kenia     | 5  | 3  | 0  | 6  | -   | -  | 3  | 3   | 1  | 102                           | 5.42                              |

a. Localidades : 6 = Campeche (México); 9 = Cuyuta (Guatemala); 10 = Los Amates (Guatemala); 14 = Progreso (Honduras); 15 = Cañas (Costa Rica); 17 = Tocumen (Panamá); 19 Chepo (Panamá); 20 David (Panamá).

b. Promedio de 8 localidades

c. Promedio de 6 localidades

Cuadro 3.13 Líneas del VIRAL-1982, con tolerancia a piricularia, Añublo de la vaina, Escaldado de la hoja y Manchado de grano

| Línea No. | Designación          | Origen    | Localidad <sup>a</sup> / Incidencia de enfermedades <sup>b</sup> |    |    |    |     |    |    |     |    |     |    |    |    |     | Floración <sup>c</sup><br>(días) | Rendimiento <sup>d</sup><br>(ton/ha) |      |
|-----------|----------------------|-----------|--|----|----|----|-----|----|----|-----|----|-----|----|----|----|-----|----------------------------------|--------------------------------------|------|
|           |                      |           | B1   |    |    |    | NB1 |    |    | ShB |    | LSC |    |    |    | GID |                                  |                                      |      |
|           |                      |           | 10   | 14 | 15 | 20 | 6   | 19 | 20 | 15  | 19 | 6   | 10 | 15 | 20 | 9   |                                  |                                      | 17   |
| 25        | IR 9698-16-3-3-2     | IRRI      | 1  | 3  | 0  | 1  | -   | -  | 1  | 3   | 5  | 3   | 5  | 5  | 1  | 3   | 3                                | 94                                   | 3.89 |
| 29        | IR 9846-145-3-3      | IRRI      | 1  | 5  | 0  | 1  | -   | -  | 1  | 5   | 5  | 1   | 2  | 3  | 1  | 3   | 3                                | 90                                   | 3.60 |
| 44        | Chianung Sen Yu 13   | Taiwan    | 1  | 5  | 0  | 4  | -   | 3  | 3  | 1   | 5  | 1   | 3  | 3  | -  | 4   | 3                                | 96                                   | 3.76 |
| 52        | IR 5853-118-5        | IRRI      | 1  | 5  | 0  | 1  | 3   | -  | 1  | 1   | 3  | 3   | 5  | 3  | 3  | 5   | 3                                | 97                                   | 4.48 |
| 53        | P 1358-5-19M-2-1B    | CIAT-ICA  | 1  | 3  | 0  | 1  | 3   | -  | 1  | 1   | -  | 1   | 2  | 3  | 1  | 5   | 3                                | 102                                  | 4.18 |
| 76        | P 2057 F4-48-5-1B    | CIAT-ICA  | 2  | 3  | 0  | 4  | 3   | -  | 1  | 3   | 5  | 1   | 5  | 5  | 3  | 3   | 3                                | 101                                  | 5.06 |
| 78        | P 2057 F4-88-3-1B    | CIAT-ICA  | 1  | 1  | 0  | 1  | -   | -  | 1  | 1   | 3  | 3   | 5  | 3  | 3  | 4   | 3                                | 100                                  | 5.04 |
| 81        | P 2060 F4-2-5-1B     | CIAT-ICA  | 2  | 3  | 0  | 2  | -   | -  | 1  | 1   | -  | 1   | 5  | 5  | 3  | 5   | 3                                | 103                                  | 4.62 |
| 92        | P 2182 F4-39-1B-1B   | CIAT-ICA  | 1  | 3  | 0  | 3  | 3   | 3  | 1  | 1   | -  | 3   | 3  | 3  | 5  | 5   | 3                                | 107                                  | 4.14 |
| 93        | P 2182 F4-49-1B-1B   | CIAT-ICA  | 1  | 3  | 0  | 1  | -   | 1  | 1  | 1   | -  | 3   | -  | 3  | 3  | 5   | 3                                | 106                                  | 3.64 |
| 99        | P 2193 F4-140-1B-1B  | CIAT-ICA  | 1  | 1  | 0  | 1  | 3   | -  | 2  | 1   | 1  | 3   | -  | 3  | 1  | 5   | 3                                | 102                                  | 4.41 |
| 114       | P 2220 F4-28-1B      | CIAT-ICA  | 1  | 5  | 0  | 4  | 3   | -  | 3  | 1   | 3  | 1   | 3  | 3  | 2  | 3   | 1                                | 103                                  | 4.99 |
| 116       | IR 14632-22-3        | IRRI      | 1  | 3  | 0  | 1  | 3   | -  | 3  | 1   | -  | 1   | 3  | 3  | 2  | 6   | 3                                | 103                                  | 4.99 |
| 125       | IR 11248-13-2-3      | IRRI      | 1  | 3  | 0  | 1  | 5   | -  | 1  | 1   | -  | 1   | 4  | 1  | 2  | 4   | 3                                | 98                                   | 4.93 |
| 139       | IR 11248-148-3-2-3-3 | IRRI      | 1  | 5  | 0  | 1  | 3   | -  | 1  | 1   | 3  | 1   | 4  | 5  | 3  | 5   | 5                                | 101                                  | 4.28 |
| 143       | CR 1002              | INDIA     | 5  | 1  | 0  | -  | -   | -  | 1  | 1   | -  | 1   | -  | 5  | 1  | 4   | 1                                | 113                                  | 3.85 |
| 145       | B 2360-2-3-1-9-5     | Indonesia | 5  | 3  | 0  | -  | -   | 3  | -  | 1   | -  | 1   | 5  | 5  | 1  | 4   | 1                                | 115                                  | 3.02 |
| 150       | IR 9852-53-2         | IRRI      | 1  | 3  | 0  | 1  | 5   | -  | 1  | 1   | -  | -   | 5  | 5  | 3  | 4   | 3                                | 108                                  | 4.06 |
| 152       | B 2360-2-3-1-9-1     | Indonesia | 5  | 1  | 0  | 4  | -   | 3  | -  | 1   | 3  | 3   | -  | 5  | 1  | 4   | 1                                | 119                                  | 2.72 |
| 156       | IR 11288-B-B-445-1   | IRRI      | 1  | 1  | 0  | 1  | -   | -  | 1  | 1   | 5  | 3   | 5  | 5  | 3  | 4   | 1                                | 112                                  | 5.00 |
| 157       | P 1383-8-11M-3-1B    | CIAT-ICA  | 2  | 1  | 0  | 1  | 3   | -  | 1  | 1   | -  | 3   | 5  | 5  | 3  | 4   | 1                                | 112                                  | 4.60 |
| Testigos  |                      |           |  |    |    |    |     |    |    |     |    |     |    |    |    |     |                                  |                                      |      |
|           | IR 50                | Filipinas | 1  | 1  | 4  | 3  | 5   | -  | 8  | 3   | 7  | 3   | 2  | 5  | 3  | 7   | 5                                | 80                                   | 3.88 |
|           | IR 36                | Filipinas | 1  | 5  | 0  | 1  | 5   | 0  | 1  | 1   | 7  | 5   | 7  | 5  | 4  | 5   | 3                                | 91                                   | 3.48 |
|           | CICA 4               | Colombia  | 5  | 5  | 0  | 7  | 3   | 7  | 4  | 1   | 6  | 1   | 3  | 3  | 1  | 6   | 3                                | 102                                  | 3.22 |
|           | IR 43                | Filipinas | 2  | 1  | 0  | 3  | 3   | -  | 1  | 1   | 7  | 1   | 6  | 5  | 5  | 3   | 3                                | 96                                   | 5.20 |
|           | CICA 8               | Colombia  | 1  | 2  | 0  | 3  | 4   | -  | 2  | 1   | 3  | 1   | 6  | 6  | 3  | 4   | 3                                | 104                                  | 5.19 |
|           | IR 42                | Filipinas | 1  | 3  | 0  | 1  | 7   | -  | 1  | 1   | -  | 1   | 4  | 3  | 3  | 7   | 1                                | 111                                  | 3.57 |
|           | Chinese              | Kenia     | 5  | 3  | 0  | 6  | -   | -  | 3  | 1   | -  | -   | 3  | 3  | 1  | 3   | 1                                | 102                                  | 5.42 |

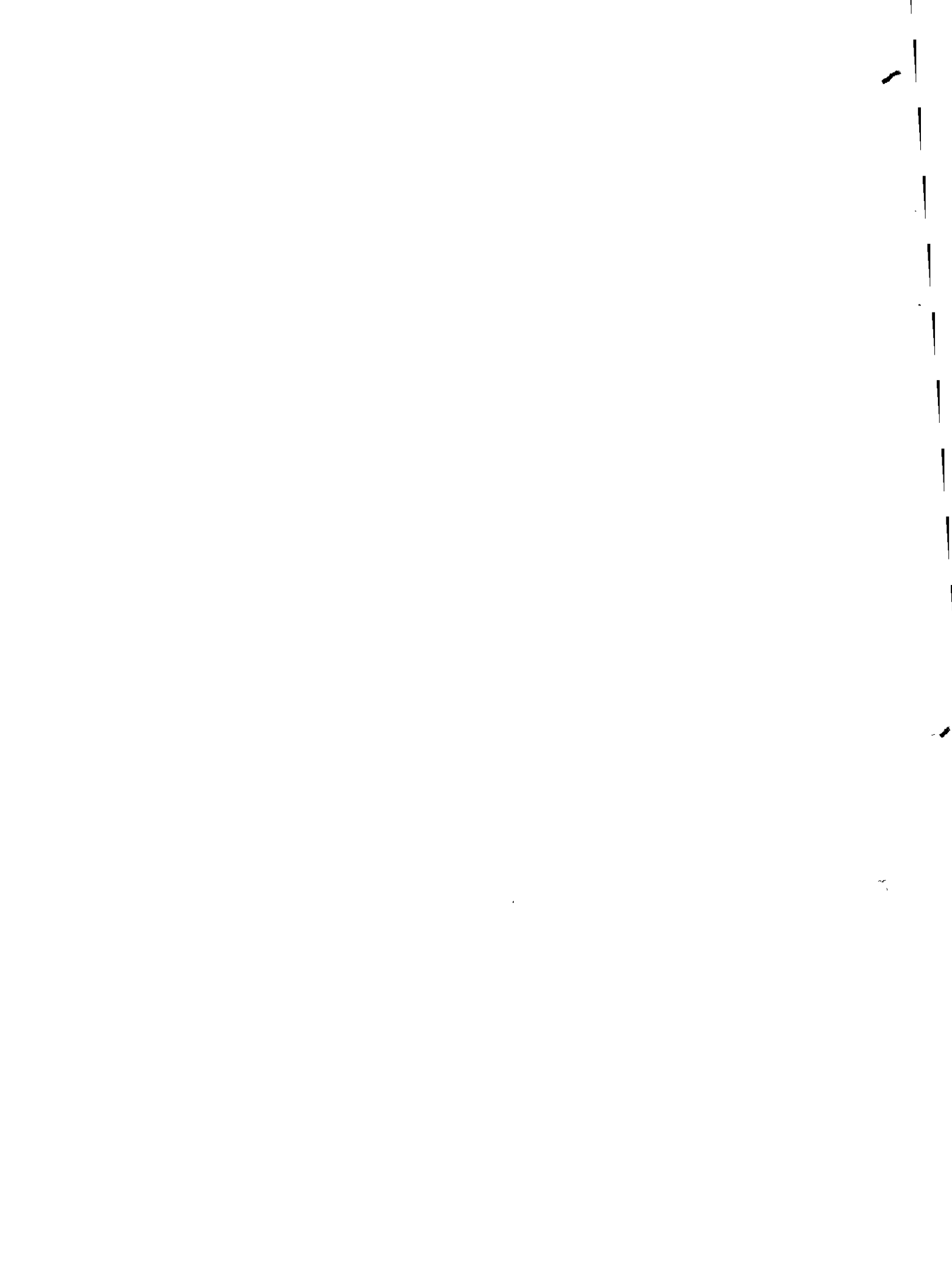
a. Localidades : 6 = Campeche (México); 9 = Cuyuta (Guatemala); 10 Los Amates (Guatemala); 14 = Progreso (Honduras); 15 = Cañas (Costa Rica); 17 Tocumen (Panamá); 19 Chepo (Panamá); 20 David (Panamá).

b. Según escala internacional 0-9; 0 = resistente, 9 = susceptible.

c. Promedio de 8 localidades

d. Promedio de 6 localidades

**Primer Vivero Internacional  
de Observación de Arroz  
para Secano no Favorecido  
en América Latina  
(VIOAL-SNF, 1982)**



✓

PRIMER VIVERO INTERNACIONAL DE OBSERVACIÓN DE  
ARROZ PARA SECANO NO FAVORECIDO EN AMÉRICA LATINA

(VIOAL-SNF, 1982) ✓

El Primer Vivero Internacional de Observación de Arroz para Secano no Favorecido (VIOAL-SNF) de 1982, se formó con 91 líneas y/o variedades seleccionadas de varios viveros del IRTP, principalmente de los de secano, distribuidos por el CIAT y el IRRI en 1981. Se incluyeron como variedades testigo a Salumpikit (Filipinas), IAC 47 (Brasil), Monolaya (Colombia) y Sein Ta Lay (Birmania). El nombre y origen del germoplasma de este vivero se indican en el Cuadro 4.1

El VIOAL-SNF, 1982 fue sembrado en 14 localidades de la región (Cuadro 4.2), en los ecosistemas que se indican en el Cuadro 4.3. La siembra correspondiente a CIAT-Palmira, se hizo en riego-transplante con el propósito de multiplicar semilla del germoplasma. De las 13 pruebas de secano, 8 fueron en el ecosistema no favorecido y 5 en secano favorecido.

El comportamiento del germoplasma sobre ciclo de duración y rendimiento en las 5 localidades de secano favorecido se presenta en los Cuadros 4.4 y 4.5.

En el Cuadro 4.6 se resumen las principales características sobre el comportamiento del germoplasma en el ecosistema de secano favorecido.

De las 8 pruebas del ecosistema secano no favorecido, no se incluyen a las localidades Zacatepec, México; Ochomoga, Nicaragua y Coclé, Panamá por tener datos incompletos. En los Cuadros 4.7 y 4.8 se presentan el ciclo de duración y rendimiento en 5 localidades de secano no favorecido. En este ecosistema, varias líneas mostraron un buen comportamiento, con rendimientos de 2.0-3.0 ton/ha.

En el Cuadro 4.9 se resumen las principales características del germoplasma observadas en las 5 pruebas de secano no favorecido.

En 4 localidades de secano no favorecido el germoplasma fue afectado por sequía, lo cual permitió identificar varias líneas tolerantes (Cuadro 4.10).

La presión de ciertas enfermedades fue severa en varias localidades y afectó la mayor parte del germoplasma. Sin embargo, 13 líneas mostraron tolerancia a piricularia; añublo de la vaina, helmintosporiosis, escaldado de la hoja, hoja blanca y manchado del grano (Cuadro 4.11).



Cuadro 4.1 Germoplasma del Primer Vivero Internacional de Observación de Arroz para Secano no Favorecido en América Latina (VIOAL-SNF, 1982)

| Línea no. | Designación                             | Cruce                                 | Origen    |
|-----------|---|---------------------------------------|-----------|
| 1         | RXOR/LACR//13-D/3/VSTA                  |                                       | U.S.A.    |
| 2         | BBNT/184675//13-D                       |                                       | U.S.A.    |
| 3         | IR 9752-1-2-1                           | IR 28/Kwang-Chang-AI//IR 36           | IRRI      |
| 4         | Dourado Precoce                         |                                       | Brasil    |
| 5         | Secano do Brasil                        |                                       | Brasil    |
| 6         | RRTL/3/6001/CENT//RXDL/SADR/4/Dawn/9570 |                                       | U.S.A.    |
| 7         | BBNT/184675//13-D                       |                                       | U.S.A.    |
| 8         | Nam Sagui                               |                                       | Tailandia |
| 9         | CR 156-5021-207                         |                                       | India     |
| 10        | IR 7473-118-2-2-3                       | IR 2061-213-2-16/IR 2588-48-3         | IRRI      |
| 11        | CODF/H 4                                |                                       | U.S.A.    |
| 12        | IR 9256-59                              | Kekowa Bao/IR 2061-213-2-16//IR 34    | IRRI      |
| 13        | IAC 1246                                | Pratao/Perola                         | Brasil    |
| 14        | IR 6115-1-1-1                           | IR 1529-680/Moroberekan               | IRRI      |
| 15        | Seratus Malam                           |                                       | Indonesia |
| 16        | IR 13415-9-3                            | IR 2863-38/IR 2058-78-1//IR 2863-38   | IRRI      |
| 17        | BR 51-282-8                             | IR 20/IR 5-114-3-1                    | B'desh    |
| 18        | IR 5853-118-5                           | Nam Sagui 19//IR 2071-88//IR 2061-214 | IRRI      |
| 19        | ITA 162 (TOX 503-7-116-1)               | Morob./2526, Rok 1, Tox 7)            | Nigeria   |
| 20        | Salumpikit (Testigo)                    |                                       | Filipinas |
| 21        | IR 4744-295-2-3                         | RPWG-13/IR 1721-11//IR 2061-464-2     | IRRI      |
| 22        | B 541 B-PN-58-5-3-1                     | Pelita I-1/IR 1108-2                  | Indonesia |
| 23        | 343 D.T.                                | IR 532/335                            | Vietnam   |
| 24        | IR 4535-8-2-1                           | IR 22//IR 1846 B/IR 2149              | IRRI      |
| 25        | IR 9171-60-2-2                          | IR 2031-724-2/IR 30//IR 2070-414-3    | IRRI      |
| 26        | IR 9763-11-2-2                          | IR 32/Mahsuri//IR 28                  | IRRI      |
| 27        | C 171-120                               | M.Sungsong/IR 20                      | Filipinas |
| 28        | B 2360-6-7-1-4                          | IR 2180-2/IR 2178-1                   | Indonesia |
| 29        | P 1035-5-6-1-1-1M                       | F1 P738/P 881xF1 P 738/P 868          | Colombia  |
| 30        | IR 6023-10-1-1                          | BPI 76*9/Dawn//LAC 23                 | IRRI      |

Continúa...

Cuadro 4.1 (Continuación)

| Línea no. | Designación          | Cruce                                 | Origen       |
|-----------|----------------------|---------------------------------------|--------------|
| 31        | BR 10 (BR 51-46-5)   | IR 20/IR 5-114-3-1                    | B'desh       |
| 32        | Kaohsiung Sen Yu 104 | Kaohsiung Sen Yu 11/IR 1561-69-5      | Taiwan       |
| 33        | Cisadane             | Pelita I-1//IR 789-98-2-3/IR 2157-3   | Indonesia    |
| 34        | IR 841-67-1          | IR 262-43-8-11/KDM 105                | IRRI         |
| 35        | IR 9852-18-1         | IR 2562-68-5/IR 2588-48-3/IR 2071-625 | IRRI         |
| 36        | IRAT 127             |                                       | Costa Marfil |
| 37        | Colombia 1           |                                       | Colombia     |
| 38        | UPL RI-5 (C 171-136) | Sigadis/BPI 76-1                      | Filipinas    |
| 39        | IR 9763-11-2-2       | IR 32/Mahsuri//IR 28                  | IRRI         |
| 40        | IAC 47 (Testigo)     |                                       | Brasil       |
| 41        | P 1264-6-11M-1-3M-4  | P 1217/P 1220                         | Colombia     |
| 42        | IR 4707-255-2-3      | IR 1888-156/IR 2061-213//IR 1561-228  | IRRI         |
| 43        | IR 8073-65-6-1       | IR 4-11/IR 2035-290-2-3//IR 2153-26-3 | IRRI         |
| 44        | IR 9846-23-2         | IR 2415-90-4-3/IR 30//IR 36           | IRRI         |
| 45        | IR 9763-11-2-2-3     | IR 32/Mahsuri//IR 28                  | IRRI         |
| 46        | IR 9852-18-1         | IR 2562-68-5/IR 2588-48-3/IR 2071-625 | IRRI         |
| 47        | IRAT 124             |                                       | Costa Marfil |
| 48        | P 1274-6-8M-1-3M-1   | P 1217/P 1232                         | Colombia     |
| 49        | IR 1529-680-3-2      | IR 305-3-17-1-3/IR 661-1-140-3        | IRRI         |
| 50        | IR 8997-4-4-2        | C.Lampung/C 4-63//IR 2053-375-1-3     | IRRI         |
| 51        | L 297-1-3            |                                       | Liberia      |
| 52        | IR 5105-156-2-3      | IR 841-85-1-1-2/IR 2061-464-2         | IRRI         |
| 53        | IRAT 138             | IRAT 13/R.75                          | Costa Marfil |
| 54        | IRAT 122             |                                       | Costa Marfil |
| 55        | CR 201               | IR 22 x F1 (IR 930-147-8 x Col.1)     | Costa Rica   |
| 56        | IR 14632-22-3        | IR 2863-38-1-2/IR 2058-78-1-3-2-3     | IRRI         |
| 57        | UPL RI-3 (C 424-2)   | M. Sungsong/IR 20                     | Filipinas    |
| 58        | P 2030 F4-235-1B-1B  | CICA 4//4440/CICA 7                   | Colombia     |
| 59        | P 1288-1-4M-2-1B     | F1 P1217/F1 P 1246                    | Colombia     |
| 60        | Monolaya (Testigo)   |                                       | Colombia     |

Continúa...

Cuadro 4.1 (Continuación)

| Línea no. | Designación            | Cruce                                  | Origen       |
|-----------|------------------------|--|--------------|
| 61        | IR 5853-115-3-1        |  | IRRI         |
| 62        | PAU 50-B-25-1          | Jaya/IR 579                            | India        |
| 63        | Chianung SI-PI 661020  | IR 1561-15/Chian-Sen 11//Chian-Sen 7   | Taiwan       |
| 64        | 30-TV                  | IR 1561/C 1 Thanh Hoa                  | Vietnam      |
| 65        | IR 9204-109            | IR 2061-213-2/IR 2031-354//IR 2071-176 | IRRI         |
| 66        | IR 2058-435-3-2-2-2    |  | IRRI         |
| 67        | SI-2                   | IR 820-17-1/C 4-63                     | Indonesia    |
| 68        | IR 9217-58-2-2         | IR 2071-588-6/IR 2061-213//IR 2058-78  | IRRI         |
| 69        | IET 4082 (CR 138-1040) | Jaya/TKMG                              | India        |
| 70        | IR 14632-2-3           | IR 2863-38-1-2/IR 2058-78-1-3-2-3      | IRRI         |
| 71        | P 2034 F4-46-1B-1B     | 4440//BG 90-2/CICA 4                   | Colombia     |
| 72        | PR 106                 | IR 8//Peta*5/Belle Patna               | India        |
| 73        | IR 3464-217-1-3        | IR 1628-68-3/IR 841-67-1/IR 2061-213   | IRRI         |
| 74        | 7 Canuto               |  | Ecuador      |
| 75        | P 1386-2-6M-5-1B       | P 1221/P 1238                          | Colombia     |
| 76        | IR 14632-212-2         | IR 2863-38-1-2/IR 2058-78-1-3-2-3      | IRRI         |
| 77        | UP'76#14               |  | Filipinas    |
| 78        | B 2277 C-MR-99-2       | Pelita I-1/Mudgo//Pelita I-2/E.Kora    | Indonesia    |
| 79        | IR 8192-166-2-2-3      | IR 2070-747/IR 2055-219//IR 2061-213   | IRRI         |
| 80        | Sein Tan Lay (Testigo) | A 52-21/C4-113                         | Burma        |
| 81        | P 1332-3-8M-1-1B       | P 1219/P 1228                          | Colombia     |
| 82        | IR 2588-2-3-3-1        |  | IRRI         |
| 83        | IR 14753-120-3         | IR 4683-54-2/IR 2058-78-1-3-2-3        | IRRI         |
| 84        | IRAT 129               |  | Costa Marfil |
| 85        | IR 13358-16-3-2        | IR 42*2/BG 90-2                        | IRRI         |
| 86        | IR 4570-83-3-3-2       | IR 1702-74-3/IR 1721-11-6//IR 2055-481 | IRRI         |
| 87        | CR 1024                | Pankaj/Kada 1                          | India        |
| 88        | IR 8098-41-3           | IR 2031-238-5-2//AUS 12//IR 2061-213-2 | IRRI         |
| 89        | IR 4595-4-1-15         | Pokkali/IR 2031-114-2//IR 2055-481-2   | IRRI         |
| 90        | P 2023 F4-65-1B-1B     | CICA 4//4440/CICA 7                    | Colombia     |

Continúa...

Cuadro 4.1 (Continuación)

| Línea<br>no. | Designación         | Cruce                                  | Origen   |
|--------------|---------------------|--|----------|
| 91           | P 2030 F4-67-1B-1B  | CICA 4//4440/CICA 7                    | Colombia |
| 92           | IR 13149-71-3-2     | BG 90-2/IR 2058-78-1-3//IR 4417-177    | IRRI     |
| 93           | P 1329-2-10M-3-1B   | F1 P 1219/F1 P 1223                    | Colombia |
| 94           | IR 5793-55-1-1-1    | IR 1820-52/IR 1721-11-6//IR 2061-213-2 | IRRI     |
| 95           | P 2030 F4-231-1B-1B | CICA 4//4440/CICA 7                    | Colombia |

Cuadro 4.2 Localidades en donde se sembró el Primer Vivero Internacional de Observación de Arroz para Secano no Favorecido en América Latina (VIOAL-SNF, 1982)

| Prueba<br>Nº | País        | Localidad           | Estación Experimental/Cooperador                    | Lat.   | Long.  | Altitud<br>(msnm) |
|--------------|-------------|---------------------|---|--------|--------|-------------------|
| 1            | Colombia    | Palmira             | CIAT/Manuel J. Rosero-Luis E. Berrío-Jenny S. Gaona | 3-31N  | 76-20W | 1000              |
| 2            | Colombia    | Villavicencio       | ICA-La Libertad/Ernesto Andrade-Alberto Dávalos     | 4-03N  | 73-29W | 336               |
| 3            | México      | Campeche            | Nilchi/N.N.   | -      | -      | -                 |
| 4            | México      | La Esperanza        | Cotaxtla/Eduardo A. Ayón                            | -      | -      | 23                |
| 5            | México      | Zacatepec           | Zacatepec/N.N.                                      | 18-42N | 99-10W | 917               |
| 6            | Guatemala   | Cuyuta              | Cuyuta/W.R. Pazos-O.R. García-R.C. Díaz             | 14-07N | 90-52W | 48                |
| 7            | El Salvador | Santa Cruz Porrillo | Santa Cruz Porrillo/Luis Alberto Guerrero           | 13-26N | 88-06W | 30                |
| 8            | Honduras    | El Progreso         | Guaymas/Rolando Rubí                                | 15-30N | 87-48W | 60                |
| 9            | Costa Rica  | Cañas               | E.J.N./José Murillo                                 | 10-20N | 85-8 W | 12                |
| 10           | Nicaragua   | Ochomoga            | ANAR/-N.N.  | -      | -      | -                 |
| 11           | Panamá      | Tocumen             | CEIAT/Ezequiel Espinosa-Ariel Jaen                  | 9-23N  | 79-23W | 10                |
| 12           | Panamá      | Chepo               | Chichebre F-32/Rolando Lasso                        | 9-08N  | 79-08W | 3                 |
| 13           | Panamá      | Penonome            | El Coco-Penonome/Pedro Him-Luisa Martínez           | 8-28N  | 80-22W | 55                |
| 14           | Venezuela   | Araure              | Araure/Aníbal Rodríguez                             | 9-33N  | 69-12W | 200               |

Cuadro 4.3 Información sobre época de siembra y prácticas de cultivo del Primer Vivero Internacional de Observación de Arroz para Secano no Favorecido en América Latina (VIOAL-SNF, 1982)

| Prueba N° | Fecha de Siembra | Precipitación |      | Fertilización (kg/ha) |    |    | Sistema de cultivo   | Protección contra Insectos | Insectos  | Enfermedades             |
|-----------|------------------|---------------|------|-----------------------|----|----|----------------------|----------------------------|---|--------------------------|
|           |                  | Días          | mm   | N                     | P  | K  |                      |                            |   |                          |
| 1         | Febrero 5/82     | 70            | 626  | 100                   | -  | -  | Riego-transplante    | Necesaria                  | <i>Oebalus poecilus, Hydrellia sp.</i>                                  |                          |
| 2         | Junio/82         |               |      | 150                   | -  | 66 | Secano no favorecido | Ninguna                    |   | Hb,BS,NBL,ShB, LSc,GID   |
| 3         | Julio 12/82      |               | 706  | 46                    | 40 | -  | Secano favorecido    |                            |   | B1,LSc,BS,NB1, NBLs, LSc |
| 4         | Junio 30/82      | 57            | 1098 | 140                   | -  | -  | Secano favorecido    | Necesaria                  |   |                          |
| 5         | Junio 25/82      | 55            | 463  | 100                   | 17 | -  | Secano no favorecido |                            |   |                          |
| 6         | Junio 02/82      | 74            | 1186 | 120                   | 13 | 25 | Secano no favorecido | Necesaria                  | <i>Tibraca limbativentris, Spodoptera frugiperda, Hortensia similis</i> | NB1,BS,LSc,GID           |
| 7         | Julio 02/82      | 62            | 1052 | 109                   | 23 | -  | Secano no favorecido | Necesaria                  |   | NB1                      |
| 8         | Julio 02/82      | 96            | 1252 | 105                   | 22 | 21 | Secano favorecido    | Necesaria                  | <i>Oebalus sp.</i>  | B1                       |
| 9         | Julio/82         | 76            | 851  | 73                    | 9  | 5  | Secano no favorecido | Ninguna                    |   | B1,NB1,BS,LSc, ShR,ShB   |
| 10        |                  |               |      | 13                    | 15 | 11 | Secano               |                            |   |                          |
| 11        | Junio 25/82      | 75            | 827  | 80                    | 17 | 17 | Secano no favorecido | Necesaria                  | Pulgones, chinches  | ShB,LSc,BS,GID           |
| 12        | Junio 8/82       | 90            | 1026 | 99                    | -  | -  | Secano favorecido    | Ninguna                    |   | B1,NB1,ShB,Hb            |
| 13        | Agosto 25/82     |               |      | 69                    | 24 | 23 | Secano no favorecido |                            |   |                          |
| 14        | Abril 26/82      |               |      | 80                    | 26 | -  | Secano favorecido    | Ninguna                    |   | B1,BS,LSc,Hb             |

Cuadro 4.4 Días a floración del germoplasma del Primer Vivero Internacional de Arroz para Secano no Favorecido en América Latina (VIDAL-SNF, 1982), sembrado en 5 localidades de Secano Favorecido.

| Línea no. | Designación                            | Número de la localidad <sup>a</sup> / Floración (días) |     |     |     |    |         |       |
|-----------|--|--|-----|-----|-----|----|---------|-------|
|           |  | 3  | 4   | 8   | 12  | 14 | Min-Max | Prom. |
| 1         | RXOR/LACR//13-D/3/VSTA                 | 70   | 92  | 65  | 70  | 99 | 65- 99  | 79    |
| 2         | BBNT/184675//13-D                      | 70   | 92  | 68  | 74  | 99 | 68- 99  | 81    |
| 3         | IR 9752-1-2-1                          | 74   | 84  | 82  | 100 | 99 | 74-100  | 88    |
| 4         | Dourado Precoce                        | -  | 64  | 63  | 70  | 99 | 64- 99  | 74    |
| 5         | Secano do Brasil                       | 77   | 84  | 84  | 90  | 99 | 77- 99  | 87    |
| 6         | RRTL/3/6001/CENT/RXDL/SADR/4/Dawn/9570 | 75   | 76  | 84  | 88  | 99 | 75- 99  | 84    |
| 7         | BBNT/184675//13-D                      | 66   | 84  | 80  | 86  | 99 | 66- 99  | 83    |
| 8         | Nam Saguí                              | 78   | 92  | 94  | 110 | 99 | 78-110  | 95    |
| 9         | CR 156-5021-207                        | 77   | 89  | 89  | 100 | 99 | 77-100  | 91    |
| 10        | IR 7473-118-2-2-3                      | 76   | 84  | 81  | 94  | 99 | 76- 99  | 87    |
| 11        | CODF/H 4                               | -  | 74  | 84  | 90  | 99 | 74- 99  | 88    |
| 12        | IR 9256-59                             | 82   | 84  | 86  | 100 | 99 | 82-100  | 90    |
| 13        | IAC 1246                               | 92   | 87  | 89  | 97  | 99 | 87- 99  | 93    |
| 14        | IR 6115-1-1-1                          | 92   | 84  | 84  | 100 | 99 | 84-100  | 92    |
| 15        | Seratus Malam                          | 91   | 84  | 86  | 100 | 99 | 84-100  | 92    |
| 16        | IR 13415-9-3                           | 79   | 84  | 87  | 97  | 99 | 79- 99  | 89    |
| 17        | BR 51-282-8                            | 81   | 92  | 93  | 109 | 97 | 81-109  | 94    |
| 18        | IR 5853-118-5                          | 89   | 92  | 90  | 107 | 97 | 89-107  | 95    |
| 19        | ITA 162 (TOX 503-7-116-1)              | 87   | 92  | 80  | 102 | 97 | 80-102  | 92    |
| 20        | Salumpikit (Testigo)                   | 77   | 84  | 87  | 97  | 99 | 77- 99  | 89    |
| 21        | IR 4744-295-2-3                        | 87   | 89  | 85  | 100 | 97 | 85-100  | 92    |
| 22        | B 541 B-PN-58-5-3-1                    | 92   | 84  | 95  | 102 | 97 | 84-102  | 94    |
| 23        | 343 D.T.                               | -  | 84  | 87  | 94  | 97 | 84- 97  | 91    |
| 24        | IR 4535-8-2-1                          | 92   | 93  | 90  | 109 | 99 | 90-109  | 97    |
| 25        | IR 9171-60-2-2                         | 86   | 84  | 84  | 93  | 99 | 84- 99  | 89    |
| 26        | IR 9763-11-2-2                         | 84   | 84  | 87  | 94  | 99 | 84- 99  | 90    |
| 27        | C 171-120                              | 80   | 89  | 86  | 107 | 99 | 80-107  | 92    |
| 28        | B 2360-6-7-1-4                         | -  | 97  | 99  | 127 | 99 | 97-127  | 106   |
| 29        | P 1035-5-6-1-1-1M                      | -  | 92  | 88  | 112 | 99 | 88-112  | 98    |
| 30        | IR 6023-10-1-1                         | 82   | 89  | 89  | 104 | 99 | 82-104  | 93    |
| 31        | BR 10 (BR 51-46-5)                     | -  | 93  | 96  | 120 | 99 | 93-120  | 102   |
| 32        | Kaohsiung Sen Yu 104                   | 82   | 89  | 96  | 107 | 99 | 82-107  | 95    |
| 33        | Cisadane                               | -  | 102 | 108 | 132 | 99 | 99-132  | 110   |
| 34        | IR 841-67-1                            | -  | 84  | 88  | 109 | 99 | 84-109  | 95    |
| 35        | IR 9852-18-1                           | 104  | 93  | 98  | 111 | 99 | 93-111  | 101   |
| 36        | IRAT 127                               | -  | 89  | 95  | 102 | 99 | 89-102  | 96    |
| 37        | Colombia 1                             | -  | 84  | 88  | 102 | 99 | 84-102  | 93    |
| 38        | UPL RI-5 (C 171-136)                   | -  | 84  | 94  | 102 | 99 | 84-102  | 95    |
| 39        | IR 9763-11-2-2                         | 88   | 76  | 86  | 93  | 99 | 76- 99  | 88    |
| 40        | IAC 47 (Testigo)                       | 88   | 74  | 76  | 90  | 99 | 74- 99  | 85    |
| 41        | P 1264-6-11M-1-3M-4                    | 89   | 84  | 88  | 104 | 99 | 84-104  | 93    |
| 42        | IR 4707-255-2-3                        | 92   | 92  | 91  | 111 | 99 | 91-111  | 97    |

Continúa...

Cuadro 4.4 (Continuación)

| Línea<br>no. | Designación            | Número de la localidad <sup>a</sup> / |     |     |     |    | Floración (días) |       |
|--------------|------------------------|---------------------------------------|-----|-----|-----|----|------------------|-------|
|              |                        | 3                                     | 4   | 8   | 12  | 14 | Min-Max          | Prom. |
| 43           | IR 8073-65-6-1         | 90                                    | 84  | 91  | 92  | 99 | 84- 99           | 91    |
| 44           | IR 9846-23-2           | 91                                    | 92  | 96  | 113 | 99 | 91-113           | 98    |
| 45           | IR 9763-11-2-2-3       | 81                                    | 84  | 87  | 100 | 99 | 81-100           | 90    |
| 46           | IR 9852-18-1           | 92                                    | 92  | 98  | 113 | 99 | 92-113           | 99    |
| 47           | IRAT 124               | -                                     | 96  | 98  | 121 | 99 | 96-121           | 104   |
| 48           | P 1274-6-8M-1-3M-1     | -                                     | 84  | 96  | 102 | 99 | 84-102           | 95    |
| 49           | IR 1529-680-3-2        | -                                     | 89  | 96  | 104 | 97 | 89-104           | 97    |
| 50           | IR 8997-4-4-2          | 89                                    | 84  | 98  | 102 | 97 | 84-102           | 94    |
| 51           | L 297-1-3              | 92                                    | 94  | 98  | 117 | 97 | 92-117           | 100   |
| 52           | IR 5105-156-2-3        | 79                                    | 84  | 96  | 90  | 99 | 79- 99           | 90    |
| 53           | IRAT 138               | 92                                    | 93  | 98  | 117 | 99 | 92-117           | 100   |
| 54           | IRAT 122               | 82                                    | 93  | 88  | 102 | 99 | 82-102           | 93    |
| 55           | CR 201                 | 90                                    | 92  | 91  | 109 | 99 | 90-109           | 96    |
| 56           | IR 14632-22-3          | -                                     | 96  | 94  | 121 | 99 | 94-121           | 103   |
| 57           | UPL RI-3 (C 424-2)     | 81                                    | 89  | 89  | 103 | 99 | 81-103           | 92    |
| 58           | P 2030 F4-235-1B-1B    | 92                                    | 102 | 98  | 113 | 98 | 92-113           | 101   |
| 59           | P 1288-1-4M-2-1B       | 80                                    | 94  | 94  | 103 | 97 | 80-103           | 94    |
| 60           | Monolaya (Testigo)     | 79                                    | 84  | 84  | 92  | 96 | 79- 96           | 87    |
| 61           | IR 5853-115-3-1        | 92                                    | 93  | 96  | 107 | 97 | 92-107           | 97    |
| 62           | PAU 50-B-25-1          | -                                     | 92  | 96  | 107 | 96 | 92-107           | 98    |
| 63           | Chianung SI-PI 661020  | 92                                    | 92  | 89  | 104 | 95 | 89-104           | 94    |
| 64           | 30-TV                  | 91                                    | 92  | 90  | 102 | 98 | 90-102           | 95    |
| 65           | IR 9204-109            | -                                     | 107 | 98  | 133 | 96 | 96-133           | 109   |
| 66           | IR 2058-435-3-2-2-2    | 100                                   | 107 | 102 | 128 | 96 | 96-128           | 107   |
| 67           | SI-2                   | 102                                   | 92  | 96  | 113 | 96 | 92-113           | 100   |
| 68           | IR 9217-58-2-2         | 92                                    | 102 | 97  | 119 | 95 | 92-119           | 101   |
| 69           | IET 4082 (CR 138-1040) | 92                                    | 93  | 95  | 110 | 96 | 92-110           | 97    |
| 70           | IR 14632-2-3           | 92                                    | 93  | 100 | 104 | 96 | 92-104           | 97    |
| 71           | P 2034 F4-46-1B-1B     | 92                                    | 93  | 98  | 102 | 95 | 92-102           | 96    |
| 72           | PR 106                 | 92                                    | 96  | 98  | 104 | 96 | 92-104           | 97    |
| 73           | IR 3464-217-1-3        | 105                                   | 107 | 102 | 121 | 95 | 95-121           | 106   |
| 74           | 7 Canuto               | 98                                    | 102 | 100 | 123 | 96 | 96-123           | 104   |
| 75           | P 1386-2-6M-5-1B       | 89                                    | 93  | 95  | 104 | 95 | 89-104           | 95    |
| 76           | IR 14632-212-2         | 92                                    | 95  | 102 | 128 | 95 | 92-128           | 102   |
| 77           | UP'76#14               | 92                                    | 102 | 104 | 125 | 95 | 92-125           | 104   |
| 78           | B 2277 C-MR-99-2       | 102                                   | 102 | 103 | 128 | 96 | 96-128           | 106   |
| 79           | IR 8192-166-2-2-3      | 93                                    | 102 | 102 | 123 | 95 | 93-123           | 103   |
| 80           | Sein Tan Lay (Testigo) | 93                                    | 102 | 102 | 123 | 95 | 93-123           | 103   |
| 81           | P 1332-3-8M-1-1B       | 92                                    | 97  | 102 | 121 | 98 | 92-121           | 102   |
| 82           | IR 2588-2-3-3-1        | 90                                    | 89  | 94  | 100 | 98 | 90-100           | 94    |
| 83           | IR 14753-120-3         | -                                     | 96  | 96  | 113 | 96 | 96-113           | 100   |
| 84           | IRAT 129               | 92                                    | 96  | 94  | 141 | 96 | 92-141           | 104   |
| 85           | IR 13358-16-3-2        | 95                                    | 102 | 101 | 123 | 96 | 95-123           | 103   |
| 86           | IR 4570-83-3-3-2       | 105                                   | 102 | 104 | 128 | 95 | 95-128           | 107   |
| 87           | CR 1024                | 105                                   | 107 | 104 | 125 | 90 | 90-125           | 106   |
| 88           | IR 8098-41-3           | 97                                    | 93  | 96  | 107 | 96 | 93-107           | 98    |
| 89           | IR 4595-4-1-15         | 104                                   | 102 | 102 | 118 | 95 | 95-118           | 104   |
| 90           | P 2023 F4-65-1B-1B     | 107                                   | 102 | 103 | 111 | 95 | 95-111           | 104   |

Continúa...



Cuadro 4.4 (Continuación)

| Línea<br>no. | Designación         | Número de la localidad <sup>a</sup> / Floración (días) |     |     |     |    |         |       |
|--------------|---------------------|--|-----|-----|-----|----|---------|-------|
|              |                     | 3  | 4   | 8   | 12  | 14 | Min-Max | Prom. |
| 91           | P 2030 F4-67-1B-1B  | 109  | 107 | 103 | 125 | 96 | 96-125  | 108   |
| 92           | IR 13149-71-3-2     | 107  | 102 | 101 | 131 | 96 | 96-131  | 107   |
| 93           | P 1329-2-10M-3-1B   | -  | 107 | 103 | 128 | 95 | 95-128  | 108   |
| 94           | IR 5793-55-1-1-1    | 107  | 107 | 102 | 128 | 95 | 95-128  | 108   |
| 95           | P 2030 F4-231-1B-1B | 107  | 107 | 101 | 130 | 96 | 96-130  | 108   |
| 96           | Testigo local       | 97   | 92  | 103 | -   | 90 |         |       |

a. Ver nombre de la localidad en el Cuadro 4.2

Cuadro 4.5 Rendimiento (ton/ha) del germoplasma del Primer Vivero Internacional de Arroz para Secano no Favorecido en América Latina (VIOAL-SNF,1982) sembrado en 5 localidades en condiciones de Secano Favorecido.

| Línea no. | Designación                                 | No. de localidad <sup>a</sup> / Rendimiento (ton/ha) |     |     |     |                 |         |       |
|-----------|---|--|-----|-----|-----|-----------------|---------|-------|
|           |   | 3  | 4   | 8   | 12  | 14 <sup>c</sup> | Min-Max | Prom. |
| 1         | RXOR/LACR//13-D/3/VSTA                      | 6.0  | 5.9 | 2.0 | 1.1 | -               | 1.1-6.0 | 3.75  |
| 2         | BBNT/184675//13-D                           | 4.4  | 4.6 | 3.0 | 0.6 | -               | 0.6-4.6 | 3.15  |
| 3         | IR 9752-1-2-1                               | 5.1  | 5.7 | 4.6 | 2.9 | -               | 2.9-5.7 | 4.58  |
| 4         | Dourado Precoce                             | -  | 3.2 | 2.7 | 0.8 | -               | 0.8-3.2 | 2.23  |
| 5         | Secano do Brasil                            | 5.5  | 1.1 | 3.2 | 0.7 | -               | 0.7-5.5 | 2.63  |
| 6         | RRTL/3/6001/CENT//RXDL/<br>SADR/4/Dawn/9570 | 2.9  | 1.9 | 2.5 | 0.2 | -               | 0.2-2.9 | 1.88  |
| 7         | BBNT/184675//13-D                           | 2.5  | 3.1 | 3.6 | 0.2 | -               | 0.2-3.6 | 2.35  |
| 8         | Nam Sagui                                   | 7.0  | 1.9 | 3.7 | 2.3 | 2.1             | 1.9-7.0 | 3.73  |
| 9         | CR 156-5021-207                             | 3.1  | 5.4 | 4.7 | 2.5 | -               | 2.5-5.4 | 3.93  |
| 10        | IR 7473-118-2-2-3                           | 5.2  | 4.2 | 4.9 | 2.4 | -               | 2.4-5.2 | 4.18  |
| 11        | CODF/H 4                                    | -  | 2.0 | 4.2 | 0.9 | -               | 0.9-4.2 | 2.37  |
| 12        | IR 9256-59                                  | 2.7  | 4.8 | 3.7 | 2.0 | -               | 2.0-4.8 | 3.30  |
| 13        | IAC 1246                                    | 5.7  | 4.5 | 3.7 | 2.5 | -               | 2.5-5.7 | 4.10  |
| 14        | IR 6115-1-1-1                               | 3.8  | 4.3 | 4.0 | 4.4 | -               | 3.8-4.4 | 4.13  |
| 15        | Seratus Malam                               | 3.8  | 4.7 | 3.4 | 4.3 | -               | 3.4-4.7 | 4.05  |
| 16        | IR 13415-9-3                                | 4.5  | 5.6 | 3.6 | 3.1 | -               | 3.1-5.6 | 4.20  |
| 17        | BR 51-282-8                                 | 5.7  | 4.2 | 4.0 | 3.1 | 4.4             | 3.1-5.7 | 4.25  |
| 18        | IR 5853-118-5                               | 5.1  | 5.4 | 4.1 | 4.2 | 5.2             | 4.1-5.4 | 4.70  |
| 19        | ITA 162 (TOX 503-7-116-1)                   | 5.7  | 5.5 | 3.9 | 3.8 | 3.9             | 3.8-5.7 | 4.73  |
| 20        | Salumpikit (Testigo)                        | 5.2  | 2.3 | 3.6 | 3.8 | -               | 2.3-5.2 | 3.73  |
| 21        | IR 4744-295-2-3                             | 4.7  | 3.3 | 3.9 | 4.4 | 2.4             | 3.3-4.7 | 4.08  |
| 22        | B 541 B-PN-58-5-3-1                         | 4.6  | 3.3 | 4.4 | 5.5 | 2.3             | 3.3-4.6 | 4.45  |
| 23        | 343 D.T.                                    | -  | 6.8 | 4.1 | 4.4 | -               | 4.1-6.8 | 5.10  |
| 24        | IR 4535-8-2-1                               | 4.1  | -   | 3.7 | 3.0 | -               | 3.0-4.1 | 3.60  |
| 25        | IR 9171-60-2-2                              | 3.6  | 4.7 | 3.4 | 2.3 | -               | 2.3-4.7 | 3.50  |
| 26        | IR 9763-11-2-2                              | 4.7  | 3.6 | 4.4 | 3.1 | -               | 3.1-4.7 | 3.95  |
| 27        | C 171-120                                   | 3.6  | 3.2 | 5.2 | 4.2 | 2.2             | 3.2-5.2 | 4.05  |
| 28        | B 2360-6-7-1-4                              | -  | -   | 3.5 | 2.0 | -               | 2.0-3.5 | 2.75  |
| 29        | P 1035-5-6-1-1-1M                           | -  | -   | 4.6 | 2.5 | 3.2             | 2.5-4.6 | 3.55  |
| 30        | IR 6023-10-1-1                              | 4.7  | 5.0 | 4.9 | 3.8 | -               | 3.8-5.0 | 4.60  |
| 31        | BR 10 (BR 51-46-5)                          | -  | -   | 4.7 | 3.0 | -               | 3.0-4.7 | 3.85  |
| 32        | Kaohsiung Sen Yu 104                        | 1.2  | -   | 3.9 | 3.1 | -               | 1.2-3.9 | 2.73  |
| 33        | Cisadane                                    | -  | -   | 3.1 | 3.1 | -               | 3.1-3.1 | 3.10  |
| 34        | IR 841-67-1                                 | -  | 4.1 | 4.4 | 1.9 | -               | 1.9-4.4 | 3.47  |
| 35        | IR 9852-18-1                                | 3.7  | -   | 4.1 | 3.3 | 3.6             | 3.3-4.1 | 3.70  |
| 36        | IRAT 127                                    | -  | -   | 4.5 | 4.2 | 3.4             | 3.4-4.5 | 4.35  |
| 37        | Colombia 1                                  | -  | 4.1 | 2.8 | 1.9 | -               | 1.9-4.1 | 2.93  |
| 38        | UPL RI-5 (C 171-136)                        | -  | 5.0 | 4.0 | 3.6 | -               | 3.6-5.0 | 4.20  |
| 39        | IR 9763-11-2-2                              | 3.8  | 5.1 | 4.9 | 3.0 | -               | 3.0-5.1 | 4.20  |
| 40        | IAC 47 (Testigo)                            | 3.4  | 5.0 | 3.5 | 1.6 | -               | 1.6-5.0 | 3.38  |
| 41        | P 1264-6-11M-1-3M-4                         | 4.7  | 5.9 | 4.9 | 4.4 | -               | 4.4-5.9 | 4.98  |
| 42        | IR 4707-255-2-3                             | 4.6  | -   | 4.3 | 3.3 | -               | 3.3-4.6 | 4.07  |
| 43        | IR 8073-65-6-1                              | 4.7  | 3.9 | 3.7 | 3.3 | -               | 3.3-4.7 | 3.90  |
| 44        | IR 9846-23-2                                | 6.6  | -   | 4.0 | 4.2 | -               | 4.0-6.6 | 4.93  |
| 45        | IR 9763-11-2-2-3                            | 5.2  | 5.0 | 5.1 | 3.6 | -               | 3.6-5.2 | 4.73  |

Continúa...

Cuadro 4.5 (Continuación)

| Línea<br>no. | Designación            | No. de localidad <sup>a</sup> / Rendimiento (ton/ha) |     |     |     |                 |         |       |
|--------------|------------------------|--|-----|-----|-----|-----------------|---------|-------|
|              |                        | 3  | 4   | 8   | 12  | 14 <sup>C</sup> | Min-Max | Prom. |
| 46           | IR 9852-18-1           | 4.4  | -   | 4.4 | 3.8 | -               | 3.8-4.4 | 4.20  |
| 47           | IRAT 124               | -  | 3.1 | 4.3 | 1.7 | -               | 1.7-4.3 | 3.03  |
| 48           | P 1274-6-8M-1-3M-1     | -  | 6.7 | 4.5 | 2.5 | 2.9             | 2.5-6.7 | 4.57  |
| 49           | IR 1529-680-3-2        | -  | 3.6 | 3.9 | 2.7 | 5.5             | 2.7-3.9 | 3.40  |
| 50           | IR 8997-4-4-2          | 4.5  | 5.2 | 3.6 | 1.9 | 4.4             | 1.9-5.2 | 3.80  |
| 51           | L 297-1-3              | 2.4  | 6.1 | 4.4 | 0.9 | -               | 0.9-6.1 | 3.45  |
| 52           | IR 5105-156-2-3        | 3.4  | 6.6 | 5.2 | 3.7 | -               | 3.4-6.6 | 4.73  |
| 53           | IRAT 138               | 3.3  | -   | 4.9 | 3.4 | 4.6             | 3.3-4.9 | 3.87  |
| 54           | IRAT 122               | 5.2  | -   | 4.4 | 2.1 | -               | 2.1-5.2 | 3.90  |
| 55           | CR 201                 | 4.9  | 6.3 | 3.7 | 2.7 | 3.6             | 2.7-6.3 | 4.40  |
| 56           | IR 14632-22-3          | -  | -   | 5.6 | 3.6 | -               | 3.6-5.6 | 4.60  |
| 57           | UPL RI-3 (C 424-2)     | 6.0  | 4.5 | 4.0 | 4.2 | -               | 4.0-6.0 | 4.68  |
| 58           | P 2030 F4-235-1B-1B    | 5.4  | -   | 5.0 | 3.9 | 2.8             | 3.9-5.4 | 4.77  |
| 59           | P 1288-1-4M-2-1B       | 2.9  | -   | 4.4 | 3.8 | 4.5             | 2.9-4.4 | 3.70  |
| 60           | Monolaya (Testigo)     | 3.6  | 4.6 | 2.7 | 1.7 | -               | 1.7-4.6 | 3.15  |
| 61           | IR 5853-115-3-1        | 4.9  | -   | 0.5 | 3.4 | 5.6             | 0.5-4.9 | 2.93  |
| 62           | PAU 50-B-25-1          | -  | -   | 5.9 | 3.3 | 4.8             | 3.3-5.9 | 4.60  |
| 63           | Chianung SI-PI 661020  | 5.5  | 5.3 | 3.5 | 2.3 | -               | 2.3-5.5 | 4.15  |
| 64           | 30-TV                  | 5.0  | 5.8 | 6.1 | 3.0 | -               | 3.0-6.1 | 4.98  |
| 65           | IR 9204-109            | -  | 1.2 | 3.7 | 3.1 | -               | 1.2-3.7 | 2.67  |
| 66           | IR 2058-435-3-2-2-2    | 4.1  | 3.5 | 4.9 | 3.6 | -               | 3.5-4.9 | 4.03  |
| 67           | SI-2                   | 5.4  | 4.4 | 4.1 | 1.9 | 3.7             | 1.9-5.4 | 3.95  |
| 68           | IR 9217-58-2-2         | 6.6  | 5.8 | 5.6 | 3.1 | -               | 3.1-6.6 | 5.28  |
| 69           | IET 4082 (CR 138-1040) | 5.4  | 4.0 | 4.1 | 2.2 | -               | 2.2-5.4 | 3.93  |
| 70           | IR 14632-2-3           | 5.0  | 4.8 | 6.8 | 4.4 | -               | 4.4-6.8 | 5.25  |
| 71           | P 2034 F4-46-1B-1B     | 5.2  | 6.0 | 5.8 | 4.1 | 3.8             | 4.1-6.0 | 5.28  |
| 72           | PR 106                 | 3.1  | 4.0 | 5.2 | 3.8 | 2.3             | 3.1-5.2 | 4.03  |
| 73           | IR 3464-217-1-3        | 2.7  | 0.8 | 4.5 | 3.3 | -               | 0.8-4.5 | 2.83  |
| 74           | 7 Canuto               | 3.7  | 2.6 | 4.4 | 2.8 | -               | 2.6-4.4 | 3.38  |
| 75           | P 1386-2-6M-5-1B       | 5.1  | 4.9 | 5.6 | 4.6 | 3.1             | 4.6-5.6 | 5.05  |
| 76           | IR 14632-212-2         | 6.9  | 5.6 | 6.0 | 4.2 | -               | 4.2-6.9 | 5.68  |
| 77           | UP'76#14               | 6.9  | 5.6 | 4.9 | 3.6 | -               | 3.6-6.9 | 5.25  |
| 78           | B 2277 C-MR-99-2       | 6.4  | 3.8 | 5.3 | 4.2 | -               | 3.8-6.4 | 4.93  |
| 79           | IR 8192-166-2-2-3      | 5.8  | 4.9 | 5.2 | 2.8 | -               | 2.8-5.8 | 4.68  |
| 80           | Sein Tan Lay (Testigo) | 5.9  | 1.4 | 5.3 | 3.3 | -               | 1.4-5.9 | 3.98  |
| 81           | P 1332-3-8M-1-1-B      | 6.6  | 7.5 | 5.7 | 4.5 | -               | 4.5-7.5 | 6.08  |
| 82           | IR 2588-2-3-3-1        | 4.9  | 6.4 | 4.6 | 3.9 | -               | 3.9-6.4 | 4.95  |
| 83           | IR 14753-120-3         | -  | 7.1 | 6.1 | 1.7 | 1.5             | 1.7-7.1 | 4.97  |
| 84           | IRAT 129               | 4.1  | 6.5 | 3.4 | 1.9 | -               | 1.9-6.5 | 3.98  |
| 85           | IR 13358-16-3-2        | 6.7  | 6.9 | 6.0 | 4.8 | -               | 4.8-6.9 | 6.10  |
| 86           | IR 4570-83-3-3-2       | 7.2  | 7.5 | 5.4 | 4.2 | -               | 4.2-7.5 | 6.08  |
| 87           | CR 1024                | 5.5  | 5.1 | 5.7 | 1.9 | -               | 1.9-5.7 | 4.55  |
| 88           | IR 8098-41-3           | 6.1  | 5.2 | 5.8 | 4.2 | 2.4             | 4.2-6.1 | 5.33  |
| 89           | IR 4595-4-1-15         | 3.1  | 4.8 | 6.0 | 3.9 | -               | 3.1-6.0 | 4.45  |
| 90           | P 2023 F4-65-1B-1B     | 5.2  | 4.1 | 5.9 | 4.1 | -               | 4.1-5.9 | 4.83  |

Continúa...

Cuadro 4.5 (Continuación)

| Línea<br>no. | Designación         | No. de localidades <sup>a</sup> / Rendimiento (ton/ha) |     |     |     |                 |         |       |
|--------------|---------------------|--|-----|-----|-----|-----------------|---------|-------|
|              |                     | 3  | 4   | 8   | 12  | 14 <sup>C</sup> | Min-Max | Prom. |
| 91           | P 2030 F4-67-1B-1B  | 4.1  | 4.1 | 4.5 | 3.9 | -               | 3.9-4.5 | 4.15  |
| 92           | IR 13149-71-3-2     | 6.5  | 3.5 | 5.4 | 3.1 | 5.9             | 3.1-6.5 | 4.63  |
| 93           | P 1329-2-10M-3-1B   | -  | 3.1 | 5.4 | 1.9 | -               | 1.9-5.4 | 3.47  |
| 94           | IR 5793-55-1-1-1    | 7.2  | 3.3 | 5.0 | 3.6 | -               | 3.3-7.2 | 4.78  |
| 95           | P 2030 F4-231-1B-1B | 6.7  | 1.0 | 3.4 | 3.4 | -               | 1.0-6.7 | 3.63  |

a. Ver nombre de la localidad en el Cuadro 4.2

Cuadro 4.6 Resumen de las principales características del germoplasma del VIOAL-SNF, 1982, sembrado en las localidades de secano favorecido.

| Línea no. | Designación                             | Floración (días) |         |       | Piricularia <sup>a</sup> |    |    | Altura (cm)   |         |       | Vuelco <sup>a</sup> |   | Rendimiento (ton/ha) |         |       |
|-----------|---|------------------|---------|-------|--------------------------|----|----|---------------|---------|-------|---------------------|---|----------------------|---------|-------|
|           |   | No.de Pruebas    | Min-Max | Prom. | NB1                      |    |    | No.de Pruebas | Min-Max | Prom. | 3                   | 4 | No.de Pruebas        | Min-Max | Prom. |
|           |   |                  |         |       | 8                        | 14 | 12 |               |         |       |                     |   |                      |         |       |
| 1         | RXOR/LACR//13-D/3/VSTA                  | 5                | 65-99   | 79    | 3                        | 1  | 3  | 5             | 73-105  | 91    | 0                   | 1 | 4                    | 1.1-6.0 | 3.75  |
| 2         | BBNT/184675//13-D                       | 5                | 68-99   | 81    | 3                        | 1  | 7  | 5             | 62-115  | 89    | 0                   | 1 | 4                    | 0.6-4.6 | 3.15  |
| 3         | IR 9752-1-2-1                           | 5                | 74-100  | 88    | 3                        | 1  | -  | 5             | 66-90   | 77    | 0                   | 7 | 4                    | 2.9-5.7 | 4.58  |
| 4         | Dourado Precoce                         | 4                | 64-99   | 74    | 3                        | 1  | 3  | 4             | 73-150  | 109   | -                   | 9 | 3                    | 0.8-3.2 | 2.23  |
| 5         | Secano do Brasil                        | 5                | 77-99   | 87    | 3                        | 2  | 1  | 5             | 73-160  | 120   | 7                   | 9 | 4                    | 0.7-5.5 | 2.63  |
| 6         | RRTL/3/6001/CENT//RXDL/SADR/4/Dawn/9570 | 5                | 75-99   | 84    | 5                        | 2  | 5  | 5             | 73-135  | 101   | 0                   | 1 | 4                    | 0.2-2.9 | 1.88  |
| 7         | BBNT/184675//13-D                       | 5                | 66-99   | 83    | 3                        | 2  | 5  | 5             | 60-135  | 94    | 1                   | 1 | 4                    | 0.2-3.6 | 2.35  |
| 8         | Nam Segui                               | 5                | 78-110  | 95    | 1                        | 1  | 1  | 5             | 73-160  | 117   | 9                   | 9 | 4                    | 1.9-7.0 | 3.73  |
| 9         | CR 156-5021-207                         | 5                | 77-100  | 91    | 3                        | 1  | 2  | 5             | 61-105  | 83    | 0                   | 1 | 4                    | 2.5-5.4 | 3.93  |
| 10        | IR 7473-118-2-2-3                       | 5                | 76-99   | 87    | 5                        | 1  | -  | 5             | 68-125  | 89    | 0                   | 1 | 4                    | 2.4-5.2 | 4.18  |
| 11        | CODF/H 4                                | 4                | 74-99   | 88    | 7                        | 1  | 2  | 4             | 65-110  | 85    | -                   | 1 | 3                    | 0.9-4.2 | 2.37  |
| 12        | IR 9256-59                              | 5                | 82-100  | 90    | 3                        | 1  | -  | 5             | 73-100  | 82    | 1                   | 9 | 4                    | 2.0-4.8 | 3.30  |
| 13        | IAC 1246                                | 5                | 87-99   | 93    | 5                        | 2  | 6  | 5             | 73-150  | 111   | 5                   | 9 | 4                    | 2.5-5.7 | 4.10  |
| 14        | IR 6115-1-1-1                           | 5                | 84-100  | 92    | 3                        | 1  | -  | 5             | 60-100  | 72    | 0                   | 9 | 4                    | 3.8-4.4 | 4.13  |
| 15        | Seratus Malam                           | 5                | 84-100  | 92    | 3                        | 1  | -  | 5             | 57-100  | 71    | 0                   | 7 | 4                    | 3.4-4.7 | 4.05  |
| 16        | IR 13415-9-3                            | 5                | 79-99   | 89    | 5                        | 1  | -  | 5             | 61-100  | 76    | 0                   | 9 | 4                    | 3.1-5.6 | 4.20  |
| 17        | BR 51-282-8                             | 5                | 81-109  | 94    | 3                        | 7  | 7  | 5             | 86-125  | 100   | 3                   | 9 | 4                    | 3.1-5.7 | 4.25  |
| 18        | IR 5853-118-5                           | 5                | 89-107  | 95    | 3                        | 1  | -  | 5             | 76-120  | 91    | 0                   | 1 | 4                    | 4.1-5.4 | 4.70  |
| 19        | ITA 162 (TOX 503-7-116-1)               | 5                | 80-102  | 92    | 5                        | 1  | 1  | 5             | 74-115  | 86    | 0                   | 1 | 4                    | 3.8-5.7 | 4.73  |
| 20        | Salumpikit (testigo)                    | 5                | 77-99   | 89    | 3                        | 1  | -  | 5             | 82-155  | 122   | 7                   | 9 | 4                    | 2.3-5.2 | 3.73  |
| 21        | IR 4744-295-2-3                         | 5                | 85-100  | 92    | 3                        | 1  | 1  | 5             | 81-110  | 92    | 0                   | 9 | 4                    | 3.3-4.7 | 4.08  |
| 22        | B 541 B-PN-58-5-3-1                     | 5                | 84-102  | 94    | 5                        | 1  | 1  | 5             | 74-113  | 97    | 0                   | 7 | 4                    | 3.3-4.6 | 4.45  |
| 23        | 343 D.T.                                | 4                | 84-97   | 91    | 3                        | 1  | 1  | 4             | 88-120  | 99    | -                   | 9 | 3                    | 4.1-6.8 | 5.10  |
| 24        | IR 4535-8-2-1                           | 5                | 90-109  | 97    | 5                        | 1  | 1  | 5             | 56-105  | 78    | 0                   | 1 | 3                    | 3.0-4.1 | 3.60  |
| 25        | IR 9171-60-2-2                          | 5                | 84-99   | 89    | 7                        | 2  | -  | 5             | 69-115  | 82    | 0                   | 7 | 4                    | 2.5-4.7 | 3.50  |
| 26        | IR 9763-11-2-2                          | 5                | 84-99   | 90    | 3                        | 2  | -  | 5             | 72-120  | 84    | 0                   | 9 | 4                    | 3.1-4.7 | 3.95  |
| 27        | C 171-120                               | 5                | 80-120  | 92    | 3                        | 1  | 1  | 5             | 81-135  | 102   | 5                   | 9 | 4                    | 3.2-5.2 | 4.05  |
| 28        | B 2360-6-7-1-4                          | 4                | 97-127  | 106   | 5                        | 1  | 1  | 4             | 85-130  | 104   | -                   | 1 | 2                    | 2.0-3.5 | 2.95  |
| 29        | P 1035-5-6-1-1-1M                       | 4                | 88-112  | 98    | 3                        | 1  | -  | 4             | 84-120  | 95    | -                   | 1 | 2                    | 2.5-4.6 | 3.55  |
| 30        | IR 6023-10-1-1                          | 5                | 82-104  | 93    | 3                        | 1  | 7  | 5             | 93-150  | 113   | 7                   | 9 | 4                    | 3.8-5.0 | 4.60  |
| 31        | BR 10 (BR 51-46-5)                      | 4                | 93-120  | 102   | 5                        | 1  | 1  | 4             | 85-120  | 100   | -                   | 1 | 2                    | 3.0-4.7 | 3.85  |
| 32        | Kaohsiung Sen Yu 104                    | 5                | 82-107  | 95    | 5                        | 1  | -  | 5             | 71-115  | 85    | 0                   | 1 | 3                    | 1.2-3.9 | 2.73  |
| 33        | Cisadane                                | 4                | 99-132  | 110   | 3                        | 1  | 3  | 4             | 75-130  | 99    | -                   | 1 | 2                    | 3.1-3.1 | 3.10  |
| 34        | IR 841-67-1                             | 4                | 84-109  | 95    | 5                        | 2  | 1  | 4             | 74-95   | 80    | -                   | 1 | 3                    | 1.9-4.4 | 3.47  |
| 35        | IR 9852-18-1                            | 5                | 93-111  | 101   | 3                        | 2  | -  | 5             | 64-120  | 89    | 0                   | 1 | 3                    | 3.5-4.1 | 3.70  |
| 36        | IRAT 127                                | 4                | 89-102  | 96    | 5                        | 2  | -  | 4             | 70-105  | 83    | -                   | 1 | 2                    | 4.2-4.5 | 4.35  |
| 37        | Colombia 1                              | 4                | 84-102  | 93    | 5                        | 1  | -  | 4             | 104-130 | 115   | -                   | 7 | 3                    | 1.9-4.1 | 2.93  |
| 38        | UPL RI-5 (C 171-136)                    | 4                | 84-102  | 95    | 3                        | 2  | 7  | 4             | 87-130  | 110   | -                   | 9 | 3                    | 3.6-5.0 | 4.20  |
| 39        | IR 9763-11-2-2                          | 5                | 76-99   | 88    | 3                        | 1  | 8  | 5             | 69-120  | 86    | 0                   | 9 | 4                    | 3.0-5.1 | 4.20  |
| 40        | IAC 47 (Testigo)                        | 5                | 74-99   | 85    | 3                        | 1  | 3  | 5             | 90-165  | 127   | 9                   | 9 | 4                    | 1.6-5.0 | 3.38  |
| 41        | P 1264-6-11M-1-3M-4                     | 5                | 84-104  | 93    | 3                        | 2  | -  | 5             | 69-120  | 85    | 0                   | 1 | 4                    | 4.4-5.9 | 4.98  |
| 42        | IR 4707-255-2-3                         | 5                | 91-111  | 97    | 3                        | 2  | 1  | 5             | 64-115  | 82    | 0                   | 1 | 3                    | 3.3-4.6 | 4.07  |
| 43        | IR 8073-55-6-1                          | 5                | 84-99   | 91    | 3                        | 2  | 1  | 5             | 71-110  | 83    | 0                   | 7 | 4                    | 3.3-4.7 | 3.90  |
| 44        | IR 9846-23-2                            | 5                | 91-113  | 98    | 3                        | 2  | -  | 5             | 74-95   | 82    | 0                   | 1 | 3                    | 4.0-6.6 | 4.93  |
| 45        | IR 9763-11-2-2-3                        | 5                | 81-100  | 90    | 5                        | 2  | -  | 5             | 72-110  | 90    | 1                   | 9 | 4                    | 3.6-5.2 | 4.73  |
| 46        | IR 9852-18-1                            | 5                | 92-113  | 99    | 5                        | 2  | -  | 5             | 75-105  | 91    | 0                   | 1 | 3                    | 3.8-4.4 | 4.20  |
| 47        | IRAT 124                                | 4                | 96-121  | 104   | 5                        | 2  | -  | 4             | 75-140  | 107   | -                   | 9 | 3                    | 1.7-4.3 | 3.03  |
| 48        | P 1274-6-BM-1-3M-1                      | 4                | 84-102  | 95    | 3                        | 2  | 1  | 4             | 76-110  | 91    | -                   | 1 | 3                    | 2.5-6.7 | 4.57  |
| 49        | IR 1529-680-3-2                         | 4                | 89-104  | 97    | 3                        | 1  | -  | 4             | 74-95   | 85    | -                   | 1 | 3                    | 2.7-3.9 | 3.40  |
| 50        | IR 8997-4-4-2                           | 5                | 84-102  | 94    | 5                        | 1  | -  | 5             | 85-128  | 110   | 9                   | 9 | 4                    | 1.9-5.2 | 3.80  |

Continúa...

Cuadro 4.6 (Continuación)

| Línea no. | Designación            | Floración (días) |         |       | Particularia <sup>a</sup> |    |    | Altura (cm)   |         |       | Vuelco <sup>a</sup> |   | Rendimiento (ton/ha) |         |       |
|-----------|------------------------|------------------|---------|-------|---------------------------|----|----|---------------|---------|-------|---------------------|---|----------------------|---------|-------|
|           |                        | No.de Pruebas    | Min-Max | Prom. |                           |    |    | No.de Pruebas | Min-Max | Prom. | 3                   | 4 | No.de Pruebas        | Min-Max | Prom. |
|           |                        |                  |         |       | B1                        | B2 | B3 |               |         |       |                     |   |                      |         |       |
| 51        | L 297-1-3              | 5                | 92-117  | 100   | 3                         | 2  | -  | 5             | 85-155  | 115   | 9                   | 9 | 4                    | 1.9-6.1 | 3.45  |
| 52        | IR 5105-156-2-3        | 5                | 79- 99  | 90    | 5                         | 2  | -  | 5             | 56-110  | 84    | 0                   | 1 | 4                    | 3.4-6.6 | 4.73  |
| 53        | IRAT 138               | 5                | 92-117  | 100   | 3                         | 2  | -  | 5             | 94-130  | 108   | 3                   | 9 | 3                    | 3.3-4.9 | 3.87  |
| 54        | IRAT 122               | 5                | 82-102  | 93    | 7                         | 2  | -  | 5             | 91-130  | 110   | 1                   | 1 | 3                    | 2.1-5.2 | 3.90  |
| 55        | CR 201                 | 5                | 90-109  | 96    | 7                         | 2  | -  | 5             | 80-105  | 92    | 0                   | 1 | 4                    | 2.7-6.3 | 4.40  |
| 56        | IR 14632-22-3          | 4                | 94-121  | 103   | 5                         | 2  | -  | 4             | 81-115  | 100   | -                   | 1 | 2                    | 3.6-5.6 | 4.60  |
| 57        | UPL RI-3 (C424-2)      | 5                | 81-103  | 92    | 3                         | 3  | 3  | 5             | 85-130  | 110   | 3                   | 9 | 4                    | 4.0-6.0 | 4.68  |
| 58        | P 2030 F4-235-18-1B    | 5                | 92-113  | 101   | 5                         | 2  | 1  | 5             | 81-115  | 95    | 0                   | 1 | 3                    | 3.9-5.4 | 4.77  |
| 59        | P 1288-1-4M-2-18       | 5                | 80-103  | 94    | 5                         | 2  | -  | 5             | 82-120  | 97    | 3                   | 1 | 3                    | 2.9-4.4 | 3.70  |
| 60        | Monolaya (testigo)     | 5                | 79- 96  | 87    | 3                         | 1  | -  | 5             | 85-185  | 132   | 9                   | 9 | 4                    | 1.7-4.6 | 3.15  |
| 61        | IR 5853-115-3-1        | 5                | 92-107  | 97    | 9                         | 2  | -  | 5             | 77-105  | 89    | 0                   | 5 | 3                    | 0.5-4.9 | 2.93  |
| 62        | PAU 50-8-25-1          | 4                | 92-107  | 98    | 3                         | 4  | 5  | 4             | 74-100  | 89    | -                   | 1 | 2                    | 3.3-5.9 | 4.60  |
| 63        | Chianung SI-PI 661020  | 5                | 89-104  | 94    | 5                         | 3  | 2  | 5             | 90-125  | 102   | 0                   | 9 | 4                    | 2.3-5.5 | 4.15  |
| 64        | 30-TV                  | 5                | 90-102  | 95    | 5                         | 2  | 1  | 5             | 85-135  | 110   | 5                   | 7 | 4                    | 3.0-6.1 | 4.98  |
| 65        | IR 9204-109            | 4                | 96-133  | 109   | 7                         | 2  | 1  | 4             | 85-125  | 105   | -                   | 1 | 3                    | 1.2-3.7 | 2.67  |
| 66        | IR 2058-435-3-2-2-2    | 5                | 96-128  | 107   | 5                         | 2  | -  | 5             | 79-120  | 93    | 0                   | 1 | 4                    | 3.5-4.9 | 4.03  |
| 67        | SI-2                   | 5                | 92-113  | 100   | 3                         | 2  | 5  | 5             | 85-130  | 107   | 1                   | 1 | 4                    | 1.9-5.4 | 3.95  |
| 68        | IR 9217-58-2-2         | 5                | 92-119  | 101   | 5                         | 2  | 1  | 5             | 80-120  | 95    | 0                   | 1 | 4                    | 3.1-6.6 | 5.28  |
| 69        | IET 4082 (CR 138-1040) | 5                | 92-110  | 97    | 3                         | 2  | -  | 5             | 66-105  | 86    | 0                   | 1 | 4                    | 2.2-5.4 | 3.93  |
| 70        | IR 14632-2-3           | 5                | 92-104  | 97    | 3                         | 2  | -  | 5             | 71-115  | 88    | 0                   | 5 | 4                    | 4.4-6.8 | 5.25  |
| 71        | P 2034 F4-46-18-1B     | 5                | 92-102  | 96    | 5                         | 3  | 1  | 5             | 73-115  | 89    | 0                   | 1 | 4                    | 4.1-6.0 | 5.28  |
| 72        | PR 106                 | 5                | 92-104  | 97    | 5                         | 2  | 7  | 5             | 72-100  | 88    | 0                   | 1 | 4                    | 3.1-5.2 | 4.03  |
| 73        | IR 3464-217-1-3        | 5                | 95-121  | 106   | 5                         | 1  | 1  | 5             | 85-135  | 104   | 0                   | 1 | 4                    | 0.8-4.5 | 2.83  |
| 74        | 7 Canuto               | 5                | 96-123  | 104   | 3                         | 1  | -  | 5             | 87-160  | 128   | 5                   | 9 | 4                    | 2.6-4.4 | 3.38  |
| 75        | P 1386-2-6M-5-18       | 5                | 89-104  | 95    | 5                         | 2  | -  | 5             | 88-115  | 100   | 0                   | 1 | 4                    | 4.6-5.6 | 5.05  |
| 76        | IR 14632-212-2         | 5                | 92-128  | 102   | 3                         | 2  | -  | 5             | 80-120  | 97    | 0                   | 1 | 4                    | 4.2-6.9 | 5.68  |
| 77        | UP*76#14               | 5                | 92-125  | 104   | 3                         | 2  | -  | 5             | 74-110  | 92    | 0                   | 1 | 4                    | 3.6-6.9 | 5.25  |
| 78        | B 2277 C-MR-99-2       | 5                | 96-126  | 106   | 3                         | 4  | -  | 5             | 90-160  | 118   | 0                   | 1 | 4                    | 3.8-6.9 | 5.25  |
| 79        | IR 8192-166-2-2-3      | 5                | 93-123  | 103   | 3                         | 4  | -  | 5             | 82-135  | 107   | 0                   | 1 | 4                    | 2.8-5.8 | 4.68  |
| 80        | Sein Tan Lay (testigo) | 5                | 93-123  | 103   | 5                         | 3  | -  | 5             | 88-150  | 122   | 0                   | 1 | 4                    | 1.4-5.9 | 3.98  |
| 81        | P 1332-3-8M-1-1B       | 5                | 92-121  | 102   | 5                         | 4  | -  | 5             | 79-135  | 100   | 0                   | 1 | 4                    | 4.5-7.5 | 6.08  |
| 82        | IR 2588-2-3-3-1        | 5                | 90-100  | 94    | 3                         | 3  | -  | 5             | 66-110  | 85    | 0                   | 1 | 4                    | 3.9-6.4 | 4.95  |
| 83        | IR 14753-120-3         | 4                | 96-113  | 100   | 3                         | 3  | -  | 4             | 85-130  | 102   | -                   | 1 | 3                    | 1.7-7.1 | 4.97  |
| 84        | IRAT 129               | 5                | 92-141  | 104   | 7                         | 4  | -  | 5             | 72-110  | 88    | 0                   | 1 | 4                    | 1.9-6.5 | 3.90  |
| 85        | IR 13358-16-3-2        | 5                | 95-123  | 103   | 3                         | 3  | -  | 5             | 85-130  | 106   | 0                   | 1 | 4                    | 4.8-6.9 | 6.10  |
| 86        | IR 4570-83-3-3-2       | 5                | 95-128  | 107   | 3                         | 2  | -  | 5             | 86-130  | 102   | 0                   | 1 | 4                    | 4.2-7.5 | 6.08  |
| 87        | CR 1024                | 5                | 90-125  | 106   | 3                         | 2  | 5  | 5             | 82-130  | 107   | 0                   | 1 | 4                    | 1.9-7.5 | 4.55  |
| 88        | IR 8098-41-3           | 5                | 93-107  | 98    | 3                         | 2  | -  | 5             | 66-110  | 91    | 0                   | 1 | 4                    | 4.2-6.1 | 5.33  |
| 89        | IR 4595-4-1-15         | 5                | 95-118  | 104   | 3                         | 3  | 1  | 5             | 69-118  | 97    | 0                   | 1 | 4                    | 3.1-6.0 | 4.45  |
| 90        | P 2023 F4-65-18-1B     | 5                | 95-111  | 104   | 1                         | 3  | -  | 5             | 72-106  | 93    | 0                   | 1 | 4                    | 4.1-5.9 | 4.83  |
| 91        | P 2030 F4-67-18-1B     | 5                | 96-125  | 108   | 3                         | 3  | -  | 5             | 70-105  | 91    | 0                   | 1 | 4                    | 3.9-4.5 | 4.15  |
| 92        | IR 13149-71-3-2        | 5                | 96-131  | 107   | 3                         | 3  | -  | 5             | 74-110  | 93    | 0                   | 1 | 4                    | 3.1-6.5 | 4.63  |
| 93        | P 1329-2-10M-3-1B      | 4                | 95-128  | 108   | 5                         | 3  | -  | 4             | 85-110  | 98    | -                   | 1 | 3                    | 1.9-5.4 | 3.47  |
| 94        | IR 5793-55-1-1-1       | 5                | 95-128  | 108   | 3                         | 2  | -  | 5             | 76-115  | 94    | 0                   | 1 | 4                    | 3.3-7.2 | 4.78  |
| 95        | P 2030 F4-231-18-1B    | 5                | 96-130  | 108   | 5                         | 2  | -  | 5             | 77-115  | 94    | 0                   | 1 | 4                    | 1.0-6.7 | 3.63  |

a. Ver nombre de localidad en el Cuadro 4.2; incidencia según Escala Internacional 0-9: 0 = resistente, 9 = susceptible

Cuadro 4.7 Días a floración del germoplasma del Primer Vivero Internacional de Arroz para Secano no Favorecido en América Latina (VIOAL-SNF, 1982), sembrado en 5 localidades en condiciones de Secano no Favorecido.

| Línea no. | Designación                             | Número de la localidad <sup>a</sup> |     |     |     |     | Floración (días) |       |
|-----------|---|-------------------------------------|-----|-----|-----|-----|------------------|-------|
|           |   | 2                                   | 6   | 7   | 9   | 11  | Min-Max          | Prom. |
| 1         | RXOR/LACR//13-D/3/VSTA                  | 90                                  | 78  | 84  | 69  | 74  | 69- 90           | 79!   |
| 2         | BBNT/184675//13-D                       | 90                                  | 79  | 94  | 73  | 82  | 73- 94           | 84    |
| 3         | IR 9752-1-2-1                           | 87                                  | 94  | 98  | 83  | 81  | 81- 98           | 89    |
| 4         | Dourado Precoce                         | 85                                  | 62  | 89  | 69  | 74  | 62- 89           | 76    |
| 5         | Secano do Brasil                        | 88                                  | 91  | 98  | 91  | 96  | 88- 98           | 93    |
| 6         | RRTL/3/6001/CENT//RXDL/SADR/4/Dawn/9570 | 90                                  | 85  | 106 | 86  | 88  | 85-106           | 91    |
| 7         | BBNT/184675//13-D                       | 85                                  | 88  | 108 | 86  | 92  | 85-108           | 92    |
| 8         | Nam Sagui                               | 90                                  | 106 | 110 | 91  | 96  | 90-110           | 99    |
| 9         | CR 156-5021-207                         | 96                                  | 97  | 110 | 91  | 92  | 91-110           | 97    |
| 10        | IR 7473-118-2-2-3                       | 90                                  | 90  | 106 | 91  | 92  | 90-106           | 94    |
| 11        | CODF/H 4                                | 90                                  | 90  | 100 | 83  | 88  | 83-100           | 90    |
| 12        | IR 9256-59                              | 90                                  | 90  | 106 | 93  | 96  | 90-106           | 95    |
| 13        | IAC 1246                                | 90                                  | 98  | 106 | 96  | 96  | 90-106           | 97    |
| 14        | IR 6115-1-1-1                           | 90                                  | 98  | 98  | 91  | 88  | 88- 98           | 93    |
| 15        | Seratus Malam                           | 90                                  | 92  | 103 | 91  | 88  | 88-103           | 93    |
| 16        | IR 13415-9-3                            | 90                                  | 98  | 106 | 91  | 88  | 88-106           | 95    |
| 17        | BR 51-282-8                             | 90                                  | 98  | 106 | 103 | 102 | 90-106           | 100   |
| 18        | IR 5853-118-5                           | 92                                  | 108 | 112 | 99  | 99  | 92-112           | 102   |
| 19        | ITA 162 (TOX 503-7-116-1)               | 90                                  | 90  | 103 | 99  | 92  | 90-103           | 95    |
| 20        | Salumpikit (Testigo)                    | 90                                  | 97  | 98  | 83  | 82  | 82- 98           | 90    |
| 21        | IR 4744-295-2-3                         | 90                                  | 93  | 110 | 96  | 88  | 88-110           | 95    |
| 22        | B 541 B-PN-58-5-3-1                     | 96                                  | 104 | 110 | 96  | 92  | 92-110           | 100   |
| 23        | 343 D.T.                                | 90                                  | 111 | 100 | 93  | 88  | 88-111           | 96    |
| 24        | IR 4535-8-2-1                           | 90                                  | 112 | 106 | 99  | 102 | 90-112           | 102   |
| 25        | IR 9171-60-2-2                          | 90                                  | 92  | 104 | 91  | 93  | 90-104           | 94    |
| 26        | IR 9763-11-2-2                          | 90                                  | 94  | 104 | 96  | 96  | 90-104           | 96    |
| 27        | C 171-120                               | 96                                  | 95  | 103 | 99  | 96  | 95-103           | 98    |
| 28        | B 2360-6-7-1-4                          | 96                                  | 114 | 120 | 108 | 108 | 96-120           | 109   |
| 29        | P 1035-5-6-1-1-1M                       | 96                                  | 107 | 112 | 96  | 102 | 96-112           | 103   |
| 30        | IR 6023-10-1-1                          | 90                                  | 108 | 115 | 99  | 96  | 90-115           | 102   |
| 31        | BR 10 (BR 51-46-5)                      | 100                                 | 112 | 115 | 99  | 102 | 99-115           | 106   |
| 32        | Kaohsiung Sen Yu 104                    | 96                                  | 108 | 118 | 99  | 102 | 96-118           | 105   |
| 33        | Cisadane                                | 105                                 | 114 | 126 | 108 | 108 | 105-126          | 112   |
| 34        | IR 841-67-1                             | 96                                  | 110 | 114 | 96  | 96  | 96-115           | 103   |
| 35        | IR 9852-18-1                            | 100                                 | 111 | 123 | 103 | 104 | 100-123          | 108   |
| 36        | IRAT 127                                | 96                                  | 111 | 115 | 96  | 96  | 96-115           | 103   |
| 37        | Colombia 1                              | 90                                  | 97  | 118 | 96  | 96  | 90-118           | 99    |
| 38        | UPL RI-5 (C 171-136)                    | 96                                  | 99  | 112 | 99  | 102 | 96-112           | 102   |
| 39        | IR 9763-11-2-2                          | 96                                  | 93  | 106 | 96  | 96  | 93-106           | 97    |
| 40        | IAC 47 (Testigo)                        | 90                                  | 90  | 106 | 91  | 88  | 88-106           | 93    |
| 41        | P 1264-6-11M-1-3M-4                     | 96                                  | 98  | 118 | 103 | 96  | 96-118           | 102   |
| 42        | IR 4707-255-2-3                         | 96                                  | 108 | 123 | 99  | 98  | 96-123           | 105   |

Continúa...

Cuadro 4.7 (Continuación)

| Línea<br>no. | Designación            | Número de la localidad <sup>a</sup> / |     |     |     |     | Floración (días) |       |
|--------------|------------------------|---------------------------------------|-----|-----|-----|-----|------------------|-------|
|              |                        | 2                                     | 6   | 7   | 9   | 11  | Min-Max          | Prom. |
| 43           | IR 8073-65-6-1         | 96                                    | 110 | 112 | 99  | 98  | 96-112           | 103   |
| 44           | IR 9846-23-2           | 100                                   | 114 | 126 | 106 | 106 | 100-126          | 110   |
| 45           | IR 9763-11-2-2-3       | 96                                    | 103 | 126 | 106 | 102 | 96-126           | 107   |
| 46           | IR 9852-18-1           | 105                                   | 108 | 123 | 106 | 102 | 102-123          | 109   |
| 47           | IRAT 124               | 96                                    | 114 | 123 | 99  | 108 | 96-123           | 108   |
| 48           | P 1274-6-8M-1-3M-1     | 96                                    | 111 | 123 | 106 | 102 | 96-123           | 108   |
| 49           | IR 1529-680-3-2        | 96                                    | 109 | 123 | 106 | 102 | 96-123           | 107   |
| 50           | IR 8997-4-4-2          | 96                                    | 107 | 123 | 99  | 102 | 96-123           | 105   |
| 51           | L 297-1-3              | 105                                   | 110 | 126 | 107 | 108 | 105-126          | 111   |
| 52           | IR 5105-156-2-3        | 96                                    | 112 | 115 | 96  | 93  | 93-115           | 102   |
| 53           | IRAT 138               | 100                                   | 110 | -   | 108 | 106 | 100-110          | 106   |
| 54           | IRAT 122               | 96                                    | 113 | 108 | 96  | 102 | 96-113           | 103   |
| 55           | CR 201                 | 100                                   | 108 | 112 | 99  | 102 | 99-112           | 104   |
| 56           | IR 14632-22-3          | 100                                   | 115 | 125 | 103 | 104 | 100-125          | 109   |
| 57           | UPL RI-3 (C 424-2)     | 96                                    | 108 | 112 | 99  | 97  | 96-112           | 102   |
| 58           | P 2030 F4-235-1B-1B    | 100                                   | 108 | 123 | 103 | 102 | 100-123          | 107   |
| 59           | P 1288-1-4M-2-1B       | 100                                   | 109 | 118 | 103 | 102 | 100-118          | 106   |
| 60           | Monolaya (Testigo)     | 96                                    | 96  | 106 | 93  | 97  | 93-106           | 98    |
| 61           | IR 5853-115-3-1        | 100                                   | 109 | 123 | 103 | 98  | 98-123           | 107   |
| 62           | PAU 50-B-25-1          | 100                                   | 110 | 118 | 106 | 102 | 100-118          | 107   |
| 63           | Chianung SI-PI 661020  | 100                                   | 96  | 120 | 99  | 96  | 96-120           | 102   |
| 64           | 30-TV                  | 96                                    | 107 | 115 | 108 | 96  | 96-115           | 104   |
| 65           | IR 9204-109            | 100                                   | 116 | -   | 108 | 106 | 100-116          | 108   |
| 66           | IR 2058-435-3-2-2-2    | 100                                   | 116 | 129 | 108 | 104 | 100-129          | 111   |
| 67           | SI-2                   | 96                                    | 112 | 123 | 108 | 96  | 96-123           | 107   |
| 68           | IR 9217-58-2-2         | 100                                   | 110 | 118 | 106 | 108 | 100-118          | 108   |
| 69           | IET 4082 (CR 138-1040) | 100                                   | 110 | 118 | 100 | 102 | 100-118          | 106   |
| 70           | IR 14632-2-3           | 100                                   | 107 | 120 | 106 | 102 | 100-120          | 107   |
| 71           | P 2034 F4-46-1B-1B     | 100                                   | 112 | 120 | 103 | 102 | 100-120          | 107   |
| 72           | PR 106                 | -                                     | 112 | 120 | 106 | 104 | 104-120          | 111   |
| 73           | IR 3464-217-1-3        | 100                                   | 120 | -   | 108 | 118 | 100-120          | 112   |
| 74           | 7 Canuto               | 100                                   | 112 | -   | 112 | 106 | 100-112          | 108   |
| 75           | P 1386-2-6M-5-1B       | 100                                   | 108 | 120 | 103 | 102 | 100-120          | 107   |
| 76           | IR 14632-212-2         | 100                                   | -   | 134 | 106 | 118 | 100-134          | 115   |
| 77           | UP'76#14               | 100                                   | 107 | 123 | 108 | 113 | 100-123          | 110   |
| 78           | B 2277 C-MR-99-2       | 100                                   | 115 | -   | 106 | 118 | 100-118          | 110   |
| 79           | IR 8192-166-2-2-3      | 100                                   | 113 | 125 | 106 | 117 | 100-125          | 112   |
| 80           | Sein Tan Lay (Testigo) | 100                                   | 110 | -   | 108 | 110 | 100-110          | 107   |
| 81           | P 1332-3-8M-1-1B       | 100                                   | 117 | 126 | 106 | 108 | 100-126          | 111   |
| 82           | IR 2588-2-3-3-1        | 100                                   | 112 | 125 | 99  | 96  | 96-125           | 106   |
| 83           | IR 14753-120-3         | 100                                   | 112 | 125 | 108 | 108 | 100-125          | 111   |
| 84           | IRAT 129               | 100                                   | 113 | 134 | 112 | 108 | 100-134          | 113   |
| 85           | IR 13358-16-3-2        | 100                                   | 115 | -   | 116 | 108 | 100-116          | 110   |
| 86           | IR 4570-83-3-3-2       | 100                                   | 120 | -   | 116 | 112 | 100-120          | 112   |
| 87           | CR 1024                | 100                                   | 128 | 123 | 103 | 110 | 100-128          | 113   |
| 88           | IR 8098-41-3           | 100                                   | 110 | 120 | 106 | 99  | 99-120           | 107   |
| 89           | IR 4595-4-1-15         | 100                                   | 115 | 118 | 116 | 108 | 100-118          | 111   |
| 90           | P 2023 F4-65-1B-1B     | 100                                   | 115 | 126 | 116 | 109 | 100-126          | 113   |

Continúa...



Cuadro 4.7 (Continuación)

| Línea<br>no. | Designación         | Número de la localidad <sup>a</sup> / |     |     |     |     | Floración (días) |       |
|--------------|---------------------|---------------------------------------|-----|-----|-----|-----|------------------|-------|
|              |                     | 2                                     | 6   | 7   | 9   | 11  | Min-Max          | Prom. |
| 91           | P 2030 F4-67-1B-1B  | 100                                   | 117 | 131 | 113 | 113 | 100-131          | 115   |
| 92           | IR 13149-71-3-2     | 100                                   | 120 | 129 | 108 | 105 | 100-129          | 112   |
| 93           | P 1329-2-10M-3-1B   | 100                                   | 120 | 123 | 116 | 110 | 100-123          | 114   |
| 94           | IR 5793-55-1-1-1    | 100                                   | 125 | 126 | 116 | 111 | 100-126          | 116   |
| 95           | P 2030 F4-231-1B-1B | 100                                   | 113 | 129 | 108 | 117 | 100-129          | 113   |
| 96           | Testigo local       | 100                                   | 110 | 112 | 108 | 102 |                  |       |

a. Ver nombre de la localidad en el Cuadro 4.2

Cuadro 4.8 Rendimiento (ton/ha) del germoplasma del Primer Vivero Internacional de Arroz para Secano no Favorecido en América Latina (VIPAL-SNF, 1982) sembrado en 5 localidades en condiciones de Secano no Favorecido.

| Línea no. | Designación                                 | No. de localidad <sup>a</sup> / Rendimiento (ton/ha) <sup>b</sup> |     |     |     |     |         |       |
|-----------|---|---|-----|-----|-----|-----|---------|-------|
|           |   | 2   | 6   | 7   | 9   | 11  | Min-Max | Prom. |
| 1         | RXOR/LACR//13-D/3/VSTA                      | 0.7   | 3.0 | 3.1 | -   | -   | 0.7-3.1 | 2.27  |
| 2         | BBNT/184675//13-D                           | 0.4   | 3.3 | 2.8 | -   | -   | 0.4-3.3 | 2.17  |
| 3         | IR 9752-1-2-1                               | 1.5   | -   | 3.1 | -   | -   | 1.5-3.1 | 2.30  |
| 4         | Dourado Precoce                             | 1.0   | 4.3 | 1.6 | -   | -   | 1.0-4.3 | 2.30  |
| 5         | Secano do Brasil                            | 1.4   | 1.6 | 1.7 | -   | -   | 1.4-1.7 | 1.57  |
| 6         | RRTL/3/6001/CENT//RXDL/<br>SADR/4/Dawn/9570 | 0.8   | 4.0 | 2.8 | -   | -   | 0.8-4.0 | 2.53  |
| 7         | BBNT/184675//13-D                           | 0.7   | 3.2 | 3.0 | -   | 0.6 | 0.6-3.2 | 1.88  |
| 8         | Nam Saguí                                   | 0.5   | 1.7 | 3.5 | -   | 1.2 | 0.5-3.5 | 1.73  |
| 9         | CR 156-5021-207                             | 1.8   | 4.2 | 3.0 | 5.3 | 2.6 | 1.8-4.2 | 2.90  |
| 10        | IR 7473-118-2-2-3                           | 1.4   | 2.1 | 2.5 | 4.5 | 2.3 | 1.4-2.5 | 2.08  |
| 11        | COOF/H 4                                    | 1.7   | 2.4 | 2.0 | -   | -   | 1.7-2.4 | 2.03  |
| 12        | IR 9256-59                                  | 2.0   | 4.6 | 2.2 | -   | 1.0 | 1.0-4.6 | 2.45  |
| 13        | IAC 1246                                    | 2.3   | 4.3 | 3.2 | -   | 1.4 | 1.4-4.3 | 2.80  |
| 14        | IR 6115-1-1-1                               | 1.3   | 2.1 | 2.9 | -   | 1.7 | 1.3-2.9 | 2.00  |
| 15        | Seratus Malam                               | 2.2   | 2.2 | 5.0 | -   | 1.6 | 1.6-5.0 | 2.75  |
| 16        | IR 13415-9-3                                | 1.7   | 1.6 | 1.1 | -   | 1.7 | 1.1-1.7 | 1.53  |
| 17        | BR 51-282-8                                 | 2.5   | 4.5 | 1.5 | -   | 2.2 | 1.5-4.5 | 2.68  |
| 18        | IR 5853-118-5                               | 1.4   | 2.3 | 0.9 | -   | 2.9 | 0.9-2.9 | 1.88  |
| 19        | ITA 162 (TOX 503-7-116-1)                   | 2.0   | 4.0 | 3.0 | -   | 2.2 | 2.0-4.0 | 2.80  |
| 20        | Salumpikit (Testigo)                        | 2.3   | 2.6 | 1.7 | -   | 0.2 | 0.2-2.6 | 1.70  |
| 21        | IR 4744-295-2-3                             | 2.0   | 2.8 | 1.7 | -   | 1.5 | 1.5-2.8 | 2.00  |
| 22        | B 541 B-PN-58-5-3-1                         | 2.5   | 1.9 | 1.4 | -   | 1.2 | 1.2-2.5 | 1.75  |
| 23        | 343 D.T.                                    | 1.7   | 3.3 | 2.2 | -   | 2.7 | 1.7-3.3 | 2.48  |
| 24        | IR 4535-8-2-1                               | 2.4   | 3.9 | 2.0 | 4.0 | 3.4 | 2.0-3.9 | 2.93  |
| 25        | IR 9171-60-2-2                              | 1.6   | 1.2 | 2.2 | -   | 1.2 | 1.2-2.2 | 1.55  |
| 26        | IR 9763-11-2-2                              | 2.0   | 4.0 | 1.9 | -   | 1.6 | 1.6-4.0 | 2.60  |
| 27        | C 171-120                                   | 2.3   | 3.4 | 1.7 | -   | 2.7 | 1.7-3.4 | 2.53  |
| 28        | B 2360-6-7-1-4                              | 1.5   | 1.7 | 1.1 | -   | 2.8 | 1.1-2.8 | 1.78  |
| 29        | P 1035-5-6-1-1-1M                           | 1.9   | 2.3 | 0.8 | 3.2 | 3.0 | 0.8-3.0 | 2.00  |
| 30        | IR 6023-10-1-1                              | 2.1   | 1.7 | 0.9 | -   | 2.6 | 0.9-2.6 | 1.82  |
| 31        | BR 10 (BR 51-46-5)                          | 2.3   | 4.1 | 1.8 | -   | 2.7 | 1.8-4.1 | 2.73  |
| 32        | Kaohsiung Sen Yu 104                        | 1.5   | 2.4 | 0.5 | 4.4 | 2.4 | 0.5-2.4 | 1.70  |
| 33        | Cisadane                                    | 0.5   | 1.0 | 0.5 | -   | 3.4 | 0.5-3.4 | 1.35  |
| 34        | IR 841-67-1                                 | 2.5   | 1.5 | 0.4 | 5.5 | 0.6 | 0.4-2.5 | 1.25  |
| 35        | IR 9852-18-1                                | 1.5   | 1.3 | 0.8 | -   | 4.1 | 0.8-4.1 | 1.93  |
| 36        | IRAT 127                                    | 1.5   | 1.9 | 1.3 | 3.9 | 3.6 | 1.3-3.6 | 2.08  |
| 37        | Colombia 1                                  | 1.9   | 1.0 | 0.5 | -   | 1.2 | 0.5-1.9 | 1.15  |
| 38        | UPL RI-5 (C 171-136)                        | 2.0   | 1.7 | 2.0 | -   | 1.7 | 1.7-2.0 | 1.85  |
| 39        | IR 9763-11-2-2                              | 2.5   | -   | 2.7 | -   | 2.4 | 2.4-2.7 | 2.53  |
| 40        | IAC 47 (Testigo)                            | 2.0   | 1.5 | 2.2 | -   | 1.0 | 1.0-2.2 | 1.68  |
| 41        | P 1264-6-11M-1-3M-4                         | 1.2   | 1.5 | 1.9 | -   | 2.9 | 1.2-2.9 | 1.88  |
| 42        | IR 4707-255-2-3                             | 1.5   | 2.3 | 0.7 | -   | 2.7 | 0.7-2.7 | 1.80  |
| 43        | IR 8073-65-6-1                              | 1.0   | 2.3 | 2.0 | -   | 1.2 | 1.0-2.3 | 1.63  |
| 44        | IR 9846-23-2                                | 1.4   | 2.4 | 0.3 | -   | 3.9 | 0.3-3.9 | 2.00  |
| 45        | IR 9763-11-2-2-3                            | 1.9   | 4.1 | 1.0 | -   | 2.4 | 1.0-4.1 | 2.35  |

Continúa...

Cuadro 4.8 (Continuación)

| Línea<br>no. | Designación            | No. de localidad <sup>a</sup> / Rendimiento (ton/ha) <sup>b</sup> |     |     |     |     | Min-Max | Prom. |
|--------------|------------------------|---|-----|-----|-----|-----|---------|-------|
|              |                        | 2   | 6   | 7   | 9   | 11  |         |       |
| 46           | IR 9852-18-1           | 0.8   | 5.1 | 0.8 | -   | 3.4 | 0.8-5.1 | 2.53  |
| 47           | IRAT 124               | 2.0   | 2.8 | 0.1 | -   | 0.8 | 0.1-2.8 | 1.43  |
| 48           | P 1274-6-8M-1-3M-1     | 1.2   | 2.7 | 0.3 | -   | 4.3 | 0.3-4.3 | 2.13  |
| 49           | IR 1529-680-3-2        | 0.7   | 5.2 | 1.0 | 3.6 | 3.3 | 0.7-5.2 | 2.55  |
| 50           | IR 8997-4-4-2          | 1.5   | 3.0 | 0.9 | -   | 3.1 | 0.9-3.1 | 2.13  |
| 51           | L 297-1-3              | 0.8   | 1.7 | 2.4 | -   | 1.7 | 0.8-2.4 | 1.65  |
| 52           | IR 51015-156-2-3       | 2.0   | 0.7 | 0.4 | 4.7 | 3.4 | 0.4-3.4 | 1.63  |
| 53           | IRAT 138               | 0.8   | 1.3 | 0.8 | -   | 4.0 | 0.8-4.0 | 1.73  |
| 54           | IRAT 122               | 2.0   | 1.7 | 0.4 | -   | 2.7 | 0.4-2.7 | 1.70  |
| 55           | CR 201                 | 1.7   | 1.5 | 1.0 | 4.6 | 3.4 | 1.0-3.4 | 1.90  |
| 56           | IR 14632-22-3          | 1.2   | 0.6 | 1.0 | -   | 4.4 | 0.6-4.4 | 1.80  |
| 57           | UPL RI-3 (C 424-2)     | 2.7   | 1.7 | 2.7 | -   | 3.5 | 1.7-3.5 | 2.65  |
| 58           | P 2030 F4-235-1B-1B    | 2.8   | 1.0 | 3.3 | -   | 5.0 | 1.0-5.0 | 3.03  |
| 59           | P 1288-1-4M-2-1B       | 1.2   | 2.7 | 2.7 | 3.9 | 4.2 | 1.2-4.2 | 2.70  |
| 60           | Monolaya (Testigo)     | 1.0   | 1.8 | 1.8 | -   | 1.2 | 1.0-1.8 | 1.45  |
| 61           | IR 5853-115-3-1        | 0.8   | 2.1 | 2.3 | -   | 4.1 | 0.8-4.1 | 2.33  |
| 62           | PAU 50-B-25-1          | 0.8   | 3.7 | 2.3 | -   | 3.5 | 0.8-3.7 | 2.58  |
| 63           | Chianung SI-PI 661020  | 1.4   | 3.7 | 1.5 | -   | 2.9 | 1.4-3.7 | 2.38  |
| 64           | 30-TV                  | 2.2   | 4.4 | 2.5 | -   | 4.1 | 2.2-4.4 | 3.30  |
| 65           | IR 9204-109            | 0.5   | 0.5 | 0.3 | -   | 2.8 | 0.3-2.8 | 1.03  |
| 66           | IR 2058-435-3-2-2-2    | 0.8   | 0.7 | 2.0 | -   | 3.7 | 0.7-3.7 | 1.80  |
| 67           | SI-2                   | 1.7   | 2.5 | 2.0 | -   | 1.9 | 1.7-2.5 | 2.03  |
| 68           | IR 9217-58-2-2         | 1.2   | 0.5 | 4.0 | 3.7 | 3.7 | 0.5-4.0 | 2.35  |
| 69           | IET 4082 (CR 138-1040) | 1.3   | 0.7 | 2.4 | -   | 2.4 | 0.7-2.4 | 1.70  |
| 70           | IR 14632-2-3           | 0.7   | 1.2 | 2.7 | -   | 4.4 | 0.7-4.4 | 2.25  |
| 71           | P 2034 F4-46-1B-1B     | 0.0   | 1.3 | 3.2 | -   | 4.6 | 0.9-4.6 | 2.50  |
| 72           | PR 106                 | -   | 0.7 | 2.8 | 3.3 | 2.7 | 0.7-2.8 | 2.07  |
| 73           | IR 3464-217-1-3        | 1.0   | 0.3 | 1.3 | -   | 3.0 | 0.3-3.0 | 1.40  |
| 74           | 7 Canuto               | 1.8   | 1.7 | 1.7 | -   | 1.9 | 1.7-1.9 | 1.78  |
| 75           | P 1386-2-6M-5-1B       | 1.5   | 0.8 | 2.1 | 4.2 | 3.5 | 0.8-3.5 | 1.98  |
| 76           | IR 14632-212-2         | 0.7   | -   | 2.0 | -   | 4.6 | 0.7-4.6 | 2.43  |
| 77           | UP'76#14               | -   | 0.9 | 2.3 | -   | 4.1 | 0.9-4.1 | 2.43  |
| 78           | B 2277 C-MR-99-2       | 0.7   | 3.3 | 0.9 | -   | 4.1 | 0.7-4.1 | 2.25  |
| 79           | IR 8192-166-2-2-3      | 1.4   | 1.6 | 0.8 | -   | 3.3 | 0.8-3.3 | 1.78  |
| 80           | Sein Tan Lay (Testigo) | 0.7   | 1.7 | 1.3 | -   | 4.1 | 0.7-4.1 | 1.95  |
| 81           | P 1332-3-8M-1-1-B      | 1.6   | 3.2 | 2.2 | 3.9 | 4.1 | 1.6-4.1 | 2.78  |
| 82           | IR 2588-2-3-3-1        | 2.5   | 1.4 | 0.6 | 3.5 | 3.5 | 0.6-3.5 | 2.00  |
| 83           | IR 14753-120-3         | 1.9   | 0.9 | 0.4 | -   | 3.9 | 0.4-3.9 | 1.78  |
| 84           | IRAT 129               | 1.0   | 1.9 | 0.3 | -   | 4.1 | 0.3-4.1 | 1.83  |
| 85           | IR 13358-16-3-2        | 0.6   | 2.2 | 0.6 | -   | 4.5 | 0.6-4.5 | 1.98  |
| 86           | IR 4570-83-3-3-2       | 1.2   | 3.8 | 0.1 | -   | 4.5 | 0.1-4.5 | 2.40  |
| 87           | CR 1024                | 1.9   | 3.2 | 1.2 | -   | 4.0 | 1.2-4.0 | 2.58  |
| 88           | IR 8098-41-3           | 0.7   | 2.6 | 3.0 | -   | 4.0 | 0.7-4.0 | 2.58  |
| 89           | IR 4595-4-1-15         | 0.3   | 1.4 | 1.1 | -   | 4.0 | 0.3-4.0 | 1.70  |
| 90           | P 2023 F4-65-1B-1B     | 1.2   | 1.7 | 2.2 | -   | 4.3 | 1.2-4.3 | 2.35  |

Continúa...

Cuadro 4.8 (Continuación)

| Línea<br>no. | Designación         | No. de localidad <sup>a</sup> / Rendimiento (ton/ha) <sup>b</sup> |     |     |     |     |         |       |
|--------------|---------------------|---|-----|-----|-----|-----|---------|-------|
|              |                     | 2   | 6   | 7   | 9   | 11  | Min-Max | Prom. |
| 91           | P 2030 F4-67-1B-1B  | 1.2   | 2.0 | 0.7 | -   | 4.5 | 0.7-4.5 | 2.10  |
| 92           | IR 13149-71-3-2     | 1.2   | 1.5 | 1.2 | 2.9 | 4.3 | 1.2-4.3 | 1.80  |
| 93           | P 1329-2-10M-3-1B   | 0.8   | 1.2 | 1.3 | -   | 4.3 | 0.8-4.3 | 1.90  |
| 94           | IR 5793-55-1-1-1    | 1.5   | 1.4 | 2.0 | -   | 3.0 | 1.4-3.0 | 1.98  |
| 95           | P 2030 F4-231-1B-1B | 0.4   | 0.9 | 1.1 | -   | 3.7 | 0.4-3.7 | 1.53  |
| 96           | Testigo local       | 0.5   | 1.8 | 2.0 | 2.2 | 2.9 |         |       |

a. Ver nombre de la localidad en el Cuadro 4.2

b. Promedio de 4 localidades sin incluir a Cañas, Costa Rica.

Cuadro 4.9 Resumen de las principales características agronómicas del germoplasma del Primer Vivero Internacional de Arroz para Secano no Favorecido en América Latina (VIOAL-SAF, 1982), sembrado bajo condiciones de secano no favorecido.

| Línea no. | Designación                                 | Floración (días) |         |       | Piricularia <sup>a</sup> |     |   | Altura         |         |       | Vuelco         |         |       | Rendimiento (ton/ha) |         |       |
|-----------|---|------------------|---------|-------|--------------------------|-----|---|----------------|---------|-------|----------------|---------|-------|----------------------|---------|-------|
|           |   | No. de Pruebas   | Min-Max | Prom. | BT                       | NBT |   | No. de Pruebas | Min-Max | Prom. | No. de Pruebas | Min-Max | Prom. | No. de Pruebas       | Min-Max | Prom. |
| 1         | RXOR/LACR//13-D/3/VSTA                      | 5                | 69- 90  | 79    | 0                        | 6   | 9 | 5              | 60-116  | 99    | 3              | 1-9     | 4.7   | 3                    | 0.7-3.1 | 2.27  |
| 2         | BBNT/184675//13-D                           | 5                | 73- 94  | 84    | 0                        | 7   | 5 | 5              | 60-118  | 96    | 3              | 1-7     | 3.7   | 3                    | 0.4-3.3 | 2.17  |
| 3         | IR 9752-1-2-1                               | 5                | 81- 98  | 89    | 0                        | 7   | 0 | 5              | 50- 89  | 73    | 3              | 1-9     | 4.3   | 2                    | 1.5-3.1 | 2.30  |
| 4         | Dourado Precoce                             | 5                | 62- 89  | 76    | 0                        | 9   | 9 | 5              | 65-120  | 103   | 3              | 1-9     | 6.0   | 3                    | 1.0-4.3 | 2.30  |
| 5         | Secano do Brasil                            | 5                | 88- 98  | 93    | 1                        | 6   | 7 | 5              | 70-135  | 111   | 3              | 7-9     | 8.0   | 3                    | 1.4-1.7 | 1.57  |
| 6         | RRTL/3/6001/CENT//RXDL/SADR/<br>4/Dawn/9570 | 5                | 85-106  | 91    | 4                        | 9   | 5 | 5              | 68-117  | 100   | 3              | 1-7     | 3.0   | 3                    | 0.8-4.0 | 2.53  |
| 7         | BBNT/184675//13-D                           | 5                | 85-108  | 92    | 4                        | 9   | 5 | 5              | 52-124  | 94    | 3              | 1-9     | 3.7   | 4                    | 0.6-3.2 | 1.88  |
| 8         | Nam Saguí                                   | 5                | 90-110  | 99    | 0                        | 5   | 3 | 5              | 75-142  | 118   | 3              | 7-9     | 8.0   | 4                    | 0.5-3.5 | 1.73  |
| 9         | CR 156-5021-207                             | 5                | 91-110  | 97    | 0                        | 5   | 0 | 5              | 40- 94  | 76    | 3              | 0-5     | 2.0   | 4                    | 1.8-4.2 | 2.90  |
| 10        | IR 7473-118-2-2-3                           | 5                | 90-106  | 94    | 0                        | 5   | 0 | 5              | 42- 95  | 83    | 3              | 1-7     | 3.7   | 4                    | 1.4-2.5 | 2.08  |
| 11        | COOF/H 4                                    | 5                | 83-100  | 90    | 0                        | 6   | 5 | 5              | 42- 96  | 78    | 3              | 1-3     | 1.7   | 3                    | 1.7-2.4 | 2.03  |
| 12        | IR 9256-59                                  | 5                | 90-106  | 95    | 0                        | 5   | 0 | 5              | 48- 90  | 78    | 3              | 1-7     | 5.0   | 4                    | 1.0-4.6 | 2.45  |
| 13        | IAC 1246                                    | 5                | 90-106  | 97    | 0                        | 5   | 0 | 5              | 70-135  | 117   | 3              | 7-9     | 8.0   | 4                    | 1.4-4.3 | 2.80  |
| 14        | IR 6115-1-1-1                               | 5                | 88- 98  | 93    | 0                        | 5   | 0 | 5              | 30- 82  | 66    | 3              | 1-7     | 5.7   | 4                    | 1.3-2.9 | 2.00  |
| 15        | Seratus Malam                               | 5                | 88-103  | 93    | 0                        | 5   | 3 | 5              | 30- 87  | 67    | 3              | 1-9     | 5.7   | 4                    | 1.6-5.0 | 2.75  |
| 16        | IR 13415-9-3                                | 5                | 88-106  | 95    | 0                        | 5   | 3 | 5              | 30- 90  | 66    | 3              | 1-9     | 3.7   | 4                    | 1.1-1.7 | 1.53  |
| 17        | BR 51-282-8                                 | 5                | 90-106  | 100   | 0                        | 5   | 3 | 5              | 75-117  | 98    | 3              | 0-1     | 0.7   | 4                    | 1.5-4.5 | 2.68  |
| 18        | IR 5853-118-5                               | 5                | 92-112  | 102   | 0                        | 5   | 3 | 5              | 35- 95  | 75    | 3              | 1-1     | 1.0   | 4                    | 0.9-2.9 | 1.98  |
| 19        | ITA 162 (TOX 503-7-116-1)                   | 5                | 90-103  | 95    | 0                        | 9   | 0 | 5              | 35- 95  | 79    | 3              | 1-9     | 3.7   | 4                    | 2.0-4.0 | 2.80  |
| 20        | Salumpikit (testigo)                        | 5                | 82- 98  | 90    | 0                        | 5   | 5 | 5              | 85-140  | 123   | 3              | 9-9     | 9.0   | 4                    | 0.2-2.6 | 1.70  |
| 21        | IR 4744-295-2-3                             | 5                | 88-110  | 95    | 0                        | 3   | 3 | 5              | 45- 99  | 78    | 3              | 1-3     | 1.7   | 4                    | 1.5-2.8 | 2.00  |
| 22        | B 541 B-PN-58-5-3-1                         | 5                | 92-110  | 100   | 0                        | 3   | 0 | 5              | 45-117  | 94    | 2              | 1-1     | 1.0   | 4                    | 1.2-2.5 | 1.75  |
| 23        | 343 D.T.                                    | 5                | 88-111  | 96    | 0                        | 5   | 0 | 5              | 35-112  | 87    | 2              | 1-1     | 1.0   | 4                    | 1.7-3.3 | 2.48  |
| 24        | IR 4535-8-2-1                               | 5                | 90-112  | 102   | 0                        | 5   | 0 | 5              | 35- 85  | 71    | 2              | 1-1     | 1.0   | 4                    | 2.0-3.9 | 2.93  |
| 25        | IR 9171-60-2-2                              | 5                | 90-104  | 94    | 0                        | 5   | 3 | 5              | 35- 92  | 75    | 3              | 1-1     | 1.0   | 4                    | 1.2-2.2 | 1.55  |
| 26        | IR 9763-11-2-2                              | 5                | 90-104  | 96    | 0                        | 3   | 3 | 5              | 40-106  | 81    | 3              | 1-9     | 3.7   | 4                    | 1.6-4.0 | 2.60  |
| 27        | C 171-120                                   | 5                | 95-103  | 98    | 0                        | 6   | 3 | 5              | 55-133  | 108   | 3              | 5-9     | 6.7   | 4                    | 1.7-3.4 | 2.53  |
| 28        | B 2360-6-7-1-4                              | 5                | 96-120  | 109   | 0                        | 7   | 3 | 5              | 50-110  | 87    | 3              | 1-9     | 3.7   | 4                    | 1.1-2.8 | 1.78  |
| 29        | P 1035-5-6-1-1-1M                           | 5                | 96-112  | 103   | 0                        | 6   | 0 | 5              | 50-103  | 87    | 3              | 1-7     | 3.0   | 4                    | 0.8-3.0 | 2.00  |
| 30        | IR 6023-10-1-1                              | 5                | 90-115  | 102   | 0                        | 3   | 0 | 5              | 75-127  | 105   | 3              | 1-9     | 3.7   | 4                    | 0.9-2.6 | 1.82  |
| 31        | BR 10 (BR 51-46-5)                          | 5                | 99-115  | 106   | 0                        | 3   | 0 | 5              | 60-125  | 101   | 3              | 1-9     | 3.7   | 4                    | 1.8-4.1 | 2.73  |
| 32        | Kaohsiung Sen Yu 104                        | 5                | 96-118  | 105   | 0                        | 7   | 0 | 5              | 60-106  | 85    | 3              | 1-9     | 3.7   | 4                    | 0.5-2.4 | 1.70  |
| 33        | Cisadane                                    | 5                | 105-126 | 112   | 0                        | 7   | 0 | 5              | 60-111  | 85    | 3              | 1-1     | 1.0   | 4                    | 0.5-3.4 | 1.35  |
| 34        | IR 841-67-1                                 | 5                | 96-115  | 103   | 0                        | 6   | 0 | 5              | 50- 91  | 70    | 3              | 1-1     | 1.0   | 4                    | 0.4-2.5 | 1.25  |
| 35        | IR 9852-18-1                                | 5                | 100-123 | 108   | 0                        | 6   | 0 | 5              | 50-104  | 83    | 3              | 1-3     | 1.7   | 4                    | 0.8-4.1 | 1.93  |
| 36        | IRAT 127                                    | 5                | 96-115  | 103   | 0                        | 5   | 0 | 5              | 30- 89  | 71    | 3              | 1-1     | 1.0   | 4                    | 1.3-3.6 | 2.08  |
| 37        | Colombia 1                                  | 5                | 90-118  | 99    | 0                        | 2   | 0 | 5              | 80-127  | 103   | 3              | 1-9     | 3.7   | 4                    | 0.5-1.9 | 1.15  |
| 38        | UPL R1-5 (C 171-136)                        | 5                | 96-112  | 102   | 4                        | 5   | 0 | 5              | 80-131  | 103   | 3              | 1-9     | 3.7   | 4                    | 1.7-2.0 | 1.85  |
| 39        | IR 9763-11-2-2                              | 5                | 93-106  | 97    | 4                        | 5   | 0 | 5              | 89-111  | 89    | 3              | 1-9     | 3.7   | 3                    | 2.4-2.7 | 2.53  |
| 40        | IAC 47 (testigo)                            | 5                | 88-106  | 93    | 5                        | 5   | 9 | 5              | 85-162  | 121   | 3              | 1-9     | 3.7   | 4                    | 1.0-2.2 | 1.68  |
| 41        | P 1264-6-11M-1-3M-4                         | 5                | 96-118  | 102   | 0                        | 7   | 0 | 5              | 70-101  | 83    | 3              | 1-9     | 3.7   | 4                    | 1.2-2.9 | 1.88  |
| 42        | IR 4707-255-2-3                             | 5                | 96-123  | 105   | 0                        | 5   | 1 | 5              | 60- 95  | 78    | 3              | 1-9     | 3.7   | 4                    | 0.7-2.7 | 1.80  |
| 43        | IR 8073-65-6-1                              | 5                | 96-112  | 103   | 0                        | 5   | 0 | 5              | 50- 94  | 75    | 3              | 1-9     | 3.7   | 4                    | 1.9-2.3 | 1.63  |
| 44        | IR 9846-23-2                                | 5                | 100-126 | 110   | 0                        | 5   | 0 | 5              | 50- 89  | 73    | 3              | 1-7     | 3.0   | 4                    | 0.3-3.9 | 2.00  |
| 45        | IR 9763-11-2-2-3                            | 5                | 96-126  | 107   | 0                        | 5   | 0 | 5              | 65- 91  | 82    | 3              | 1-9     | 3.7   | 4                    | 1.0-4.1 | 2.35  |
| 46        | IR 9852-18-1                                | 5                | 102-123 | 109   | 0                        | 5   | 0 | 5              | 65- 98  | 88    | 3              | 1-7     | 3.0   | 4                    | 0.8-5.1 | 2.53  |
| 47        | IRAT 124                                    | 5                | 96-123  | 108   | 4                        | 5   | 1 | 5              | 75-125  | 101   | 3              | 1-9     | 6.3   | 4                    | 0.1-2.8 | 1.43  |
| 48        | P 1274-6-8M-1-3M-1                          | 5                | 96-123  | 108   | 0                        | 5   | 0 | 5              | 50- 94  | 81    | 5              | 1-1     | 1.0   | 4                    | 0.3-4.3 | 2.13  |
| 49        | IR 1529-680-3-2                             | 5                | 96-123  | 107   | 0                        | 6   | 0 | 5              | 50- 91  | 80    | 5              | 1-7     | 3.0   | 4                    | 0.7-5.2 | 2.55  |
| 50        | IR 8997-4-4-2                               | 5                | 96-123  | 105   | 1                        | 5   | 1 | 5              | 75-136  | 110   | 5              | 1-9     | 3.7   | 4                    | 0.9-3.1 | 2.13  |

Continúa...

Cuadro 4.9 (Continuación)

| Línea<br>no. | Designación            | Floración<br>(días) |         |       | Piricularia |     |   | Altura            |         |       | Vuelco            |         |       | Rendimiento<br>(ton/ha) |         |       |
|--------------|------------------------|---------------------|---------|-------|-------------|-----|---|-------------------|---------|-------|-------------------|---------|-------|-------------------------|---------|-------|
|              |                        | No. de<br>Pruebas   | Min-Max | Prom. | B1          | H81 | 9 | No. de<br>Pruebas | Min-Max | Prom. | No. de<br>Pruebas | Min-Max | Prom. | No. de<br>Pruebas       | Min-Max | Prom. |
| 51           | L 297-1-3              | 5                   | 105-126 | 111   | 1           | 7   | 1 | 5                 | 70-124  | 104   | 3                 | 1-9     | 3.7   | 4                       | 0.8-2.4 | 1.65  |
| 52           | IR 5105-156-2-3        | 5                   | 93-115  | 102   | 0           | 7   | 0 | 5                 | 40-100  | 76    | 3                 | 1-7     | 3.0   | 4                       | 0.4-3.4 | 1.63  |
| 53           | IRAT 139               | 4                   | 100-110 | 106   | 0           | 7   | 0 | 5                 | 50-109  | 87    | 3                 | 1-9     | 3.7   | 4                       | 0.8-4.0 | 1.73  |
| 54           | IRAT 122               | 5                   | 96-113  | 103   | 0           | 3   | 0 | 5                 | 80-129  | 129   | 3                 | 1-7     | 3.0   | 4                       | 0.4-2.7 | 1.70  |
| 55           | CR 201                 | 5                   | 99-112  | 104   | 0           | 3   | 0 | 5                 | 70- 96  | 83    | 3                 | 1-3     | 1.7   | 4                       | 1.0-3.4 | 1.90  |
| 56           | IR 14632-22-3          | 5                   | 100-125 | 109   | 0           | 3   | 0 | 5                 | 70-100  | 83    | 3                 | 1-9     | 3.7   | 4                       | 0.6-4.4 | 1.80  |
| 57           | UPL RI-3 (C 424-2)     | 5                   | 96-112  | 102   | 0           | 3   | 0 | 5                 | 83-126  | 108   | 3                 | 1-7     | 3.0   | 4                       | 1.7-3.5 | 2.65  |
| 58           | P 2030 F4-235-18-1B    | 5                   | 100-123 | 107   | 1           | 3   | 1 | 5                 | 73- 99  | 86    | 3                 | 1-3     | 1.7   | 4                       | 1.0-5.0 | 3.03  |
| 59           | P 1288-1-44-2-1B       | 5                   | 100-119 | 106   | 0           | 5   | 0 | 5                 | 75-106  | 93    | 3                 | 1-3     | 1.7   | 4                       | 1.2-4.2 | 2.70  |
| 60           | Monolaya (testigo)     | 5                   | 93-106  | 98    | 4           | 5   | 5 | 5                 | 75-171  | 126   | 3                 | 1-9     | 3.7   | 4                       | 1.0-1.8 | 1.45  |
| 61           | IR 5853-115-3-1        | 5                   | 98-123  | 107   | 0           | 8   | 0 | 4                 | 79- 92  | 88    | 3                 | 1-9     | 3.7   | 4                       | 0.8-4.1 | 2.33  |
| 62           | PAU 50-B-25-1          | 5                   | 100-118 | 107   | 0           | 9   | 0 | 4                 | 83-104  | 92    | 3                 | 1-9     | 3.7   | 4                       | 0.8-3.7 | 2.58  |
| 63           | Chianung SI-PI 661020  | 5                   | 96-120  | 102   | 0           | -   | 0 | 4                 | 80- 98  | 90    | 3                 | 1-9     | 3.7   | 4                       | 1.4-3.7 | 2.38  |
| 64           | 30-TV                  | 5                   | 96-115  | 104   | 0           | 5   | - | 5                 | 70-115  | 103   | 3                 | 1-1     | 1.0   | 4                       | 2.2-4.4 | 3.30  |
| 65           | IR 9204-109            | 4                   | 100-116 | 108   | 0           | -   | 0 | 3                 | 89-104  | 94    | 3                 | 1-1     | 1.0   | 4                       | 0.3-2.8 | 1.03  |
| 66           | IR 2058-435-3-2-2-2    | 5                   | 100-129 | 111   | 0           | -   | 0 | 4                 | 78-100  | 91    | 3                 | 1-1     | 1.0   | 4                       | 0.7-3.7 | 1.80  |
| 67           | SI-2                   | 5                   | 96-123  | 107   | 0           | 7   | 0 | 5                 | 60-112  | 99    | 3                 | 1-1     | 1.0   | 4                       | 1.7-2.5 | 2.03  |
| 68           | IR 9217-58-2-2         | 5                   | 100-118 | 108   | 0           | -   | 0 | 4                 | 63-102  | 88    | 3                 | 1-3     | 1.7   | 4                       | 0.5-4.0 | 2.35  |
| 69           | IET 4082 (CR 138-1040) | 5                   | 100-118 | 106   | 0           | -   | 0 | 4                 | 64- 94  | 82    | 3                 | 1-3     | 1.7   | 4                       | 0.7-2.4 | 1.70  |
| 70           | IR 14632-2-3           | 5                   | 100-120 | 107   | 1           | -   | 1 | 4                 | 64- 92  | 80    | 3                 | 1-3     | 1.7   | 4                       | 0.7-4.4 | 2.25  |
| 71           | P 2031 F4-46-18-1B     | 5                   | 100-120 | 107   | 0           | -   | 0 | 4                 | 80- 92  | 85    | 3                 | 1-1     | 1.0   | 4                       | 0.9-4.6 | 2.50  |
| 72           | PR 106                 | 4                   | 104-120 | 111   | 0           | -   | 0 | 4                 | 63- 91  | 81    | 3                 | 1-1     | 1.0   | 3                       | 0.7-2.8 | 2.07  |
| 73           | IR 3464-217-1-3        | 4                   | 100-120 | 112   | 0           | -   | 0 | 4                 | 80-113  | 98    | 3                 | 1-1     | 1.0   | 4                       | 0.3-3.0 | 1.40  |
| 74           | 7 Canuto               | 4                   | 100-112 | 108   | 0           | 3   | 0 | 5                 | 60-135  | 114   | 3                 | 1-3     | 1.7   | 4                       | 1.7-1.9 | 1.78  |
| 75           | P 1386-2-6M-5-1B       | 5                   | 100-120 | 107   | 0           | 7   | 0 | 5                 | 45-107  | 82    | 3                 | 1-1     | 1.0   | 4                       | 0.8-3.5 | 1.98  |
| 76           | IR 14632-212-2         | 4                   | 100-134 | 115   | 0           | -   | 0 | 3                 | 80- 96  | 90    | 2                 | 1-1     | 1.0   | 3                       | 0.7-4.6 | 2.43  |
| 77           | UP'76#14               | 5                   | 100-123 | 110   | 0           | -   | 0 | 4                 | 70- 93  | 83    | 3                 | 1-1     | 1.0   | 3                       | 0.9-4.1 | 2.43  |
| 78           | B 2277 C-MR-99-2       | 4                   | 100-118 | 110   | 0           | 3   | 0 | 5                 | 80-120  | 107   | 3                 | 1-1     | 1.0   | 4                       | 0.7-4.1 | 2.25  |
| 79           | IR 8192-166-2-2-3      | 5                   | 100-125 | 112   | 0           | -   | 0 | 4                 | 88-108  | 94    | 3                 | 1-7     | 3.0   | 4                       | 0.8-3.3 | 1.78  |
| 80           | Sein Ta Lay (testigo)  | 4                   | 100-110 | 107   | 0           | 9   | 0 | 5                 | 80-140  | 112   | 3                 | 1-1     | 1.0   | 4                       | 0.7-4.1 | 1.95  |
| 81           | P 1332-3-8M-1-1B       | 5                   | 100-126 | 111   | 0           | 8   | 0 | 5                 | 60-100  | 87    | 3                 | 1-1     | 1.0   | 4                       | 1.6-4.1 | 2.78  |
| 82           | IR 2588-2-3-3-1        | 5                   | 96-125  | 106   | 0           | 7   | 0 | 5                 | 60- 93  | 80    | 3                 | 1-1     | 1.0   | 4                       | 0.6-3.5 | 2.00  |
| 83           | IR 14753-120-3         | 5                   | 100-125 | 111   | 0           | -   | 0 | 4                 | 76- 98  | 87    | 3                 | 1-1     | 1.0   | 4                       | 0.4-3.9 | 1.78  |
| 84           | IRAT 129               | 5                   | 100-134 | 113   | 0           | -   | 0 | 4                 | 72-100  | 91    | 3                 | 1-1     | 1.0   | 4                       | 0.3-4.1 | 1.83  |
| 85           | IR 13358-16-3-2        | 4                   | 100-116 | 110   | 0           | -   | 0 | 4                 | 84-111  | 99    | 3                 | 1-1     | 1.0   | 4                       | 0.6-4.5 | 1.98  |
| 86           | IR 4570-83-3-3-2       | 4                   | 100-120 | 112   | 0           | -   | 0 | 4                 | 77-103  | 92    | 3                 | 1-3     | 1.7   | 4                       | 0.1-4.5 | 2.40  |
| 87           | CR 1024                | 5                   | 100-128 | 113   | 0           | -   | 0 | 4                 | 87-107  | 98    | 3                 | 1-7     | 3.0   | 4                       | 1.2-4.0 | 2.58  |
| 88           | IR 8098-41-3           | 5                   | 99-120  | 107   | 0           | -   | 0 | 4                 | 94-102  | 98    | 3                 | 1-7     | 3.0   | 4                       | 0.7-4.0 | 2.58  |
| 89           | IR 4595-4-1-15         | 5                   | 100-118 | 111   | 0           | -   | 0 | 4                 | 94-103  | 98    | 3                 | 1-1     | 1.0   | 4                       | 0.3-4.0 | 1.70  |
| 90           | P 2023 F4-65-18-1B     | 5                   | 100-126 | 113   | 0           | -   | 0 | 4                 | 84- 97  | 91    | 3                 | 1-1     | 1.0   | 4                       | 1.2-4.3 | 2.35  |
| 91           | P 2030 F4-67-18-1B     | 5                   | 100-131 | 115   | 0           | -   | 0 | 3                 | 85-100  | 88    | 3                 | 1-1     | 1.0   | 4                       | 0.7-4.5 | 2.10  |
| 92           | IR 13149-71-3-2        | 5                   | 100-129 | 112   | 0           | -   | 0 | 4                 | 80-101  | 89    | 3                 | 1-1     | 1.0   | 4                       | 1.2-4.3 | 1.80  |
| 93           | P 1329-2-10M-3-1B      | 5                   | 100-123 | 114   | 0           | -   | 0 | 4                 | 85-105  | 96    | 3                 | 1-1     | 1.0   | 4                       | 0.8-4.3 | 1.90  |
| 94           | IR 5793-55-1-1-1       | 5                   | 100-126 | 116   | 0           | -   | 0 | 4                 | 84- 98  | 91    | 3                 | 1-5     | 2.3   | 4                       | 1.4-3.0 | 1.98  |
| 95           | P 2030 F4-231-18-1B    | 5                   | 100-129 | 113   | 0           | -   | 0 | 4                 | 80- 96  | 88    | 3                 | 1-1     | 1.0   | 4                       | 0.4-3.7 | 1.53  |

a. Localidades: 2 = Villavicencio (Colombia), 9 = Cañas (Costa Rica)  
Incidencia de piricularia según escala internacional 0-9: 0 = resistente, 9 = susceptible

Cuadro 4.10 Líneas del VIOAL-SNF, 1982, tolerantes a sequía en 4 localidades de Secano no Favorecido en América Latina. <sup>a</sup>

| Línea no.       | Designación         | Origen       | Nº de localidad/Sequía <sup>b</sup> |   |    |    |         | Floración (días) |
|-----------------|---------------------|--------------|-------------------------------------|---|----|----|---------|------------------|
|                 |                     |              | 7                                   | 9 | 11 | 13 | Min-Max |                  |
| 3               | IR 9752-1-2-1       | IRRI         | 3                                   | 5 | 1  | 3  | 1-5     | 87               |
| 8               | Nam Sagui           | Tailandia    | 4                                   | 3 | 3  | 5  | 3-5     | 99               |
| 9               | CR 156-5021-207     | India        | 4                                   | 1 | 1  | 3  | 1-4     | 98               |
| 10              | IR 7473-118-2-2-3   | IRRI         | 5                                   | 1 | 1  | 3  | 1-5     | 96               |
| 12              | IR 9256-59          | IRRI         | 4                                   | 1 | 3  | 3  | 1-4     | 98               |
| 13              | IAC 1246            | Brasil       | 4                                   | 1 | 1  | 3  | 1-4     | 99               |
| 14              | IR 6115-1-1-1       | IRRI         | 4                                   | 3 | 1  | 3  | 1-4     | 92               |
| 15              | Seratus Malam       | Indonesia    | 4                                   | 3 | 1  | 3  | 1-4     | 94               |
| 34              | IR 841-67-1         | IRRI         | 3                                   | 1 | 1  | 3  | 1-3     | 102              |
| 35              | IR 9852-18-1        | IRRI         | 3                                   | 3 | 3  | 3  | 3-3     | 110              |
| 36              | IRAT 127            | Costa Marfil | 3                                   | 1 | 1  | 3  | 1-3     | 102              |
| 52              | IR 5105-156-2-3     | IRRI         | 4                                   | 1 | 1  | 5  | 1-5     | 101              |
| 53              | IRAT 138            | Costa Marfil | 3                                   | 1 | 3  | 3  | 1-3     | 107              |
| 58              | P 2030 F4-235-1B-1B | CIAT-ICA     | 4                                   | 3 | 1  | 3  | 1-4     | 109              |
| 68              | IR 9217-58-2-2      | IRRI         | 3                                   | 0 | 3  | 3  | 0-3     | 111              |
| 75              | P 1386-2-6M-5-1B    | CIAT-ICA     | 5                                   | 3 | 3  | 3  | 3-5     | 108              |
| 81              | P 1332-3-8M-1-1B    | CIAT-ICA     | 5                                   | 0 | 1  | 3  | 0-5     | 113              |
| 88              | IR 8098-41-3        | IRRI         | 2                                   | 3 | 1  | 5  | 1-5     | 108              |
| <u>TESTIGOS</u> |                     |              |                                     |   |    |    |         |                  |
|                 | Salumpikit          | Filipinas    | 5                                   | 5 | 1  | 5  | 1-5     | 88               |
|                 | IAC 47              | Brasil       | 5                                   | 9 | 1  | 5  | 1-9     | 95               |
|                 | Monoloya            | Colombia     | 5                                   | 5 | 5  | 3  | 3-5     | 99               |
|                 | Sein Ta Lay         | Birmania     | 5                                   | 5 | 3  | 3  | 3-5     | 109              |

a. Datos de: 7 = Santa Cruz (Salvador); 9 = Cañas (Costa Rica); 11 = Tocumen (Panamá); 13= Coclé (Panamá)

b. Escala de 1-9; 1 = resistente, 9 = susceptible

Cuadro 4.11 Líneas del VIOAL-SNF, 1982, sembradas en Secano no Favorecido, tolerantes a enfermedades en 4 localidades de América Latina. <sup>a</sup>

| Línea no.       | Designación            | Origen       | Enfermedades <sup>b</sup> |     |     |    |     |    |     | Floración (días) |
|-----------------|------------------------|--------------|---------------------------|-----|-----|----|-----|----|-----|------------------|
|                 |                        |              | B1                        | NB1 | ShB | BS | LSc | HB | GID |                  |
| 13              | IAC 1246               | Brasil       | 0                         | 3   | 4   | 3  | 3   | 2  | 3   | 95               |
| 17              | BR 51-282-8            | B'desh       | 0                         | 4   | 4   | 3  | 3   | 1  | 3   | 98               |
| 31              | BR 10 (BR 51-46-5)     | B'desh       | 0                         | 2   | 3   | 2  | 2   | 1  | 3   | 103              |
| 54              | IRAT 122               | Costa Marfil | 0                         | 1   | 2   | 3  | 4   | 2  | 3   | 102              |
| 63              | Chianung SI-PI 661020  | Taiwan       | 0                         | 0   | 2   | 3  | 5   | -  | 4   | 98               |
| 66              | IR 2058-435-3-2-2-2    | IRRI         | 0                         | 0   | 3   | 2  | 3   | -  | 3   | 107              |
| 68              | IR 9217-58-2-2         | IRRI         | 0                         | 0   | 2   | 1  | 2   | -  | 3   | 106              |
| 69              | IET 4082 (CR 138-1040) | India        | 0                         | 0   | 3   | 2  | 4   | -  | 5   | 103              |
| 70              | IR 14632-2-3           | IRRI         | 1                         | 1   | 2   | 3  | 4   | -  | 4   | 104              |
| 72              | PR 106                 | India        | 0                         | 0   | 1   | 4  | 4   | -  | 5   | 107              |
| 87              | CR 1024                | India        | 0                         | 0   | 3   | 2  | 3   | -  | 3   | 110              |
| 88              | IR 8098-41-3           | IRRI         | 0                         | 0   | 2   | 2  | 5   | -  | 3   | 104              |
| 92              | IR 13149-71-3-2        | IRRI         | 0                         | 0   | 1   | 3  | 4   | -  | 4   | 108              |
| <u>TESTIGOS</u> |                        |              |                           |     |     |    |     |    |     |                  |
|                 | Salumpikit             | Filipinas    | 0                         | 5   | 5   | 3  | 4   | 2  | 5   | 88               |
|                 | IAC 47                 | Brasil       | 5                         | 7   | 3   | 4  | 6   | 2  | 5   | 90               |
|                 | Monolaya               | Colombia     | 4                         | 5   | 3   | 3  | 4   | 3  | 5   | 96               |
|                 | Sein Ta Lay            | Birmania     | 0                         | 5   | 2   | 3  | 3   | 0  | 2   | 107              |

a. Datos de 4 localidades: Villavicencio (Colombia), Cañas (Costa Rica), Tocumen (Panamá), Cuyuta (Guatemala)

b. Según escala de 0-9: 0 = Resistente; 9 = Susceptible

B1 : Cañas (Costa Rica),

NB1 : La Libertad (Villavicencio, Colombia), Cañas (Costa Rica)

ShB : Tocumen (Panamá), Cañas (Costa Rica)

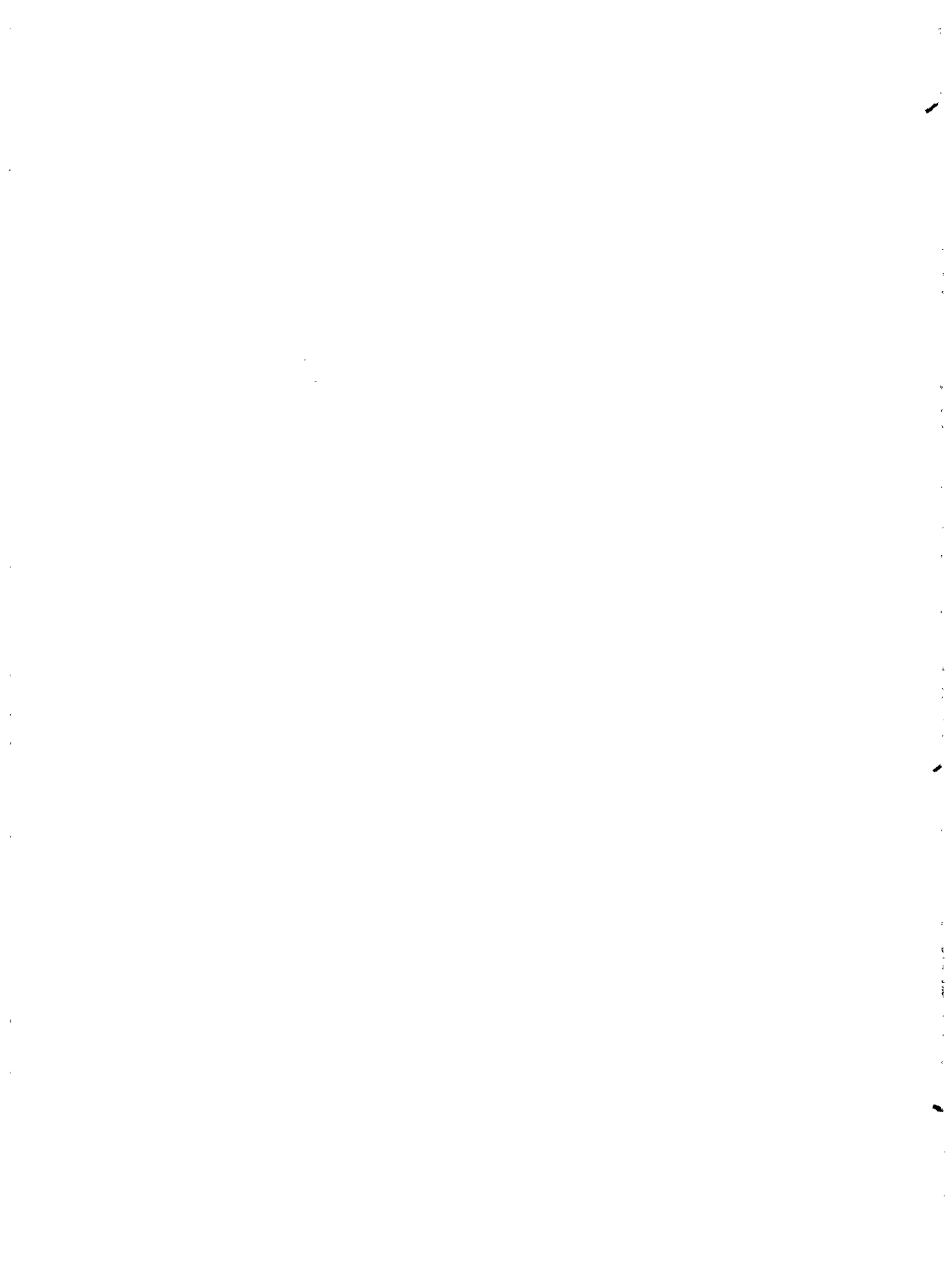
BS, LSc: Villavicencio (Colombia), Cañas (Costa Rica), Tocumen (Panamá), Cuyuta (Guatemala)

HB : Villavicencio (Colombia)

GID : Villavicencio (Colombia), Tocumen (Panamá), Cuyuta (Guatemala)



**Primer Vivero Internacional  
de Observación de Arroz  
para el Virus Hoja Blanca  
en América Latina  
(VIOAL-HB, 1982)**



## PRIMER VIVERO DE OBSERVACIÓN DE ARROZ PARA EL

### VIRUS HOJA BLANCA EN AMÉRICA LATINA

(VIOAL-HB, 1982)

El Vivero de Observación de Arroz para el virus Hoja blanca en América Latina (VIOAL-HB), distribuido en 1982, estuvo formado con 74 líneas promisorias del Programa de Arroz del CIAT. La mayoría de estas líneas posee una de las tres fuentes consideradas como resistentes al virus hoja blanca, CICA 7, Colombia 1, y Pelita 1/1. Se incluyeron como testigos resistentes a ICA 10 y CICA 7 y como susceptibles a Bluebonnet 50, CICA 8 y Bg 90-2. Todas las líneas en prueba son resistentes al daño directo del vector *Sogatodes oryzicola*. En el Cuadro 5.1 se indica el origen del germoplasma.

El VIOAL-HB fue sembrado en 4 países de América del Sur, Colombia, Ecuador, Perú y Venezuela (Cuadro 5.2), en donde la hoja blanca está ocasionando serios problemas. En el Cuadro 5.3 se indican la fecha de siembra, fertilización y sistema de cultivo en las 4 localidades.

En Ecuador y Perú, el vivero fue sembrado en 3 épocas escalonadas a 20 días. En Venezuela una época de siembra en dos repeticiones. En Colombia, el vivero fue sembrado en una época, pero para la evaluación de la hoja blanca se tuvo en cuenta también la incidencia observada en las líneas sembradas en parcelas de observación y ensayos de rendimiento. En el Cuadro 5.4 se reporta la incidencia de hoja blanca observada después de la floración en las 4 localidades. La incidencia de hoja blanca fue severa en Bagua, Perú y en Guayas, Ecuador, en las 3 épocas de siembra, especialmente a la floración. Por el contrario, en ICA-La Libertad, Colombia, la incidencia de hoja blanca fue baja en el vivero, pero en las parcelas de observación y ensayos de rendimiento que incluían a todo el germoplasma del vivero, la incidencia fue alta. En Calabozo, Venezuela, la incidencia del virus fue moderada.

En Guayas (Ecuador), todas las líneas resultaron susceptibles al virus, incluyendo al testigo resistente CICA 7. Similares resultados se obtuvieron en Bagua (Perú). En estas localidades ICA 10 fue altamente resistente.

En ICA-La Libertad (Colombia) y en Calabozo (Venezuela), resultaron líneas resistentes, tolerantes y susceptibles.

Analizando la reacción del germoplasma a la hoja blanca en las cuatro localidades, se encontraron los siguientes casos:

- a) Líneas resistentes en Colombia y susceptibles en Ecuador, Perú y Venezuela (Cuadro 5.5). Este caso indica aparentemente la presencia de una nueva raza del virus, pero a la vez la resistencia de ciertas líneas puede ser el resultado de un escape al insecto vector o a una dosis baja del virus. Por lo tanto, es necesario comprobar la resistencia de estos materiales con una dosis alta del virus.
- b) Líneas susceptibles en las cuatro localidades (Cuadro 5.6), con una reacción similar a los testigos susceptibles.
- c) Líneas con diferente reacción a la hoja blanca (Cuadro 5.7). Hay líneas resistentes en Venezuela y susceptibles en los otros países: resistentes en Venezuela y Colombia, y susceptibles en Ecuador y Perú; resistentes en Colombia y tolerantes en Perú, pero susceptibles en Ecuador y Venezuela. Estas discrepancias probablemente son el resultado de una dosis baja del virus.

La susceptibilidad de CICA 7 en Ecuador, Perú y Venezuela es de esperarse ya que esta variedad es susceptible en pruebas de laboratorio cuando está expuesta a dosis altas del virus o en condiciones de campo bajo una fuerte presión. ICA 10 fue la única fuente de resistencia que funcionó en las 4 localidades.

Si la resistencia de los materiales en ICA-La Libertad, es el resultado de una dosis baja del virus, esto indica que la evaluación a hoja blanca en condiciones de campo no es confiable, y por lo tanto, es crítica la necesidad de desarrollar una metodología que permita evaluar eficientemente la resistencia en condiciones de laboratorio, o de desarrollar una metodología que permita obtener una presión alta del virus en condiciones de campo.

Cuadro 5.1 Germoplasma del Primer Vivero de Observación para el virus Hoja blanca en América Latina (VIOAL-HB, 1982)

| Línea no. | Designación                    | Cruce                      | Origen    |
|-----------|--------------------------------|----------------------------|-----------|
| 1         | P 2023 F4-74-2-1B              | BG 90-2//4440/CICA 7       | Colombia  |
| 2         | P 2030 F4-217-4-1B             | CICA 4//4440/CICA 7        | Colombia  |
| 3         | P 2030 F4-222-1-1B             | CICA 4//4440/CICA 7        | Colombia  |
| 4         | P 2030 F4-222-2-1B             | CICA 4//4440/CICA 7        | Colombia  |
| 5         | P 2030 F4-243-4-1B             | CICA 4//4440/CICA 7        | Colombia  |
| 6         | P 2025 F4-159-3-1B             | CICA 4//CICA 9/CICA 7      | Colombia  |
| 7         | P 2034 F4-25-6-1B              | 4422//BG 90-2/CICA 4       | Colombia  |
| 8         | P 2030 F4-226-1-1B             | CICA 4//4440/CICA 7        | Colombia  |
| 9         | P 2177 F4-44-5-1B              | BG 90-2//K 8/Bahagia       | Colombia  |
| 10        | P 2180 F4-82-5-1B              | 4440//BG 90-2/S.M.L.56/7   | Colombia  |
| 11        | Bluebonnet 50 (T. susceptible) |                            | U. S. A.  |
| 12        | ICA 10 (T.resistente)          |                            | Colombia  |
| 13        | CICA 8 (T.susceptible)         |                            | Colombia  |
| 14        | CICA 7 (T.resistente)          |                            | Colombia  |
| 15        | BG 90-2 (T.susceptible)        |                            | Sri Lanka |
| 16        | P 2181 F4-75-6-1B              | 4440//BG 90-2/IR 22        | Colombia  |
| 17        | P 2186 F4-54-1-1B              | 4440//BG 90-2/Colombia 1   | Colombia  |
| 18        | P 2189 F4-64-1-1B              | 4440//BG 90-2/Bahagia      | Colombia  |
| 19        | P 2192 F4-30-2-1B              | CICA 7//BG 90-2/K 8        | Colombia  |
| 20        | P 2192 F4-37-1-1B              | CICA 7//BG 90-2/K 8        | Colombia  |
| 21        | P 2192 F4-37-3-1B              | CICA 7//BG 90-2/K 8        | Colombia  |
| 22        | P 2192 F4-46-8-1B              | CICA 7//BG 90-2/K 8        | Colombia  |
| 23        | P 2201 F4-63-3-1B              | CICA 4//BG 90-2/S.M.L.56/7 | Colombia  |
| 24        | P 2201 F4-78-6-1B              | CICA 4//BG 90-2/S.M.L.56/7 | Colombia  |
| 25        | P 2216 F4-12-4-1B              | CICA 9//4440/Remadja       | Colombia  |
| 26        | Bluebonnet 50 (T.susceptible)  |                            | U.S.A.    |
| 27        | ICA 10 (T.resistente)          |                            | Colombia  |
| 28        | CICA 8 (T.susceptible)         |                            | Colombia  |
| 29        | CICA 7 (T.resistente)          |                            | Colombia  |
| 30        | BG 90-2 (T.susceptible)        |                            | Sri Lanka |

Continúa..

Cuadro 5.1 (Continuación)

| Línea no. | Designación                   | Cruce                   | Origen    |
|-----------|-------------------------------|-------------------------|-----------|
| 31        | P 2217 F4-30-4-1B             | CICA 7//4440/Remadja    | Colombia  |
| 32        | P 2217 F4-45-7-1B             | CICA 7//4440/Remadja    | Colombia  |
| 33        | P 2217 F4-2-1-1B              | CICA 7//4440/Remadja    | Colombia  |
| 34        | P 2217 F4-44-7-1B             | CICA 7//4440/Remadja    | Colombia  |
| 35        | P 2231 F4-4-7-1B              | CICA 7//4440/Pelita 1/1 | Colombia  |
| 36        | P 2231 F4-13-2-1B             | CICA 7//4440/Pelita 1/1 | Colombia  |
| 37        | P 2231 F4-45-6-1B             | CICA 7//4440/Pelita 1/1 | Colombia  |
| 38        | P 2231 F4-45-8-1B             | CICA 7//4440/Pelita 1/1 | Colombia  |
| 39        | P 2231 F4-138-1-1B            | CICA 7//4440/Pelita 1/1 | Colombia  |
| 40        | P 2231 F4-138-2-1B            | CICA 7//4440/Pelita 1/1 | Colombia  |
| 41        | Bluebonnet 50 (T.susceptible) |                         | U. S. A.  |
| 42        | ICA 10 (T.resistente)         |                         | Colombia  |
| 43        | CICA 8 (T.susceptible)        |                         | Colombia  |
| 44        | CICA 7 (T.resistente)         |                         | Colombia  |
| 45        | BG 90-2 (T.susceptible)       |                         | Sri Lanka |
| 46        | P 2231 F4-138-6-1B            | CICA 7//4440/Pelita 1/1 | Colombia  |
| 47        | P 2015 F4-128-5-4-1B          | 4440//BG 90-2/CICA 7    | Colombia  |
| 48        | P 2016 F4-87-5-5-1B           | CICA 9//BG 90-2/CICA 7  | Colombia  |
| 49        | P 2023 F4-16-5-1-1B           | BG 90-2//4440/CICA 7    | Colombia  |
| 50        | P 2025 F4-93-1-5-1B           | CICA 4//CICA 9/CICA 7   | Colombia  |
| 51        | P 2025 F4-93-2-2-1B           | CICA 4//CICA 9/CICA 7   | Colombia  |
| 52        | P 2025 F4-93-2-5-1B           | CICA 4//CICA 9/CICA 7   | Colombia  |
| 53        | P 2026 F4-49-2-1-1-B          | BG 90-2//CICA 9/CICA 7  | Colombia  |
| 54        | P 2026 F4-49-5-5-1B           | BG 90-2//CICA 9/CICA 7  | Colombia  |
| 55        | P 2030 F4-88-1-2-1B           | CICA 4//4440/CICA 7     | Colombia  |
| 56        | Bluebonnet 50 (T.susceptible) |                         | U. S. A.  |
| 57        | ICA 10 (T.resistente)         |                         | Colombia  |
| 58        | CICA 8 (T.susceptible)        |                         | Colombia  |
| 59        | CICA 7 (T.resistente)         |                         | Colombia  |
| 60        | BG 90-2 (T.susceptible)       |                         | Sri Lanka |

Continúa...

Cuadro 5.1 (Continuación)

| Línea no. | Designación                   | Cruce                    | Origen    |
|-----------|-------------------------------|--------------------------|-----------|
| 61        | P 2034 F4-65-2-4-1B           | 4422//BG 90-2/CICA 4     | Colombia  |
| 62        | P 2180 F4-7-5-1B              | 4440//BG 90-2/S.M.L.56/7 | Colombia  |
| 63        | P 2186 F4-2-2-1B              | 4440//BG 90-2/Colombia 1 | Colombia  |
| 64        | P 2186 F4-19-2-1B             | 4440//BG 90-2/Colombia 1 | Colombia  |
| 65        | F4-1-1B-1B-5-1B               | Composite                | Colombia  |
| 66        | P 2177 F4-48-1B-1B-1-1B       | BG 90-2//K 8/Bahagia     | Colombia  |
| 67        | P 2177 F4-48-1B-1B-7-1B       | BG 90-2//K 8/Bahagia     | Colombia  |
| 68        | P 2180 F4-55-1B-1B-4-1B       | 4440//BG 90-2/S.M.L.56/7 | Colombia  |
| 69        | P 2181 F4-40-1B-1B-1-1B       | 4440//BG 90-2/IR 22      | Colombia  |
| 70        | P 2182 F4-39-1B-1B-4-1B       | 4440//BG 90-2/Pelita 1/1 | Colombia  |
| 71        | Bluebonnet 50 (T.susceptible) |                          | U. S. A.  |
| 72        | ICA 10 (T.resistente)         |                          | Colombia  |
| 73        | CICA 8 (T.susceptible)        |                          | Colombia  |
| 74        | CICA 7 (T.resistente)         |                          | Colombia  |
| 75        | BG 90-2 (T.susceptible)       |                          | Sri Lanka |
| 76        | P 2182 F4-39-1B-1B-6-1B       | 4440//BG 90-2/Pelita 1/1 | Colombia  |
| 77        | P 2182 F4-49-1B-1B-1-1B       | 4440//BG 90-2/Pelita 1/1 | Colombia  |
| 78        | P 2182 F4-49-1B-1B-8-1B       | 4440//BG 90-2/Pelita 1/1 | Colombia  |
| 79        | P 2189 F4-27-1B-1B-1-1B       | 4440//BG 90-2/Bahagia    | Colombia  |
| 80        | P 2189 F4-64-1B-1B-3-1B       | 4440//BG 90-2/Bahagia    | Colombia  |
| 81        | P 2192 F4-30-1B-1B-1-1B       | CICA 7//BG 90-2/K 8      | Colombia  |
| 82        | P 2192 F4-30-1B-4-1B          | CICA 7//BG 90-2/K 8      | Colombia  |
| 83        | P 2192 F4-30-1B-1B-5-1B       | CICA 7//BG 90-2/K 8      | Colombia  |
| 84        | P 2192 F4-37-1B-1B-7-1B       | CICA 7//BG 90-2/K 8      | Colombia  |
| 85        | P 2192 F4-37-1B-1B-11-1B      | CICA 7//BG 90-2/K 8      | Colombia  |
| 86        | Bluebonnet 50 (T.susceptible) |                          | U. S. A.  |
| 87        | ICA 10 (T. resistente)        |                          | Colombia  |
| 88        | CICA 8 (T.susceptible)        |                          | Colombia  |
| 89        | CICA 7 (T.resistente)         |                          | Colombia  |
| 90        | BG 90-2 (T.susceptible)       |                          | Sri Lanka |

Continúa...

Cuadro 5.1 (Continuación)

| Línea no. | Designación                   | Cruce                  | Origen   |
|-----------|-------------------------------|------------------------|----------|
| 91        | P 2192 F4-37-1B-1B-13-1B      | CICA 7//BG 90-2/K 8    | Colombia |
| 92        | P 2193 F4-10-1B-1B-3-1B       | 4440/BG 90-2/K 8       | Colombia |
| 93        | P 2193 F4-22-1B-1B-5-1B       | 4440//BG 90-2/K 8      | Colombia |
| 94        | P 2193 F4-158-1B-1B-7-1B      | 4440//BG 90-2/K 8      | Colombia |
| 95        | P 2195 F4-107-1B-1B-1-1B      | 4440//BG 90-2/K 8      | Colombia |
| 96        | P 2015 F4-108-4-1B            | 4440//BG 90-2/CICA 7   | Colombia |
| 97        | P 2017 F4-140-3-1B            | CICA 4//BG 90-2/CICA 7 | Colombia |
| 98        | P 2019 F4-24-7-1B             | BG 90-2//CICA 9/CICA 9 | Colombia |
| 99        | P 2019 F4-72-3-1B             | BG 90-2//CICA 9/CICA 9 | Colombia |
| 100       | P 2023 F4-20-2-1B             | BG 90-2//4440/CICA 7   | Colombia |
| 101       | Bluebonnet 50 (T.susceptible) |                        | U. S. A. |
| 102       | ICA 10 (T.resistente)         |                        | Colombia |
| 103       | CICA 8 (T.susceptible)        |                        | Colombia |
| 104       | CICA 7 (T.resistente)         |                        | Colombia |
| 105       | BG 90-2 (T.susceptible)       |                        | Colombia |
| 106       | P 2023 F4-20-9-1B             | BG 90-2//4440/CICA 7   | Colombia |
| 107       | P 2023 F4-53-1-1B             | BG 90-2//4440/CICA 7   | Colombia |
| 108       | P 2023 F4-53-4-1B             | BG 90-2//4440/CICA 7   | Colombia |
| 109       | P 2023 F4-53-8-1B             | BG 90-2//4440/CICA 7   | Colombia |



Cuadro 5.2 Localidades en donde se sembró el Primer Vivero de Observación para el Virus Hoja Blanca en América Latina (VIOAL-HB, 1982).

| Prueba no. | País      | Localidad     | Estación Experimental/Cooperador                     | Lat.  | Long.  | Altitud (msnm) |
|------------|-----------|---------------|--|-------|--------|----------------|
| 1          | Colombia  | Villavicencio | ICA-La Libertad/Ernesto Andrade-Alberto Dávalos      | 4-03N | 73-29W | 336            |
| 2          | Venezuela | Calabozo      | Calabozo/Alberto Salih                               | 8-56N | 67-25W | 100            |
| 3          | Ecuador   | Guayas        | Hacienda Sausalito/Fernando Armijos-Fernando Sánchez | 2-15S | 79-28W | 14             |
| 4          | Perú      | Bagua Chica   | Huarangopampa/Juan Francisco Chiroque                | 2-40S | 78-36W | 450            |

Cuadro 5.3 Información sobre época de siembra y prácticas de cultivo del Primer Vivero de Observación para el Virus de Hoja Blanca en América Latina (VIOAL, 1982).

| Prueba no. | Fecha de siembra                               | Precipitación |     | Fertilización (kg/ha) |    |    | Sistema de cultivo | Protección contra insectos | Insectos   | Enfermedades |
|------------|--|---------------|-----|-----------------------|----|----|--------------------|----------------------------|--|--------------|
|            |  | Días          | mm  | N                     | P  | K  |                    |                            |  |              |
| 1          | Junio 23-82<br>Julio 21-82                     |               |     | 120                   | 52 | 66 | Riego<br>Riego     |                            |  | Hb           |
| 2          | Marzo 4-82                                     |               |     |                       |    |    | Riego              |                            |  | Hb           |
| 3          | Agosto 2-82                                    |               |     | 120                   |    |    | Riego              | Ninguna                    | <i>Sogatodes oryzicola</i> ,<br><i>Rupella albinella</i> |              |
| 4          | Julio 31-82<br>Agosto 17-82<br>Septiembre 9-82 | 22            | 175 | 240                   | -  | -  | Riego              | Ninguna                    | <i>Sogatodes oryzicola</i> ,<br><i>Hydrellia sp.</i>     | Hb, BL       |

Cuadro 5.4 Incidencia de hoja blanca en el germoplasma del Vivero de Observación VIOAL-HB, 1982, en cuatro localidades de América del Sur.

|           |                    | Número de la localidad <sup>a</sup> / Reacción a hoja blanca <sup>b</sup> |    |       |              |    |       |         |    |    |       |         |    |    |       |
|-----------|--------------------|---|----|-------|--------------|----|-------|---------|----|----|-------|---------|----|----|-------|
|           |                    | 1 <sup>c</sup>  |    |       | 2            |    |       | 3       |    |    |       | 4       |    |    |       |
| Línea no. | Designación        |   |    |       | Repeticiones |    |       | Epoocas |    |    |       | Epoocas |    |    |       |
|           |                    | 1º  | 2º | Prom. | I            | II | Prom. | 1º      | 2º | 3º | Prom. | 1º      | 2º | 3º | Prom. |
| 1         | P 2023 F4-74-2-1B  | 1   | 1  | 1.0   | 6            | 3  | 4.5   | 7       | 5  | 7  | 6.3   | 2       | 5  | 5  | 4.0   |
| 2         | P 2030 F4-217-4-1B | 2   | 1  | 1.5   | 6            | 4  | 5.0   | 7       | 5  | 5  | 5.6   | 2       | 5  | 5  | 4.0   |
| 3         | P 2030 F4-222-1-1B | 0   | 1  | 0.5   | 3            | 5  | 4.0   | 5       | 5  | 5  | 5.0   | 3       | 5  | 5  | 4.3   |
| 4         | P 2030 F4-222-2-1B | 0   | 1  | 0.5   | 6            | 4  | 5.0   | 5       | 5  | 5  | 5.0   | 3       | 7  | 7  | 5.6   |
| 5         | P 2030 F4-243-4-1B | 0   | 1  | 0.5   | 7            | 3  | 5.0   | 5       | 5  | 5  | 5.0   | 7       | 7  | 5  | 6.3   |
| 6         | P 2025 F4-159-3-1B | 0   | 1  | 0.5   | 4            | 4  | 4.0   | 5       | 5  | 7  | 5.6   | 7       | 7  | 5  | 6.3   |
| 7         | P 2034 F4-25-6-1B  | 7   | 5  | 6.0   | 3            | 5  | 4.0   | 7       | 7  | 7  | 7.0   | 7       | 7  | 7  | 7.0   |
| 8         | P 2030 F4-226-1-1B | 0   | 1  | 0.5   | 2            | 5  | 3.5   | 7       | 7  | 7  | 7.0   | 5       | 7  | 7  | 6.3   |
| 9         | P 2177 F4-44-5-1B  | 4   | 1  | 2.5   | 6            | 4  | 5.0   | 7       | 7  | 7  | 7.0   | 7       | 7  | 7  | 7.0   |
| 10        | P 2180 F4-82-5-1B  | 2   | 1  | 1.5   | 6            | 4  | 5.0   | 7       | 7  | 7  | 7.0   | 2       | 7  | 7  | 5.3   |
| 16        | P 2181 F4-75-6-1B  | 7   | 2  | 4.5   | 7            | 4  | 5.5   | 7       | 7  | 7  | 7.0   | 7       | 7  | 9  | 7.6   |
| 17        | P 2186 F4-54-1-1B  | 6   | 1  | 3.5   | 7            | 2  | 4.5   | 5       | 5  | 7  | 5.6   | 2       | 7  | 5  | 5.6   |
| 18        | P 2189 F4-64-1-1B  | 1   | 0  | 0.5   | 6            | 2  | 4.0   | 5       | 7  | 7  | 6.3   | 2       | 7  | 5  | 5.6   |
| 19        | P 2192 F4-30-2-1B  | 5   | 3  | 4.0   | 4            | 0  | 2.0   | 5       | 5  | 7  | 5.6   | 2       | 7  | 3  | 4.0   |
| 20        | P 2192 F4-37-1-1B  | 8   | 2  | 5.0   | 3            | 5  | 4.0   | 5       | 7  | 7  | 6.3   | 7       | 7  | 5  | 6.3   |
| 21        | P 2192 F4-37-3-1B  | 9   | 2  | 5.5   | 4            | 5  | 4.5   | 7       | 7  | 7  | 7.0   | 7       | 7  | 7  | 7.0   |
| 22        | P 2192 F4-46-8-1B  | 7   | 2  | 4.5   | 3            | 5  | 4.0   | 7       | 7  | 7  | 7.0   | 5       | 5  | 5  | 5.0   |
| 23        | P 2201 F4-63-3-1B  | 6   | 0  | 3.0   | 3            | 4  | 3.5   | 7       | 7  | 5  | 6.3   | 5       | 5  | 5  | 5.0   |
| 24        | P 2201 F4-78-6-1B  | 4   | 2  | 3.0   | 2            | 4  | 3.0   | 7       | 7  | 7  | 7.0   | 5       | 5  | 5  | 5.0   |
| 25        | P 2216 F4-12-4-1B  | 8   | 7  | 7.5   | 4            | 5  | 4.5   | 7       | 7  | 7  | 7.0   | 7       | 7  | 7  | 7.0   |
| 31        | P 2217 F4-30-4-1B  | 2   | 2  | 2.0   | 3            | 5  | 4.0   | 7       | 7  | 5  | 6.3   | 3       | 5  | 5  | 4.3   |
| 32        | P 2217 F4-45-7-1B  | 2   | 2  | 2.0   | 5            | 4  | 4.5   | 7       | 5  | 7  | 6.3   | 5       | 5  | 5  | 5.0   |
| 33        | P 2217 F4-2-1-1B   | 7   | 2  | 4.5   | 4            | 4  | 4.0   | 7       | 7  | 9  | 7.6   | 7       | 7  | 9  | 7.6   |
| 34        | P 2217 F4-44-7-1B  | 5   | 3  | 4.0   | 6            | 0  | 3.0   | 7       | 7  | 7  | 7.0   | 5       | 7  | 7  | 6.3   |
| 35        | P 2231 F4-4-7-1B   | 2   | 1  | 1.5   | 4            | 5  | 4.5   | 7       | 7  | 7  | 7.0   | 5       | 7  | 7  | 6.3   |
| 36        | P 2231 F4-13-2-1B  | 1   | 1  | 1.0   | 5            | 4  | 4.5   | 7       | 7  | 7  | 7.0   | 3       | 5  | 5  | 4.3   |

-147-

Continúa...

Cuadro 5.4 (Continuación)

| Línea<br>no. | Designación             | 1 <sup>c</sup> |    | 2     |              |    | 3     |        |    |    | 4     |        |    |    |       |
|--------------|-------------------------|----------------|----|-------|--------------|----|-------|--------|----|----|-------|--------|----|----|-------|
|              |                         | 1º             | 2º | Prom. | Repeticiones |    |       | Epocas |    |    |       | Epocas |    |    |       |
|              |                         |                |    |       | I            | II | Prom. | 1º     | 2º | 3º | Prom. | 1º     | 2º | 3º | Prom. |
| 37           | P 2231 F4-45-6-1B       | 1              | 0  | 0.5   | 4            | 4  | 4.0   | 7      | 5  | 7  | 6.3   | 3      | 5  | 5  | 4.3   |
| 38           | P 2231 F4-45-8-1B       | 1              | 1  | 1.0   | 5            | 4  | 4.5   | 7      | 5  | 7  | 6.3   | 5      | 7  | 5  | 5.6   |
| 39           | P 2231 F4-138-1-1B      | 0              | 2  | 1.0   | 4            | 4  | 4.0   | 7      | 5  | 7  | 6.3   | 2      | 5  | 3  | 3.3   |
| 40           | P 2231 F4-138-2-1B      | 0              | 1  | 0.5   | 3            | 4  | 3.5   | 7      | 7  | 5  | 6.3   | 2      | 5  | 5  | 4.0   |
| 46           | P 2231 F4-138-6-1B      | 0              | 0  | 0.0   | 4            | 0  | 2.0   | 5      | 5  | 5  | 5.0   | 5      | 3  | 3  | 3.6   |
| 47           | P 2015 F4-128-5-4-1B    | 1              | 0  | 0.5   | 6            | 7  | 6.5   | 9      | 7  | 9  | 8.3   | 7      | 7  | 9  | 7.6   |
| 48           | P 2016 F4-87-5-5-1B     | 0              | 0  | 0.0   | 7            | 4  | 5.5   | 7      | 5  | 7  | 6.3   | 7      | 3  | 5  | 5.0   |
| 49           | P 2023 F4-16-5-1-1B     | 6              | 3  | 4.5   | 0            | 5  | 2.5   | 9      | 7  | 7  | 7.6   | 5      | 5  | 5  | 5.0   |
| 50           | P 2025 F4-93-1-5-1B     | 1              | 0  | 0.5   | 6            | 4  | 5.0   | 7      | 5  | 7  | 6.3   | 7      | 5  | 5  | 5.6   |
| 51           | P 2025 F4-93-2-2-1B     | 0              | 0  | 0.0   | 6            | 4  | 5.0   | 7      | 7  | 7  | 7.0   | 7      | 5  | 5  | 5.6   |
| 52           | P 2025 F4-93-2-5-1B     | 1              | 0  | 0.5   | 6            | 5  | 5.5   | 5      | 5  | 7  | 5.6   | 7      | 5  | 5  | 5.6   |
| 53           | P 2026 F4-49-2-1-1-B    | 7              | 6  | 6.5   | 6            | 7  | 6.5   | 9      | 7  | 7  | 7.6   | 7      | 5  | 5  | 5.6   |
| 54           | P 2026 F4-49-5-5-1B     | 1              | 0  | 0.5   | 6            | 6  | 6.0   | 9      | 7  | 7  | 7.6   | 7      | 9  | 5  | 7.0   |
| 55           | P 2030 F4-88-1-2-1B     | 0              | 0  | 0.0   | 4            | 5  | 4.5   | 9      | 5  | 7  | 7.0   | 5      | 7  | 5  | 5.6   |
| 61           | P 2034 F4-65-2-4-1B     | 7              | 6  | 6.5   | 7            | 6  | 6.5   | 9      | 5  | 7  | 7.0   | 7      | 7  | 7  | 7.0   |
| 62           | P 2180 F4-7-5-1B        | 3              | 0  | 1.5   | 6            | 5  | 5.5   | 7      | 5  | 9  | 7.0   | 5      | 7  | 5  | 5.6   |
| 63           | P 2186 F4-2-2-1B        | 6              | 3  | 4.5   | 3            | 4  | 3.5   | 7      | 5  | 7  | 6.3   | 9      | 9  | 7  | 8.3   |
| 64           | P 2186 F4-19-2-1B       | 5              | 2  | 3.5   | 5            | 5  | 5.0   | 7      | 5  | 9  | 7.0   | 7      | 9  | 5  | 7.0   |
| 65           | F4-1-1B-1B-5-1B         | 4              | 4  | 4.0   | 5            | 5  | 5.0   | 7      | 5  | 9  | 7.0   | 9      | 7  | 7  | 7.6   |
| 66           | P 2177 F4-48-1B-1B-1-1B | 7              | 1  | 4.0   | 5            | 6  | 5.5   | 7      | 5  | 7  | 6.3   | 7      | 7  | 5  | 6.3   |
| 67           | P 2177 F4-48-1B-1B-7-1B | 7              | 2  | 4.5   | 6            | 6  | 6.0   | 7      | -  | 7  | 7.0   | 7      | 7  | 3  | 5.6   |
| 68           | P 2180 F4-55-1B-1B-4-1B | 0              | 0  | 0.0   | 7            | 7  | 7.0   | 7      | -  | 9  | 8.0   | 7      | 5  | 3  | 5.0   |
| 69           | P 2181 F4-40-1B-1B-1-1B | 8              | 6  | 7.0   | 4            | 4  | 4.0   | 7      | -  | 7  | 7.0   | 9      | 7  | 5  | 7.0   |
| 70           | P 2182 F4-39-1B-1B-4-1B | 0              | 0  | 0.0   | 6            | 7  | 6.5   | 7      | -  | 7  | 7.0   | 5      | 7  | 3  | 5.0   |
| 76           | P 2182 F4-39-1B-1B-6-1B | 0              | 0  | 0.0   | 0            | 4  | 2.0   | 7      | 7  | 7  | 7.0   | 5      | 5  | 3  | 4.3   |
| 77           | P 2182 F4-49-1B-1B-1-1B | 0              | 0  | 0.0   | 6            | 6  | 6.0   | 7      | 7  | 7  | 7.0   | 5      | 5  | 3  | 4.3   |
| 78           | P 2182 F4-49-1B-1B-8-1B | 2              | 0  | 1.0   | 6            | 7  | 6.5   | 7      | 7  | 7  | 7.0   | 3      | 5  | 3  | 3.6   |
| 79           | P 2189 F4-27-1B-1B-1-1B | 0              | 0  | 0.0   | 0            | 6  | 3.0   | 7      | 7  | 9  | 7.6   | 5      | 5  | 3  | 4.3   |
| 80           | P 2189 F4-64-1B-1B-3-1B | 0              | 0  | 0.0   | 5            | 7  | 6.0   | 7      | 7  | 7  | 7.0   | 3      | 3  | 3  | 3.0   |

Continúa...

|                       |                          | Número de la localidad <sup>a</sup> / Reacción a hoja blanca <sup>b</sup> |     |       |              |     |       |        |     |     |       |        |     |     |       |
|-----------------------|--------------------------|---|-----|-------|--------------|-----|-------|--------|-----|-----|-------|--------|-----|-----|-------|
|                       |                          | 1 <sup>c</sup>  |     |       | 2            |     |       | 3      |     |     |       | 4      |     |     |       |
| Línea                 | Designación              |   |     |       | Repeticiones |     |       | Epocas |     |     |       | Epocas |     |     |       |
| no.                   |                          | 1º  | 2º  | Prom. | I            | II  | Prom. | 1º     | 2º  | 3º  | Prom. | 1º     | 2º  | 3º  | Prom. |
| 81                    | P 2192 F4-30-1B-1B-1-1B  | 6   | 1   | 3.5   | 5            | 0   | 2.5   | 7      | 7   | 9   | 7.6   | 5      | 5   | 3   | 4.3   |
| 82                    | P 2192 F4-30-1B-4-1B     | 8   | 6   | 7.0   | 4            | 4   | 4.0   | 7      | 7   | 7   | 7.0   | 5      | 5   | 5   | 5.0   |
| 83                    | P 2192 F4-30-1B-1B-5-1B  | 8   | 5   | 6.5   | 0            | 3   | 1.5   | 7      | 7   | 7   | 7.0   | 3      | 5   | 3   | 3.6   |
| 84                    | P 2192 F4-37-1B-1B-7-1B  | 9   | 6   | 7.5   | 0            | 4   | 2.0   | 9      | 7   | 7   | 7.6   | 7      | 7   | 3   | 5.6   |
| 85                    | P 2192 F4--7-1B-1B-11-1B | 9   | 1   | 5.0   | 4            | 7   | 5.5   | 7      | 7   | 7   | 7.0   | 5      | 7   | 5   | 5.6   |
| 91                    | P 2192 F4-37-1B-1B-13-1B | 7   | 0   | 3.5   | 7            | 4   | 5.5   | 7      | 9   | 9   | 8.3   | 5      | 7   | 5   | 5.6   |
| 92                    | P 2193 F4-10-1B-1B-3-1B  | 8   | 1   | 4.5   | 6            | 6   | 6.0   | 9      | 9   | 9   | 9.0   | 5      | 7   | 5   | 5.6   |
| 93                    | P 2193 F4-22-1B-1B-5-1B  | 8   | 4   | 6.0   | 6            | 5   | 5.5   | 9      | 9   | 9   | 9.0   | 5      | 7   | 5   | 5.6   |
| 94                    | P 2193 F4-158-1B-1B-7-1B | 8   | 5   | 6.5   | 6            | 6   | 6.0   | 9      | 7   | 9   | 8.3   | 5      | 7   | 7   | 6.3   |
| 95                    | P 2195 F4-107-1B-1B-1-1B | 0   | 1   | 0.5   | 3            | 4   | 3.5   | 9      | 9   | 9   | 9.0   | 5      | 7   | 5   | 5.6   |
| 96                    | P 2015 F4-108-4-1B       | 6   | 6   | 6.0   | 7            | 4   | 5.5   | 7      | 9   | 9   | 8.3   | 5      | 5   | 5   | 5.0   |
| 97                    | P 2017 F4-140-3-1B       | 0   | 0   | 0.0   | 4            | 4   | 4.0   | 7      | 9   | 7   | 7.6   | 5      | 5   | 5   | 5.0   |
| 98                    | P 2019 F4-24-7-1B        | 6   | 6   | 6.0   | 4            | 4   | 4.0   | 7      | 9   | 9   | 8.3   | 7      | 5   | 5   | 5.6   |
| 99                    | P 2019 F4-72-3-1B        | 6   | 6   | 6.0   | 5            | 3   | 4.0   | 9      | 5   | 9   | 7.6   | 5      | 7   | 5   | 5.6   |
| 100                   | P 2023 F4-20-2-1B        | 6   | 6   | 6.0   | 6            | 6   | 6.0   | 7      | 5   | 9   | 7.0   | 5      | 5   | 5   | 5.0   |
| 106                   | P 2023 F4-20-9-1B        | 3   | 3   | 3.0   | 3            | 7   | 5.0   | 7      | 9   | 9   | 8.3   | 5      | 5   | 5   | 5.0   |
| 107                   | P 2023 F4-53-1-1B        | 0   | 0   | 0.0   | 6            | 5   | 5.5   | 7      | 5   | 9   | 7.0   | 7      | 7   | 7   | 7.0   |
| 108                   | P 2023 F4-53-4-1B        | 0   | 0   | 0.0   | 6            | 6   | 6.0   | 7      | 5   | 9   | 7.0   | 7      | 7   | 7   | 7.0   |
| 109                   | P 2023 F4-53-8-1B        | 0   | 0   | 0.0   | 0            | 6   | 3.0   | 7      | 9   | 9   | 8.3   | 7      | 7   | 5   | 6.3   |
| Testigos <sup>d</sup> |                          |   |     |       |              |     |       |        |     |     |       |        |     |     |       |
|                       | Bluebonnet 50            | -   | 6.1 | 6.1   | 5.3          | 6.1 | 5.7   | 7.3    | 7.0 | 7.6 | 7.3   | 6.4    | 5.8 | 4.7 | 5.6   |
|                       | ICA 10                   | -   | 0.0 | 0.0   | 0.0          | 0.0 | 0.0   | 2.1    | 1.0 | 1.0 | 1.3   | 0.3    | 0.0 | 0.0 | 0.1   |
|                       | CICA 8                   | -   | 4.7 | 4.7   | 3.6          | 5.1 | 4.4   | 7.0    | 7.3 | 7.9 | 7.4   | 5.8    | 6.4 | 7.2 | 6.5   |
|                       | CICA 7                   | -   | 0.0 | 0.0   | 4.6          | 4.1 | 4.4   | 7.6    | 7.4 | 7.3 | 7.4   | 5.8    | 5.8 | 6.4 | 6.0   |
|                       | Bg 90-2                  | -   | 5.0 | 5.0   | 3.9          | 3.0 | 3.5   | 7.3    | 7.8 | 7.9 | 7.6   | 5.8    | 7.0 | 6.1 | 6.3   |

- a. Localidades: 1 = ICA-La Libertad, Villavicencio (Colombia), 2 = Calabozo (Venezuela), 3 = Guayas (Ecuador), 4 = Bagua (Perú)
- b. Incidencia de hoja blanca según escala internacional 0-9: 0-2 = resistente; 2.1-3.0 = moderadamente resistente; 3.1-4.0 = moderadamente susceptible; 4.1-9 = susceptible
- c. 1º = Incidencia de hoja blanca en parcelas de observación y ensayos de rendimiento  
2º = Incidencia de hoja blanca en el vivero
- d. Promedios de 7 repeticiones en cada localidad y época de siembra

Cuadro 5.5 Líneas del VIOAL-HB, 1982, resistentes a hoja blanca en La Libertad, Colombia, y susceptibles en Guayas (Ecuador), Bagua (Perú) y Calabozo (Venezuela)

| Línea no. | Designación              | Fuentes de Resistencia | Reacción a la hoja blanca <sup>a</sup> |                             |                         |                                 |
|-----------|--------------------------|------------------------|--|-----------------------------|-------------------------|---------------------------------|
|           |                          |                        | La Libertad Colombia                   | Guayas <sup>b</sup> Ecuador | Bagua <sup>b</sup> Perú | Calabozo <sup>c</sup> Venezuela |
| 1         | P 2023 F4-74-2-1B        | CICA 7                 | 1                                      | 6.3                         | 4.0                     | 4.5                             |
| 2         | P 2030 F4-217-4-1B       | CICA 7, CICA 4         | 2                                      | 5.6                         | 4.0                     | 5.0                             |
| 3         | P 2030 F4-222-1-1B       | CICA 7, CICA 4         | 0                                      | 5.0                         | 4.3                     | 4.0                             |
| 4         | P 2030 F4-222-2-1B       | CICA 7, CICA 4         | 0                                      | 5.0                         | 5.6                     | 5.0                             |
| 5         | P 2030 F4-243-4-1B       | CICA 7, CICA 4         | 0                                      | 5.0                         | 6.3                     | 5.0                             |
| 6         | P 2025 F4-159-3-1B       | CICA 7, CICA 4         | 0                                      | 5.6                         | 6.3                     | 4.0                             |
| 8         | P 2030 F4-226-1-1B       | CICA 7, CICA 4         | 0                                      | 7.0                         | 6.3                     | 4.0                             |
| 10        | P 2180 F4-82-5-1B        | SML 56/7               | 2                                      | 7.0                         | 5.3                     | 5.0                             |
| 18        | P 2189 F4-64-1-1B        |                        | 1                                      | 6.3                         | 5.6                     | 4.0                             |
| 31        | P 2217 F4-30-4-1B        | CICA 7                 | 2                                      | 6.3                         | 4.3                     | 4.0                             |
| 32        | P 2217 F4-45-7-1B        | CICA 7                 | 2                                      | 6.3                         | 5.0                     | 4.5                             |
| 35        | P 2231 F4-4-7-1B         | CICA 7, Pelita 1/1     | 2                                      | 7.0                         | 6.3                     | 4.5                             |
| 36        | P 2231 F4-13-2-1B        | CICA 7, Pelita 1/1     | 1                                      | 7.0                         | 4.3                     | 4.5                             |
| 37        | P 2231 F4-45-6-1B        | CICA 7, Pelita 1/1     | 1                                      | 6.3                         | 4.3                     | 4.0                             |
| 38        | P 2231 F4-45-8-1B        | CICA 7, Pelita 1/1     | 1                                      | 6.3                         | 5.6                     | 4.5                             |
| 40        | P 2231 F4-138-2-1B       | CICA 7, Pelita 1/1     | 0                                      | 6.3                         | 4.0                     | 4.0                             |
| 47        | P 2015 F4-128-5-4-1B     | CICA 7                 | 1                                      | 8.3                         | 7.6                     | 6.5                             |
| 48        | P 2016 F4-87-5-5-1B      | CICA 7                 | 0                                      | 6.3                         | 5.0                     | 5.5                             |
| 50        | P 2025 F4-93-1-5-1B      | CICA 7, CICA 4         | 1                                      | 6.3                         | 5.6                     | 5.0                             |
| 51        | P 2025 F4-93-2-2-1B      | CICA 7, CICA 4         | 0                                      | 7.0                         | 5.6                     | 5.0                             |
| 52        | P 2025 F4-93-2-5-1B      | CICA 7, CICA 4         | 1                                      | 5.6                         | 5.6                     | 5.5                             |
| 54        | P 2026 F4-49-5-5-1B      | CICA 7                 | 1                                      | 7.6                         | 7.0                     | 6.0                             |
| 55        | P 2030 F4-88-1-2-1B      | CICA 7, CICA 4         | 0                                      | 7.0                         | 5.6                     | 4.5                             |
| 62        | P 2180 F4-7-5-1B         | SML 56/7               | 3                                      | 7.0                         | 5.6                     | 5.5                             |
| 68        | P 2180 F4-55-1B-1B-4-1B  | SML 56/7               | 0                                      | 8.0                         | 5.0                     | 7.0                             |
| 70        | P 2182 F4-39-1B-1B-4-1B  | Pelita 1/1             | 0                                      | 7.0                         | 5.0                     | 6.5                             |
| 76        | P 2182 F4-39-1B-1B-6-1B  | Pelita 1/1             | 0                                      | 7.0                         | 4.3                     | 4.0                             |
| 77        | P 2182 F4-49-1B-1B-1-1B  | Pelita 1/1             | 0                                      | 7.0                         | 4.3                     | 6.0                             |
| 95        | P 2195 F4-107-1B-1B-1-1B | K 8                    | 0                                      | 9.0                         | 5.6                     | 4.0                             |
| 97        | P 2017 F4-140-3-1B       | CICA 7, CICA 4         | 0                                      | 7.6                         | 5.0                     | 4.0                             |
| 106       | P 2023 F4-20-9-1B        | CICA 7                 | 3                                      | 8.3                         | 5.0                     | 5.0                             |
| 107       | P 2023 F4-53-1-1B        | CICA 7                 | 0                                      | 7.0                         | 7.0                     | 5.5                             |
| 108       | P 2023 F4-53-4-1B        | CICA 7                 | 0                                      | 7.0                         | 7.0                     | 6.0                             |
|           | Testigos <sup>d</sup>    |                        |  |                             |                         |                                 |
|           | Bluebonnet 50 (S)        |                        | 6.1                                    | 7.3                         | 5.6                     | 6.0                             |
|           | CICA 8 (S)               |                        | 4.7                                    | 7.4                         | 6.5                     | 4.4                             |
|           | CICA 7 (R)               |                        | 0.0                                    | 7.4                         | 6.0                     | 4.5                             |
|           | Bg 90-2 (S)              |                        | 5.0                                    | 7.6                         | 6.3                     | 3.4                             |
|           | ICA-10 (R)               |                        | 0.0                                    | 1.3                         | 0.1                     | 0.0                             |

a. Escala internacional 0-9: 0 = resistente, 9 = susceptible

b. Promedio de 3 épocas de siembra, datos tomados a la floración

c. Promedio de 2 repeticiones, datos tomados a 103 días de edad

d. Promedios de 7 repeticiones, datos tomados a la floración

Cuadro 5.6 Líneas del VIOAL-HB, susceptibles a la hoja blanca en La Libertad (Colombia), Guayas (Ecuador), Bagua (Perú) y Calabozo (Venezuela)

| Línea no.                    | Designación              | Fuentes de Resistencia | La Libertad Colombia | Guayas Ecuador <sup>b</sup> | Bagua Perú <sup>b</sup> | Calabozo Venezuela <sup>c</sup> |
|------------------------------|--------------------------|------------------------|----------------------|-----------------------------|-------------------------|---------------------------------|
| 7                            | P 2034 F4-25-6-1B        | CICA 4                 | 7                    | 7.0                         | 7.0                     | 4.0                             |
| 9                            | P 2177 F4-44-5-1B        | K 8                    | 4                    | 7.0                         | 7.0                     | 5.0                             |
| 16                           | P 2181 F4-75-6-1B        |                        | 7                    | 7.0                         | 7.6                     | 6.0                             |
| 17                           | P 2186 F4-54-1-1B        | Colombia 1             | 6                    | 5.6                         | 5.6                     | 5.0                             |
| 20                           | P 2192 F4-37-1-1B        | CICA 7                 | 8                    | 6.3                         | 6.3                     | 4.0                             |
| 21                           | P 2192 F4-37-3-1B        | CICA 7                 | 9                    | 7.0                         | 7.0                     | 5.0                             |
| 22                           | P 2192 F4-46-8-1B        | CICA 7                 | 7                    | 7.0                         | 5.0                     | 4.0                             |
| 23                           | P 2201 F4-63-3-1B        | CICA 4, SML 56/7       | 6                    | 6.3                         | 5.0                     | 4.0                             |
| 25                           | P 2216 F4-12-4-1B        |                        | 8                    | 7.0                         | 7.0                     | 5.0                             |
| 33                           | P 2217 F4-2-1-1B         | CICA 7                 | 7                    | 7.6                         | 7.6                     | 4.0                             |
| 53                           | P 2026 F4-49-2-1-1B      | CICA 7                 | 7                    | 7.6                         | 5.6                     | 6.0                             |
| 61                           | P 2034 F4-65-2-4-1B      | CICA 7                 | 7                    | 7.0                         | 7.0                     | 6.0                             |
| 63                           | P 2186 F4-2-2-1B         | Colombia 1             | 6                    | 6.3                         | 8.3                     | 4.0                             |
| 64                           | P 2186 F4-19-2-1B        | Colombia 1             | 5                    | 7.0                         | 7.0                     | 5.0                             |
| 65                           | F4-1-1B-1B-5-1B          |                        | 4                    | 7.0                         | 7.6                     | 5.0                             |
| 66                           | P 2177-F4-48-1B-1B-1-1B  | K 8                    | 7                    | 6.3                         | 6.3                     | 6.0                             |
| 67                           | P 2177 F4-48-1B-1B-7-1B  | K 8                    | 7                    | 7.0                         | 5.6                     | 6.0                             |
| 69                           | P 2181 F4-40-1B-1B-1-1B  |                        | 6                    | 7.0                         | 7.0                     | 4.0                             |
| 82                           | P 2192 F4-30-1B-1B-4-1B  | CICA 7                 | 8                    | 7.0                         | 5.0                     | 4.0                             |
| 85                           | P 2192 F4-37-1B-1B-11-1B | CICA 7                 | 9                    | 7.0                         | 5.6                     | 6.0                             |
| 91                           | P 2192 F4-37-1B-1B-13-1B | CICA 7                 | 7                    | 7.3                         | 5.6                     | 5.0                             |
| 92                           | P 2193 F4-10-1B-1B-3-1B  | K 8                    | 8                    | 9.0                         | 5.6                     | 6.0                             |
| 93                           | P 2193 F4-22-1B-1B-5-1B  | K 8                    | 8                    | 9.0                         | 5.6                     | 6.0                             |
| 94                           | P 2193 F4-158-1B-1B-7-1B | K 8                    | 8                    | 8.3                         | 6.3                     | 6.0                             |
| 96                           | P 2015 F4-108-4-1B       | CICA 7                 | 6                    | 8.3                         | 5.0                     | 5.0                             |
| 98                           | P 2019 F4-24-7-1B        |                        | 6                    | 8.3                         | 5.6                     | 4.0                             |
| 99                           | P 2019 F4-72-3-1B        |                        | 6                    | 7.6                         | 5.6                     | 4.0                             |
| 100                          | P 2023 F4-20-2-1B        | CICA 7                 | 6                    | 7.0                         | 5.0                     | 6.0                             |
| <u>Testigos</u> <sup>d</sup> |                          |                        |                      |                             |                         |                                 |
|                              | Bluebonnet 50            |                        | 6.1                  | 7.3                         | 5.6                     | 6.0                             |
|                              | CICA 8                   |                        | 4.7                  | 7.4                         | 6.5                     | 4.4                             |
|                              | Bg 90-2                  |                        | 5.0                  | 7.6                         | 6.3                     | 3.4                             |
|                              | CICA 7                   |                        | 0.0                  | 7.4                         | 6.0                     | 4.5                             |
|                              | ICA 10                   |                        | 0.0                  | 1.3                         | 0.1                     | 0.0                             |

- a. Escala internacional 0-9: 0 = resistente, 9 = susceptible
- b. Promedios de tres épocas de siembra, datos tomados a floración
- c. Promedios de dos repeticiones, datos tomados a los 103 días de edad
- d. Promedios de 7 repeticiones

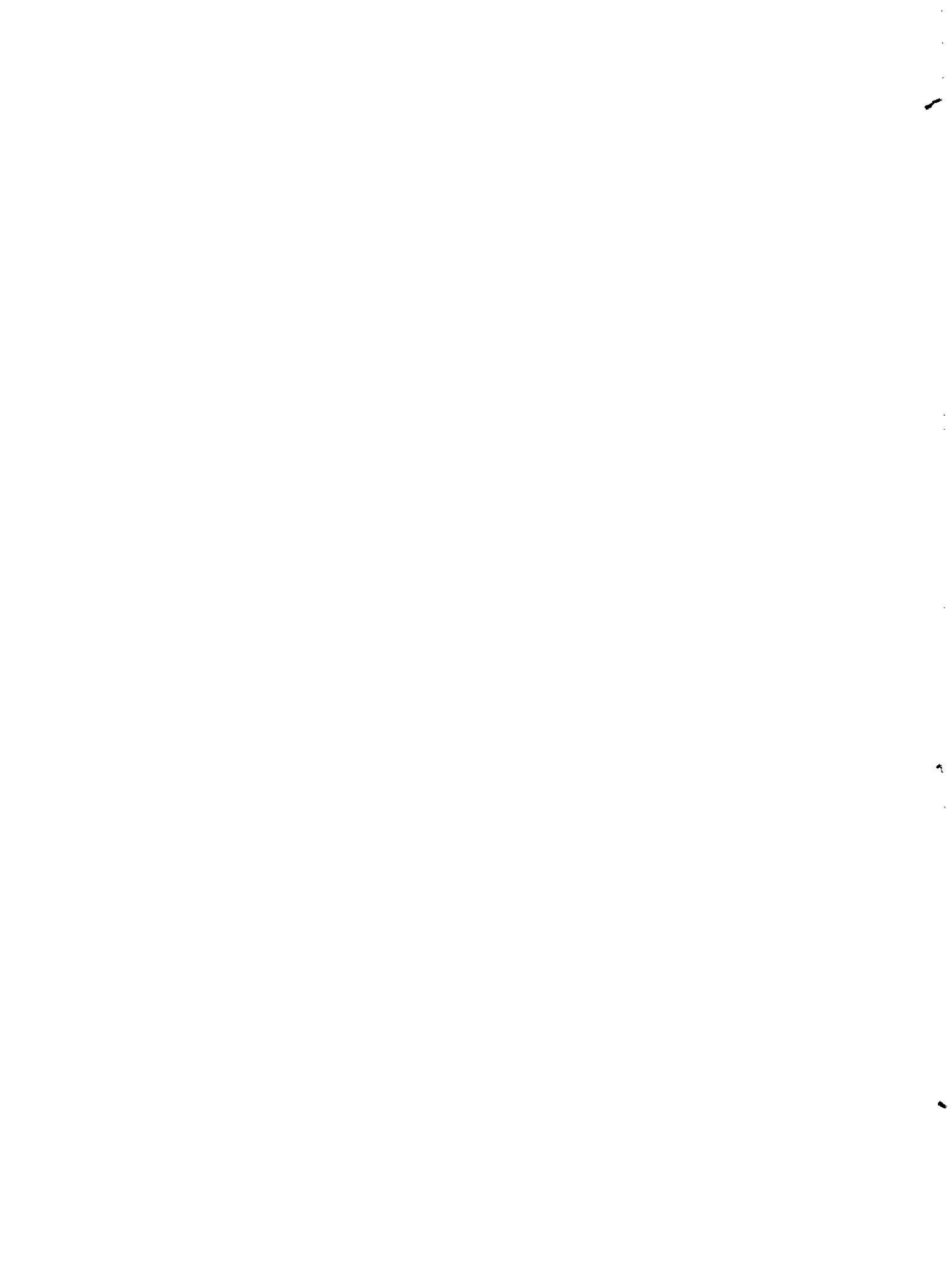
Cuadro 5.7 Líneas del VIOAL-HB, 1982, con diferente reacción a la hoja blanca en Calabozo (Venezuela), La Libertad (Colombia), Guayas (Ecuador) y Bagua (Perú)

| Línea no. | Designación             | Fuentes de Resistencia | Reacción a la hoja blanca <sup>a</sup> |                      |                |            |
|-----------|-------------------------|------------------------|--|----------------------|----------------|------------|
|           |                         |                        | Calabozo Venezuela                     | La Libertad Colombia | Guayas Ecuador | Bagua Perú |
| 19        | P 2192 F4-30-2-1B       | CICA 7, K 8            | 2.0                                    | 5                    | 5.6            | 4.0        |
| 24        | P 2201 F4-78-6-1B       | CICA 4, SML 56/7       | 3.0                                    | 4                    | 7.0            | 5.0        |
| 34        | P 2217 F4-44-7-1B       | CICA 7                 | 3.0                                    | 5                    | 7.0            | 6.3        |
| 49        | P 2023 F4-16-5-1-1B     | CICA 7                 | 2.0                                    | 6                    | 7.6            | 5.0        |
| 81        | P 2192 F4-30-1B-1B-1-1B | CICA 7                 | 2.0                                    | 6                    | 7.6            | 4.3        |
| 83        | P 2192 F4-30-1B-1B-5-1B | CICA 7                 | 2.0                                    | 8                    | 7.0            | 3.6        |
| 84        | P 2192 F4-37-1B-1B-7-1B | CICA 7                 | 2.0                                    | 9                    | 7.6            | 5.6        |
| 46        | P 2231 F4-138-6-1B      | CICA 7, Pelita 1/1     | 2.0                                    | 0                    | 5.0            | 3.6        |
| 79        | P 2189 F4-27-1B-1B-1-1B |                        | 3.0                                    | 0                    | 7.6            | 4.3        |
| 109       | P 2023 F4-53-8-1B       | CICA 7                 | 3.0                                    | 0                    | 8.3            | 6.3        |
| 39        | P 2231 F4-138-1-1B      | CICA 7, Pelita 1/1     | 4.0                                    | 0                    | 6.3            | 3.3        |
| 78        | P 2182 F4-49-1B-1B-8-1B | Pelita 1/1             | 7.0                                    | 2                    | 7.0            | 3.6        |
| 80        | P 2189 F4-64-1B-1B-3-1B |                        | 6.0                                    | 0                    | 7.0            | 3.0        |

a. Según escala internacional de 0-9: 0-2 = resistente; 2.1-3.0 = moderadamente resistente; 3.1-4.0 = moderadamente susceptible; 4.1-9.0 = susceptible



**Cuarto Vivero Internacional de  
Arroz para Temperaturas Bajas  
en América Latina  
(VITBAL, 1982)**



## CUARTO VIVERO INTERNACIONAL DE ARROZ PARA

### TEMPERATURAS BAJAS EN AMÉRICA LATINA

(VITBAL, 1982)

El VITBAL, 1982 fue formado con 33 selecciones o variedades procedentes del Sexto Vivero Internacional de Tolerancia al Frio, distribuido por el IRRI en 1981 y del VITBAL, 1981. Se incluyeron tres testigos, IR 2307-247-2-2-3 del IRRI, China 1039 de la India, y la variedad Oro de Chile (Cuadro 6.1).

Este vivero se distribuyó a Brasil, Chile, México, Perú y Uruguay, en donde tienen problemas de temperaturas bajas durante la época de cultivo del arroz.

En los Cuadros 6.2 y 6.3 se presenta la información enviada por los cooperadores respecto a las localidades y prácticas de cultivo.

Las evaluaciones del germoplasma hechas en CIAT, Palmira (Cuadro 6.4) corresponden a condiciones normales de temperatura y la siembra se hizo para multiplicar semilla y determinar el potencial de rendimiento del germoplasma.

Los datos de evaluación enviados por los cooperadores de México y Uruguay se presentan en los Cuadros 6.5 a 6.6. En la localidad Ebano, México, no hubo problemas de temperaturas bajas, y por lo tanto, el rendimiento del germoplasma fue alto. En Treinta y Tres, Uruguay, las temperaturas bajas en plántula alargaron el ciclo de duración del germoplasma, pero las presentadas en el estado de reproducción no afectaron el rendimiento en la mayoría de los materiales (Cuadro 6.6). Varias líneas fueron superiores en rendimiento al testigo local Bluebelle.

Cuadro 6.1 Germoplasma del Cuarto Vivero Internacional de Arroz con Tolerancia a Temperaturas Bajas para América Latina (VITBAL, 1982)

| Línea no. | Designación                      | Cruce                                  | Origen    |
|-----------|----------------------------------|--|-----------|
| 1         | IR 19743-46-2-3                  | IR 9129-192-2-3/IR 10176-79            | IRRI      |
| 2         | IR 19746-28-2-2-3                | IR 9129-192-2-3/IR 10183-7             | IRRI      |
| 3         | IR 19764-15-1-1-2                | IR 9201-91-2-2/IR 10187-80             | IRRI      |
| 4         | IR 9965-53-3                     | BG 34-8/IR 28//IR 46                   | IRRI      |
| 5         | K 440-429-1-2                    |  | India     |
| 6         | M 101                            | CS-M 3/Calrose 76//D 31                | U.S.A.    |
| 7         | IR 19743-8-1-2-2                 | IR 9129-192-2-3/IR 10176-79            | IRRI      |
| 8         | IR 19743-25-2-2                  | IR 9129-192-2-3/IR 10716-79            | IRRI      |
| 9         | K 428-28                         | RPCB-2 B-849/K 176-13-1                | India     |
| 10        | Oro (Testigo resistente)         |  | Chile     |
| 11        | K 288-8-43                       | K 17-6-1-1-1/IR 28                     | India     |
| 12        | IR 8608-239-2-2-3                | IR 2061-465-1-5-5/IR 2071-625-1        | IRRI      |
| 13        | IR 9201-91-2-2-1-3               | IR 2053-521/IR 2061-464//IR 2071-625   | IRRI      |
| 14        | IR 9711-K 2                      | ADT 30/IR 28*2                         | India     |
| 15        | IR 9746-K 1                      | IR 28/AI-Nan Tsao 1//IR 28             | India     |
| 16        | Suweon 288                       | IR 24*2/IR 747 B 2-6-3                 | Corea     |
| 17        | IR 579 ES 38-PLP 2 B (HPU 734)   | IR 8/Tadukan                           | India     |
| 18        | IR 9129-169-3-2-3-3              | IR 28/IR 2053-521-1-1//IR 2071-625-1   | IRRI      |
| 19        | IR 9758-175-2                    | IR 28/Shensi Var//IR 28                | IRRI      |
| 20        | China 1039 (Testigo resistente)  |  | India     |
| 21        | B 2982 B-SR-62-3-1-4             | Sirendah Merah/IR 2061                 | Indonesia |
| 22        | CR 316-3-1-4                     | IR 181-2/Blue Belle                    | Egipto    |
| 23        | CR 485-6-13-2-1                  | CR 173/IR 20//IR 759                   | Egipto    |
| 24        | Semeru (IR 2307)                 | CR 94-13/IR 1561                       | Indonesia |
| 25        | Milyang 47                       | Milyang 23/IR 2058                     | Corea     |
| 26        | P 33-C-83 (HPU 84)               | Imp.Sabarmati/Ratna                    | India     |
| 27        | IR 5868-34-3                     | IR 747 B 2/SUG//IR 747 B 2/IR 2061-464 | IRRI      |
| 28        | Taichung Sen Shih 226            |  | Taiwan    |
| 29        | IRI 326                          | Suweon 233//Tongil/IR 24               | Corea     |
| 30        | IR 2307-247-2-2-3 (T.resistente) | CR 94-13/IR 1561-228-3-3               | IRRI      |
| 31        | Taichung Sen Yu 229              | Tai.Sen Shih 204/Chianung Sen Yu 14    | Taiwan    |
| 32        | IRI 349                          | M 23/HR 963//M 20/IR 29                | Corea     |
| 33        | IRI 350                          | M 21/HR 963//M 23/IR 1545              | Corea     |

CUADRO NO. 6-2 VITBAL, 1982.  
 CUARTO VIVERO INTERNACIONAL DE ARROZ CON TOLERANCIA A TEMERATURAS BAJAS PARA AMERICA LATINA  
 LOCALIZACION DE LAS PRUEBAS Y NOMBRE DE LOS COOPERADORES

| PRUEBA NO. | PAIS     | LOCALIDAD      | ESTACION EXPERIMENTAL / COOPERADOR                  | LATITUD GR-MIN | LONGITUD GR-MIN | ALTITUD (MSNM) |
|------------|----------|----------------|---|----------------|-----------------|----------------|
| 1          | COLOMBIA | PALMIRA        | CIAT / MANUEL J ROSERO-LUIS E BERRIO-JENNY S. GAGNA | 3-31 N         | 76-20 W         | 1000           |
| 2          | MEXICO   | EBANO          | C.AGR.AUX.DE EBANO / OSCAR AGUSTIN DELGADO VARELA   | 22-12 N        | 98-23 W         | 55             |
| 3          | URUGUAY  | TREINTA Y TRES | EST.EXP.OEL ESTE / NICOLAS CHEBATAROFF              | 33- 0 S        | 52- 0 W         | 30             |



COOPERADOR : MANUEL J ROSERO-LUIS E BERNIO-JENNY S. GAONA

|                     |              |                     |         |                    |                        |
|---------------------|--------------|---------------------|---------|--------------------|------------------------|
| PAIS.....           | COLOMBIA     | TEMPERATURA MIN.... | 19 GR.C | TEXTURA.....       | ARCILLO-LIMOSO         |
| LOCALIDAD.....      | PALMIRA      | MAX.....            | 29 GR.C | PH.....            | 7.5                    |
| EST. EXPERIMENTAL.. | CIAT         | PROM....            | 24 GR.C | FERTILIZACION...   | 100 N P K              |
| LATITUD.....        | 3 GR. 31' N  | PRECIPITACION.....  | 621MM   | PROTECCION CONTRA: | ENFERMEDADES.. NINGUNA |
| LONGITUD.....       | 75 GR. 20' W | DIAS LLUVIOSOS..... | 68      | INSECTOS.....      | HYDRELLIA SP.          |
| ALTITUD (MSNM)....  | 1000         |                     |         |                    | NECESARIA              |
|                     |              |                     |         |                    | OEALUS POECILUS        |

SISTEMA DE CULTIVO: RIEGO TRANSPLANTE

COMENTARIOS:

| I | VARIEDAD                   | LINEA<br>CODIGO | RENDIMIENTO<br>(TON/HA) | POSICION | DIAS A<br>FLORACION | DIAS A<br>MADURACION | ALTURA<br>(CM) | LDG<br>TIL | ACCP<br>MT | VG  | STER | CT<br>PLAN | CT<br>MT | I |
|---|----------------------------|-----------------|-------------------------|----------|---------------------|----------------------|----------------|------------|------------|-----|------|------------|----------|---|
| I | IR19743-46-2-3             | 401             | 4.32                    | 20       | 79.00               | 109.00               | 101.00         | 1          | 6          | 5   | 1    |            |          | I |
| I | IR19746-28-2-2-3           | 402             | 4.96                    | 3        | 92.00               | 112.00               | 93.00          | 1          | 5          | 5   | 1    |            |          | I |
| I | IR19764-15-1-1-2           | 403             | 4.15                    | 23       | 84.00               | 114.00               | 98.00          | 1          | 6          | 5   | 1    |            |          | I |
| I | IR9965-53-3                | 404             | 3.76                    | 29       | 87.00               | 117.00               | 92.00          | 1          | 5          | 5   | 1    |            |          | I |
| I | K440-429-1-2               | 405             | 4.53                    | 16       | 90.00               | 120.00               | 95.00          | 1          | 5          | 5   | 1    |            |          | I |
| I | M101                       | 406             | 2.09                    | 33       | 77.00               | 107.00               | 90.00          | 1          | 6          | 6   | 1    |            |          | I |
| I | IR19743-8-1-2-2            | 407             | 4.49                    | 17       | 86.00               | 116.00               | 94.00          | 1          | 6          | 5   | 1    |            |          | I |
| I | IR19743-25-2-2             | 408             | 4.62                    | 15       | 86.00               | 116.00               | 94.00          | 1          | 5          | 5   | 1    |            |          | I |
| I | K428-28                    | 409             | 4.77                    | 11       | 87.00               | 117.00               | 100.00         | 1          | 5          | 5   | 1    |            |          | I |
| I | ORU (T.RESIST)             | 410             | 2.56                    | 31       | 70.00               | 100.00               | 89.00          | 1          | 6          | 6   | 1    |            |          | I |
| I | K285-0-43                  | 411             | 4.69                    | 12       | 91.00               | 121.00               | 105.00         | 1          | 5          | 5   | 1    |            |          | I |
| I | IR8608-237-2-2-3           | 412             | 2.42                    | 32       | 88.00               | 118.00               | 84.00          | 1          | 5          | 5   | 1    |            |          | I |
| I | IR9201-71-2-2-1-3          | 413             | 3.95                    | 27       | 89.00               | 119.00               | 86.00          | 1          | 5          | 5   | 1    |            |          | I |
| I | IR9711-K2                  | 414             | 4.62                    | 14       | 91.00               | 121.00               | 102.00         | 1          | 5          | 5   | 1    |            |          | I |
| I | IR9746-K1                  | 415             | 4.38                    | 19       | 87.00               | 117.00               | 95.00          | 1          | 5          | 5   | 1    |            |          | I |
| I | SUWEDON 289                | 416             | 4.20                    | 22       | 87.00               | 117.00               | 89.00          | 1          | 5          | 5   | 1    |            |          | I |
| I | IR579 ES38-PLP28(HPU734)   | 417             | 3.98                    | 26       | 91.00               | 121.00               | 82.00          | 1          | 6          | 5   | 1    |            |          | I |
| I | IR9129-169-3-2-3-3         | 418             | 4.28                    | 21       | 89.00               | 119.00               | 97.00          | 1          | 5          | 5   | 1    |            |          | I |
| I | IR9758-175-2               | 419             | 4.02                    | 25       | 90.00               | 120.00               | 93.00          | 1          | 5          | 5   | 1    |            |          | I |
| I | CHINA 1039(T.RESIST)       | 420             | 3.24                    | 29       | 75.00               | 110.00               | 137.00         | 3          | 7          | 6   | 1    |            |          | I |
| I | U29828-SR-62-3-1-4         | 421             | 4.81                    | 9        | 101.00              | 131.00               | 111.00         | 1          | 5          | 5   | 1    |            |          | I |
| I | CR316-3-1-4                | 422             | 2.87                    | 30       | 72.00               | 122.00               | 105.00         | 1          | 5          | 5   | 1    |            |          | I |
| I | CR485-6-13-2-1             | 423             | 5.34                    | 4        | 103.00              | 134.00               | 98.00          | 1          | 5          | 5   | 1    |            |          | I |
| I | SEMERU(IR2307)             | 424             | 4.64                    | 13       | 101.00              | 131.00               | 86.00          | 1          | 5          | 5   | 1    |            |          | I |
| I | MILYANG 47                 | 425             | 5.03                    | 7        | 89.00               | 119.00               | 93.00          | 1          | 5          | 5   | 1    |            |          | I |
| I | P33-C-03(HPU84)            | 426             | 4.07                    | 24       | 90.00               | 122.00               | 97.00          | 1          | 5          | 5   | 1    |            |          | I |
| I | IR5058-34-3                | 427             | 4.79                    | 10       | 95.00               | 130.00               | 99.00          | 1          | 5          | 5   | 1    |            |          | I |
| I | TAICHUNG SEN SHIH226       | 428             | 5.94                    | 2        | 95.00               | 130.00               | 106.00         | 1          | 5          | 5   | 1    |            |          | I |
| I | IRI J26                    | 429             | 4.43                    | 18       | 96.00               | 129.00               | 85.00          | 1          | 5          | 5   | 1    |            |          | I |
| I | IR2307-247-2-2-3(T.RESIST) | 430             | 5.60                    | 3        | 98.00               | 130.00               | 94.00          | 1          | 4          | 5   | 1    |            |          | I |
| I | TAICHUNG SEN YU 229        | 431             | 5.95                    | 1        | 99.00               | 130.00               | 113.00         | 1          | 5          | 5   | 1    |            |          | I |
| I | IR1349                     | 432             | 5.11                    | 6        | 90.00               | 125.00               | 100.00         | 1          | 4          | 5   | 1    |            |          | I |
| I | IR1350                     | 433             | 5.19                    | 5        | 90.00               | 125.00               | 94.00          | 1          | 4          | 5   | 1    |            |          | I |
| I | PROMEDIO GENERAL           |                 | 4.36                    |          | 99.24               | 120.27               | 96.88          | 1.1        | 5.2        | 5.1 | 1.0  |            |          | I |

COOPERADOR : OSCAR AGUSTIN DELGADO VARLLA

```

=====
PAIS..... MEXICO          TEMPERATURA MIN.... 21 GR.C      TEXTURA..... ARCILLOSO
LOCALIDAD..... EBANO          MAX..... 33 GR.C      PH..... 7.8
EST. EXPERIMENTAL.. C.AGR.AUX.Dc EBANO      PROM.... 27 GR.C      FERTILIZACION... 150 N   17 P   K
LATITUD..... 22 GR. 12' N    PRECIPITACION..... 252MM
LONGITUD..... 93 GR. 23' W    DIAS LLUVIOSOS..... 24
ALTITUD (MSNM).... 55
=====
PROTECCION CONTRA: ENFERMEDADES.. NECESARIA
INSECTOS..... DEBALUS MEXICANA
    
```

SISTEMA DE CULTIVO: RIEGO

COMENTARIOS: VIENTOS PROVOCARON ACAME

| I | LINEA                      | RENDIMIENTO     | DIAS A   | DIAS A    | ALTURA     | LOG ACCP | ACCP   | VG  | STER | CT   | CT  | I   |     |     |   |
|---|----------------------------|-----------------|----------|-----------|------------|----------|--------|-----|------|------|-----|-----|-----|-----|---|
| I | VARIEDAD                   | CODIGO (TON/HA) | POSICION | FLORACION | MADURACION | (CM)     | TIL    | NT  |      | PLAN | MT  | I   |     |     |   |
| I | IR19743-46-2-3             | 401             | 5.75     | 22        | 67.00      | 97.00    | 105.00 | 7   | 5    | 7    | 3   | 1   | 1   | 1   | I |
| I | IR19746-28-2-2-3           | 402             | 6.90     | 8         | 70.00      | 98.00    | 89.00  | 7   | 5    | 7    | 5   | 1   | 1   | 1   | I |
| I | IR19764-15-1-1-2           | 403             | 5.76     | 21        | 68.00      | 97.00    | 91.00  | 7   | 5    | 7    | 5   | 3   | 1   | 1   | I |
| I | IR9965-53-3                | 404             | 5.66     | 23        | 70.00      | 98.00    | 94.00  | 7   | 5    | 7    | 5   | 3   | 1   | 1   | I |
| I | K440-429-1-2               | 405             | 5.13     | 28        | 70.00      | 98.00    | 98.00  | 7   | 5    | 7    | 5   | 1   | 1   | 1   | I |
| I | M101                       | 406             | 5.64     | 24        | 57.00      | 88.00    | 82.00  | 3   | 5    | 7    | 3   | 1   | 1   | 1   | I |
| I | IR19743-8-1-2-2            | 407             | 5.99     | 19        | 70.00      | 98.00    | 88.00  | 7   | 5    | 7    | 5   | 1   | 1   | 1   | I |
| I | IR19743-25-2-2             | 408             | 6.02     | 17        | 71.00      | 98.00    | 100.00 | 9   | 3    | 7    | 3   | 3   | 1   | 1   | I |
| I | K428-28                    | 409             | 6.30     | 14        | 71.00      | 98.00    | 105.00 | 9   | 3    | 7    | 3   | 1   | 1   | 1   | I |
| I | DRG (T.RESIST)             | 410             | 3.72     | 33        | 46.00      | 76.00    | 75.00  | 9   | 7    | 9    | 5   | 1   | 1   | 1   | I |
| I | K288-8-43                  | 411             | 5.31     | 27        | 76.00      | 102.00   | 105.00 | 9   | 5    | 9    | 3   | 3   | 1   | 1   | I |
| I | IR8608-237-2-2-3           | 412             | 5.60     | 25        | 71.00      | 99.00    | 92.00  | 7   | 5    | 7    | 5   | 3   | 1   | 1   | I |
| I | IR9201-91-2-2-1-3          | 413             | 6.59     | 10        | 71.00      | 99.00    | 92.00  | 7   | 7    | 7    | 5   | 1   | 1   | 1   | I |
| I | IR9711-K2                  | 414             | 5.84     | 20        | 76.00      | 102.00   | 99.00  | 5   | 7    | 7    | 5   | 3   | 5   | 5   | I |
| I | IP9746-K1                  | 415             | 6.38     | 13        | 70.00      | 98.00    | 100.00 | 3   | 7    | 7    | 7   | 3   | 1   | 1   | I |
| I | SUMEON 289                 | 416             | 7.50     | 2         | 72.00      | 99.00    | 89.00  | 3   | 5    | 7    | 5   | 3   | 1   | 1   | I |
| I | IP579 E538-PLP28(HPU734)   | 417             | 6.57     | 11        | 76.00      | 102.00   | 85.00  | 1   | 7    | 3    | 5   | 3   | 1   | 1   | I |
| I | IR9129-169-3-2-3-3         | 418             | 7.04     | 4         | 72.00      | 99.00    | 98.00  | 3   | 7    | 7    | 5   | 3   | 1   | 1   | I |
| I | IR9758-175-2               | 419             | 6.28     | 15        | 73.00      | 102.00   | 89.00  | 3   | 5    | 5    | 5   | 3   | 1   | 1   | I |
| I | CHINA 1039(T.RESIST)       | 420             | 5.09     | 29        | 64.00      | 95.00    | 126.00 | 9   | 7    | 9    | 5   | 3   | 1   | 1   | I |
| I | B2932B-SR-62-3-1-4         | 421             | 2.26     | 34        | 85.00      | 116.00   | 117.00 | 9   | 7    | 9    | 5   | 5   | 1   | 1   | I |
| I | CR316-3-1-4                | 422             | 4.61     | 32        | 85.00      | 113.00   | 120.00 | 5   | 7    | 7    | 5   | 3   | 1   | 1   | I |
| I | CR485-5-13-2-1             | 423             | 6.39     | 12        | 87.00      | 115.00   | 102.00 | 3   | 7    | 5    | 5   | 3   | 1   | 1   | I |
| I | SEMERU (IR2307)            | 424             | 6.92     | 7         | 87.00      | 116.00   | 91.00  | 1   | 7    | 3    | 5   | 1   | 1   | 1   | I |
| I | MILYANG 47                 | 425             | 7.40     | 3         | 73.00      | 102.00   | 101.00 | 3   | 3    | 7    | 5   | 3   | 1   | 1   | I |
| I | P33-C-03(HPU84)            | 426             | 6.97     | 5         | 76.00      | 102.00   | 99.00  | 9   | 3    | 7    | 3   | 3   | 1   | 1   | I |
| I | IR5858-J4-3                | 427             | 4.68     | 31        | 74.00      | 102.00   | 99.00  | 7   | 3    | 7    | 5   | 5   | 1   | 1   | I |
| I | TAICHUNG SEN SHIN226       | 428             | 7.62     | 1         | 78.00      | 109.00   | 104.00 | 1   | 5    | 5    | 3   | 3   | 1   | 1   | I |
| I | IR1 326                    | 429             | 5.41     | 26        | 88.00      | 119.00   | 66.00  | 1   | 5    | 5    | 5   | 1   | 1   | 1   | I |
| I | IR2307-247-2-2-3(T.RESIST) | 430             | 6.19     | 16        | 87.00      | 118.00   | 87.00  | 1   | 5    | 5    | 5   | 1   | 5   | 1   | I |
| I | TAICHUNG SEN YU 229        | 431             | 5.95     | 19        | 83.00      | 113.00   | 106.00 | 1   | 5    | 5    | 3   | 1   | 1   | 1   | I |
| I | IR1349                     | 432             | 6.95     | 6         | 79.00      | 109.00   | 98.00  | 5   | 3    | 5    | 3   | 1   | 1   | 1   | I |
| I | IR1350                     | 433             | 4.98     | 30        | 74.00      | 106.00   | 99.00  | 9   | 5    | 7    | 5   | 1   | 1   | 1   | I |
| I | CICAA(TESTIGO LOCAL)       | 434             | 6.79     | 9         | 95.00      | 124.00   | 97.00  | 1   | 3    | 3    | 3   | 3   | 1   | 1   | I |
| I | PROMEDIO GENERAL           |                 | 5.93     |           | 74.47      | 103.24   | 96.71  | 5.2 | 5.2  | 6.5  | 4.5 | 2.3 | 1.2 | 1.1 | I |



COOPERADOR : NICOLAS CHEBATANOFF

|                    |                  |                     |         |                    |                        |
|--------------------|------------------|---------------------|---------|--------------------|------------------------|
| PAIS.....          | UPUQUAY          | TEMPERATURA MIN.... | 15 GR.C | TEXTURA.....       | FRANCO                 |
| LOCALIDAD.....     | TREINTA Y TRES   | MAX.....            | 27 GR.C | PH.....            | 5.6                    |
| EST.EXPERIMENTAL.. | EST.EXP.DEL ESTE | PROM.....           | 21 GR.C | FERTILIZACION...   | 80 N 30 P K            |
| LATITUD.....       | 33 GR. 0' S      | PRECIPITACION.....  | 578MM   | PROTECCION CONTRA: | ENFERMEDADES.. NINGUNA |
| LONGITUD.....      | 52 GR. 0' W      | DIAS LLUVIOSOS..... | 37      |                    | INSECTOS..... NINGUNA  |
| ALTITUD (MSNM).... | 30               |                     |         |                    |                        |

SISTEMA DE CULTIVO: RIEGO

COMENTARIOS:

| I | LINEA                      | RENDIMIENTO     | DIAS A   | DIAS A    | ALTURA     | LOG    | ACCP   | ACCP | VG | STER | CT   | CT  | I   |     |   |
|---|----------------------------|-----------------|----------|-----------|------------|--------|--------|------|----|------|------|-----|-----|-----|---|
| I | VARIEDAD                   | CODIGO (TON/HA) | POSICION | FLORACION | MADURACION | (CM)   | TIL    | MT   |    |      | PLAN | MT  | I   |     |   |
| I | IR19743-46-2-3             | 401             | 0.51     | 13        | 91.00      | 131.00 | 96.00  | 3    | 3  | 1    | 3    | 3   | 5   | I   |   |
| I | IR19746-20-2-2-3           | 402             | 8.64     | 10        | 99.00      | 144.00 | 85.00  | 5    | 7  | 5    | 3    | 1   | 3   | I   |   |
| I | IR19764-15-1-1-2           | 403             | 7.63     | 22        | 95.00      | 134.00 | 90.00  | 3    | 5  | 3    | 5    | 3   | 3   | I   |   |
| I | IR9965-53-3                | 404             | 9.60     | 2         | 97.00      | 139.00 | 94.00  | 5    | 7  | 1    | 5    | 1   | 3   | I   |   |
| I | K440-429-1-2               | 405             | 8.07     | 17        | 94.00      | 133.00 | 102.00 | 7    | 9  | 1    | 5    | 1   | 3   | I   |   |
| I | M101                       | 406             | 9.57     | 3         | 87.00      | 129.00 | 100.00 | 1    | 3  | 7    | 5    | 1   | 1   | I   |   |
| I | IR19743-8-1-2-2            | 407             | 6.99     | 27        | 96.00      | 136.00 | 85.00  | 7    | 9  | 3    | 5    | 1   | 5   | I   |   |
| I | IR19743-25-2-2             | 408             | 8.33     | 15        | 94.00      | 132.00 | 96.00  | 3    | 5  | 3    | 3    | 1   | 3   | I   |   |
| I | K428-28                    | 409             | 8.03     | 18        | 98.00      | 139.00 | 104.00 | 3    | 5  | 3    | 5    | 1   | 5   | I   |   |
| I | GRD (T.RESIST)             | 410             | 8.35     | 14        | 84.00      | 127.00 | 120.00 | 5    | 7  | 3    | 3    | 1   | 1   | I   |   |
| I | K288-8-43                  | 411             | 7.25     | 25        | 109.00     | 150.00 | 97.00  | 1    | 5  | 3    | 3    | 3   | 1   | I   |   |
| I | IR8608-239-2-2-3           | 412             | 9.15     | 6         | 98.00      | 139.00 | 88.00  | 1    | 3  | 3    | 3    | 1   | 5   | I   |   |
| I | IR9201-91-2-2-1-3          | 413             | 9.23     | 5         | 100.00     | 145.00 | 96.00  | 1    | 5  | 5    | 5    | 1   | 3   | I   |   |
| I | IR9711-K2                  | 414             | 7.71     | 20        | 100.00     | 142.00 | 100.00 | 5    | 5  | 3    | 5    | 1   | 1   | I   |   |
| I | IR9746-K1                  | 415             | 7.63     | 21        | 102.00     | 145.00 | 93.00  | 1    | 5  | 3    | 5    | 1   | 3   | I   |   |
| I | SUWEDON 288                | 416             | 8.80     | 9         | 98.00      | 141.00 | 92.00  | 1    | 5  | 5    | 5    | 3   | 3   | I   |   |
| I | IR579 ES38-PLP28(HPU734)   | 417             | 11.13    | 1         | 96.00      | 138.00 | 82.00  | 1    | 3  | 3    | 5    | 1   | 3   | I   |   |
| I | IR9129-169-3-2-3-3         | 418             | 9.25     | 4         | 99.00      | 143.00 | 90.00  | 3    | 5  | 1    | 5    | 1   | 3   | I   |   |
| I | IR9758-175-2               | 419             | 7.41     | 23        | 100.00     | 145.00 | 84.00  | 1    | 5  | 3    | 5    | 1   | 5   | I   |   |
| I | CHINA 1039(T.RESIST)       | 420             | 5.51     | 29        | 97.00      | 128.00 | 135.00 | 7    | 9  | 1    | 7    | 1   | 3   | I   |   |
| I | B29828-SR-62-3-1-4         | 421             | 3.61     | 33        | 115.00     | 156.00 | 113.00 | 1    | 7  | 3    | 7    | 1   | 3   | I   |   |
| I | CR316-3-1-4                | 422             | 4.84     | 32        | 110.00     | 153.00 | 110.00 | 1    | 7  | 3    | 7    | 1   | 1   | I   |   |
| I | CR405-5-13-2-1             | 423             | 1.47     | 34        | 120.00     |        | 86.00  | 1    | 9  | 3    | 9    | 1   | 1   | I   |   |
| I | SEMERU(IR2307)             | 424             | 5.68     | 28        | 120.00     | 159.00 | 76.00  | 1    | 9  | 5    | 7    | 1   | 3   | I   |   |
| I | MILYANG 47                 | 425             | 7.22     | 26        | 105.00     | 149.00 | 86.00  | 1    | 5  | 5    | 5    | 1   | 3   | I   |   |
| I | P33-C-83(HPU84)            | 426             | 8.63     | 11        | 109.00     | 155.00 | 98.00  | 1    | 5  | 3    | 5    | 3   | 3   | I   |   |
| I | IR5868-34-J                | 427             | 7.87     | 19        | 105.00     | 155.00 | 94.00  | 1    | 5  | 3    | 5    | 1   | 5   | I   |   |
| I | TAICHUNG SEN SHIH226       | 428             | 7.34     | 24        | 111.00     |        | 103.00 | 1    | 7  | 1    | 5    | 1   | 3   | I   |   |
| I | IRI 326                    | 429             | 5.00     | 31        | 114.00     |        | 68.00  | 1    | 7  | 5    | 7    | 3   | 3   | I   |   |
| I | IR2307-247-2-2-3(T.RESIST) | 430             | 9.03     | 7         | 111.00     | 160.00 | 80.00  | 1    | 7  | 3    | 7    | 1   | 3   | I   |   |
| I | TAICHUNG SEN YU 229        | 431             | 5.44     | 30        | 111.00     |        | 100.00 | 1    | 7  | 5    | 7    | 1   | 3   | I   |   |
| I | IRI349                     | 432             | 8.08     | 16        | 110.00     | 160.00 | 87.00  | 1    | 5  | 5    | 5    | 1   | 3   | I   |   |
| I | IRI350                     | 433             | 8.83     | 8         | 104.00     | 157.00 | 85.00  | 1    | 5  | 3    | 3    | 3   | 1   | I   |   |
| I | BLUEBELLE(TESTIGO LOCAL)   | 434             | 8.53     | 12        | 92.00      | 135.00 | 114.00 | 1    | 1  | 3    | 5    | 1   | 1   | I   |   |
| I | PROMEDIO GENERAL           |                 | 7.60     |           | 101.97     | 143.30 | 94.97  | 2.3  |    | 5.8  | 3.2  | 5.1 | 1.4 | 2.9 | I |



**Sexto Vivero Internacional  
de Observación de Arroz  
para Salinidad y Alcalinidad  
en América Latina  
(VIOSAL, 1982)**



## SEXTO VIVERO INTERNACIONAL DE OBSERVACIÓN DE ARROZ

### PARA SALINIDAD Y ALCALINIDAD EN AMÉRICA LATINA

(VIOSAL, 1982) ✓

El VIOSAL, 1982, fue formado con 26 líneas, 12 procedentes del Programa de Arroz del CIAT, y 14 procedentes del VIOSAL, 1981 (8 tolerantes a Salinidad y 6 tolerantes a la Alcalinidad). Se incluyeron 4 testigos, Pokkali y MI 48, resistente y susceptible a salinidad, respectivamente; IR 46 (resistente) e IR 5931-110-1 (susceptible) a la alcalinidad (Cuadro 7.1).

Este vivero fue enviado a Cuba, Ecuador, Guatemala, Guyana, Haití, Honduras, Jamaica, México, Perú y República Dominicana.

Los datos enviados por los cooperadores sobre la localización de la prueba, épocas de siembra y prácticas de cultivo se presentan en los Cuadros 7.2 y 7.3. La prueba de CIAT-Palmira corresponde a condiciones normales de suelo y la siembra se hizo con el propósito de multiplicar semilla y determinar el potencial de rendimiento del germoplasma (Cuadro 7.4).

Igualmente, la prueba de Chetumal, México, fue hecha en suelos sin problemas de sales (Cuadro 7.5). La prueba sembrada en Mexicali, México, en donde la salinidad es un serio problema, los materiales fueron afectados por temperaturas bajas. En base a los datos de salinidad en el testigo susceptible, la incidencia de sales no fue lo suficientemente alta para diferenciar entre el germoplasma las líneas tolerantes o resistentes (Cuadro 7.6).

Cuadro 7.1 Germoplasma del Sexto Vivero Internacional de Observación de Arroz para Salinidad y Alcalinidad en América Latina (VIOSAL, 1982)

| Línea no. | Designación                             | Cruce                                  | Origen    |
|-----------|---|--|-----------|
| 1         | P 2231 F4-2-1B                          | CICA 7//4440/Pelita 1/1                | Colombia  |
| 2         | P 2231 F4-4-1B                          | CICA 7//4440/Pelita 1/1                | Colombia  |
| 3         | P 2231 F4-13-1B                         | CICA 7//4440/Pelita 1/1                | Colombia  |
| 4         | P 2231 F4-33-1B                         | CICA 7//4440/Pelita 1/1                | Colombia  |
| 5         | P 2231 F4-40-1B                         | CICA 7//4440/Pelita 1/1                | Colombia  |
| 6         | P 2231 F4-42-1B                         | CICA 7//4440/Pelita 1/1                | Colombia  |
| 7         | P 2231 F4-45-1B                         | CICA 7//4440/Pelita 1/1                | Colombia  |
| 8         | P 2231 F4-61-1B                         | CICA 7//4440/Pelita 1/1                | Colombia  |
| 9         | P 2231 F4-71-1B                         | CICA 7//4440/Pelita 1/1                | Colombia  |
| 10        | Pokkali (T.resist.a salinidad)          |  | India     |
| 11        | P 2231 F4-73-1B                         | CICA 7//4440/Pelita 1/1                | Colombia  |
| 12        | P 2231 F4-112-1B                        | CICA 7//4440/Pelita 1/1                | Colombia  |
| 13        | P 2231 F4-136-1B                        | CICA 7//4440/Pelita 1/1                | Colombia  |
| 14        | IR 43                                   |  | Filipinas |
| 15        | IR 9763-11-2-2-3                        | IR 32//Mahsuri//IR 28                  | IRRI      |
| 16        | IR 4422-52-6-4                          | IR 2061-125-37/CR 94-13                | IRRI      |
| 17        | IR 9761-19-1                            | IR 30/IR 2588-48-3//IR 2071-625-1-252  | IRRI      |
| 18        | IR 11480-19-2-3                         | IR 2863-38-1/IR 2058                   | IRRI      |
| 19        | IR 4422-6-2-3-1                         | IR 2049-134-2/IR 2061-125-37           | IRRI      |
| 20        | MI-48 (T.suscept.a salinidad)           |  | Filipinas |
| 21        | IR 13299-96-2-2                         | IR 1820-52-2/IR 2307-64-2//IR 2071-625 | IRRI      |
| 22        | IR 5853-118-5                           | Nam Sagui 19/IR 2071-88//IR 2061-214   | IRRI      |
| 23        | IR 2307-217-2-3                         | CR 94-13/IR 1561-228-3-3               | IRRI      |
| 24        | IR 4227-109-1-3-3                       | IR 2061-213/IR 1820-17-1               | IRRI      |
| 25        | IR 7545-27-3-2                          | IR 2153-26-3-5-6/IR 2071-588-6         | IRRI      |
| 26        | IR 8073-65-6-1                          | IR 4-11/IR 2035-290-2-3//IR 2153-26-3  | IRRI      |
| 27        | IR 8192-200-3-3-1-1                     | IR 2070-747/IR 2055-219//IR 2061-213-2 | IRRI      |
| 28        | IR 11418-15-2                           | IR 2863-38-1/IR 46                     | IRRI      |
| 29        | IR 5931-110-1 (T.suscept.a alcalinidad) | MRC 172-9/IR 1544-340-6//IR 4520-76-90 | IRRI      |
| 30        | IR 46 (T.resist.a alcalinidad)          |  | Filipinas |

CUADRO NO. 7.2 VIOSAL, 1982.

SEXTO VIVERO INTERNACIONAL DE OBSERVACION DE ARROZ PARA SALINIDAD Y ALCALINIDAD EN AMERICA LATINA  
 LOCALIZACION DE LAS PRUEBAS Y NOMBRE DE LOS COOPERADORES

| PRUEBA NO. | PAIS     | LOCALIDAD | ESTACION EXPERIMENTAL / COOPERADOR                  | LATITUD GR-MIN | LONGITUD GR-MIN | ALTITUD (MSNM) |
|------------|----------|-----------|---|----------------|-----------------|----------------|
| 1          | COLOMBIA | PALMIRA   | CIAT / MANUEL J ROSERO-LUIS E BERRIO-JENNY S GAONA  | 3-31 N         | 76-20 W         | 1000           |
| 2          | MEXICO   | CHETUMAL  | CAMPO AGR.CHETUMAL / HONERO QUINTERO SEOANE         | 18-31 N        | 88-29 W         | 25             |
| 3          | MEXICO   | MEXICALI  | CAMPO.AGR.EXP.MEXICALI / RAMON ANTONIO CINCO CASTRO | 31-40 N        | 114-45 W        | 0              |





COOPERADOR: MANUEL J ROS-RO-LUIS E BERRIO-JENNY S GAONA

|                     |              |                      |         |                    |                        |
|---------------------|--------------|----------------------|---------|--------------------|------------------------|
| PAIS.....           | COLOMBIA     | TEMPERATURA MIN..... | 19 GR.C | TEXTURA.....       | ARCILLO-LIMOSO         |
| LOCALIDAD.....      | PALMIRA      | MAX.....             | 27 GR.C | PH.....            | 7.5                    |
| EST. EXPERIMENTAL.. | CIAT         | PROM.....            | 24 GR.C | FERTILIZACION...   | 100 N P K              |
| LATITUD.....        | 3 GR. 31' N  | PRECIPITACION.....   | 626MM   | PROTECCION CONTRA: | ENFERMEDADES.. NINGUNA |
| LONGITUD.....       | 76 GR. 20' W | DIAS LUVIOSOS.....   | 70      | INSECTOS.....      | NECESARIA              |
| ALTITUD (MSNM)....  | 1000         |                      |         | INSECTOS.....      | HYDRELLIA SP.          |
|                     |              |                      |         |                    | DEBALUS POECILUS       |

SISTEMA DE CULTIVO: RIEGO TRANSPLANTE

COMENTARIOS:

| I | VARIEDAD                     | LINEA CODIGO | RENDIMIENTO (TON/HA) | POSICION | DIAS A FLORACION | DIAS A MADURACION | ALTURA LDG (CM) | SAL PLAN | ALCAL PLAN | SAL TIL | ALCAL TIL | SAL MT | ALCAL MT | I |
|---|------------------------------|--------------|----------------------|----------|------------------|-------------------|-----------------|----------|------------|---------|-----------|--------|----------|---|
| I | P2231F4-2-10                 | 1            | 4.62                 | 16       | 107.00           | 137.00            | 93.33           | 1        |            |         |           |        |          | I |
| I | P2231F4-4-10                 | 2            | 4.48                 | 18       | 109.67           | 140.00            | 95.33           | 1        |            |         |           |        |          | I |
| I | P2231F4-13-13                | 3            | 4.47                 | 19       | 104.00           | 134.67            | 99.00           | 1        |            |         |           |        |          | I |
| I | P2231F4-33-18                | 4            | 4.73                 | 12       | 107.00           | 137.00            | 94.00           | 1        |            |         |           |        |          | I |
| I | P2231F4-40-10                | 5            | 4.80                 | 5        | 107.67           | 138.00            | 93.33           | 1        |            |         |           |        |          | I |
| I | P2231F4-42-10                | 6            | 4.75                 | 10       | 109.00           | 139.33            | 94.33           | 1        |            |         |           |        |          | I |
| I | P2231F4-45-18                | 7            | 5.19                 | 2        | 107.33           | 140.00            | 94.33           | 1        |            |         |           |        |          | I |
| I | P2231F4-61-18                | 8            | 4.63                 | 15       | 110.33           | 139.67            | 92.33           | 1        |            |         |           |        |          | I |
| I | P2231F4-71-18                | 9            | 4.91                 | 4        | 110.00           | 140.00            | 93.00           | 1        |            |         |           |        |          | I |
| I | POKKALI (T.R.SALIN.)         | 10           | 1.59                 | 30       | 100.00           | 126.00            | 162.00          | 9        |            |         |           |        |          | I |
| I | P2231F4-73-18                | 11           | 4.17                 | 23       | 109.00           | 139.00            | 94.00           | 1        |            |         |           |        |          | I |
| I | P2231F4-112-18               | 12           | 4.27                 | 22       | 110.33           | 139.67            | 95.00           | 1        |            |         |           |        |          | I |
| I | P2231F4-136-18               | 13           | 4.80                 | 6        | 110.00           | 140.00            | 94.33           | 1        |            |         |           |        |          | I |
| I | IR43                         | 14           | 4.74                 | 11       | 103.00           | 134.00            | 93.00           | 1        |            |         |           |        |          | I |
| I | IR9753-11-2-2-3              | 15           | 4.33                 | 21       | 102.33           | 134.00            | 105.00          | 1        |            |         |           |        |          | I |
| I | IR4432-52-5-4                | 16           | 4.50                 | 17       | 110.00           | 139.67            | 96.67           | 1        |            |         |           |        |          | I |
| I | IR9761-19-1                  | 17           | 4.12                 | 25       | 88.33            | 119.00            | 87.67           | 1        |            |         |           |        |          | I |
| I | IR11480-19-2-3               | 18           | 4.78                 | 8        | 91.00            | 121.67            | 101.33          | 1        |            |         |           |        |          | I |
| I | IR4422-5-2-3-1               | 19           | 5.03                 | 3        | 111.33           | 141.00            | 109.00          | 1        |            |         |           |        |          | I |
| I | MI49 (T.S.SALIN.)            | 20           | 2.75                 | 29       | 100.00           | 129.00            | 120.00          | 1        |            |         |           |        |          | I |
| I | IR13299-96-2-2               | 21           | 4.13                 | 24       | 99.00            | 129.00            | 87.00           | 1        |            |         |           |        |          | I |
| I | IR5853-118-5                 | 22           | 4.01                 | 26       | 97.67            | 130.00            | 95.67           | 1        |            |         |           |        |          | I |
| I | IR2307-217-2-3               | 23           | 3.95                 | 28       | 92.67            | 123.00            | 87.67           | 1        |            |         |           |        |          | I |
| I | IP4227-109-1-3-3             | 24           | 3.98                 | 27       | 109.33           | 139.67            | 117.67          | 1        |            |         |           |        |          | I |
| I | IR7545-27-3-2                | 25           | 4.70                 | 13       | 105.67           | 136.33            | 102.33          | 1        |            |         |           |        |          | I |
| I | IR8073-65-6-1                | 26           | 4.79                 | 7        | 108.33           | 138.67            | 109.33          | 1        |            |         |           |        |          | I |
| I | IR8192-200-3-3-1-1           | 27           | 4.66                 | 14       | 108.00           | 138.00            | 107.67          | 1        |            |         |           |        |          | I |
| I | IR11418-15-2                 | 28           | 4.37                 | 20       | 91.67            | 121.67            | 98.67           | 1        |            |         |           |        |          | I |
| I | IR5931-110-1 (T.S.ALCAL.)    | 29           | 4.78                 | 9        | 100.00           | 130.33            | 112.00          | 1        |            |         |           |        |          | I |
| I | IR46 (T.R.ALCAL.)            | 30           | 5.33                 | 1        | 108.00           | 138.00            | 104.00          | 1        |            |         |           |        |          | I |
| I | PROMEDIO GENERAL             |              | 4.41                 |          | 104.39           | 134.51            | 100.67          | 1.3      |            |         |           |        |          | I |
| I | DESVIACION ESTANDAR          |              | 0.42                 |          | 0.93             | 0.95              | 3.49            |          |            |         |           |        |          | I |
| I | COEFICIENTE DE VARIACION (%) |              | 9.62                 |          | 0.80             | 0.70              | 3.47            |          |            |         |           |        |          | I |
| I | VALOR F PARA COMP. VARIETAL  |              | 8.58                 |          | 168.35           | 141.57            | 48.46           |          |            |         |           |        |          | I |
| I | PRUB. > F                    |              | 0.0001               |          | 0.0001           | 0.0001            | 0.0001          |          |            |         |           |        |          | I |
| I | D.H.S. (SX)                  |              | 0.09                 |          | 1.30             | 1.55              | 5.71            |          |            |         |           |        |          | I |

CUADRO NO. 7.5 VISCAL, 1982.  
 SEXTO VIVERO INTERNACIONAL DE OBSERVACION DE ARROZ PARA SALINIDAD Y ALCALINIDAD EN AMERICA LATINA  
 PROBA NO. 2

COOPERADOR : HUMERO QUINTERO SEOWNE

```

=====
PAIS..... MEXICO                TEMPERATURA MIN.... 20 GR.C      TEXTURA..... ARCILLOSO
LOCALIDAD..... CHETUMAL          MAX..... 30 GR.C      PH..... 6.7
EST.EXPERIMENTAL.. CAMPO AGR.CHETUMAL  PROM... 25 GR.C      FERTILIZACION... 50 N 39 P K
LATITUD..... 18 GR. 31' N        PRECIPITACION..... 891MM
LONGITUD..... 88 GR. 29' W       DIAS LLUVIOSUS..... 36
ALTITUD (MNN).... 25              PROTECCION CONTRA: ENFERMEDADES.. NINGUNA
                                           INSECTOS..... NINGUNA
=====
    
```

SISTEMA DE CULTIVO: SECANO FAVORECIDO COMENTARIOS: SITIO SIN PROBLEMAS DE SALFS

| I | (                            | LINEA  | RENDIMIENTO | DIAS A   | DIAS A    | ALTURA LDG | SAL    | ALCAL | SAL  | ALCAL | SAL | ALCAL | I  |
|---|------------------------------|--------|-------------|----------|-----------|------------|--------|-------|------|-------|-----|-------|----|
| I | VARIEDAD                     | CODIGO | (TON/HA)    | POSICION | FLORACION | MADURACION | (CM)   | PLAN  | PLAN | TIL   | TIL | MT    | MT |
| I | P2231F4-2-19                 | 1      |             |          | 100.00    |            |        |       |      |       |     |       | I  |
| I | P2231F4-4-1B                 | 2      | 3.01        | 10       | 100.00    | 132.50     | 60.00  | 1     |      |       |     |       | I  |
| I | P2231F4-13-10                | 3      | 3.92        | 4        | 94.33     | 130.00     | 71.67  | 2     |      |       |     |       | I  |
| I | P2231F4-33-16                | 4      | 4.19        | 3        | 94.50     | 127.50     | 67.50  | 2     |      |       |     |       | I  |
| I | P2231F4-40-1B                | 5      |             |          |           |            |        |       |      |       |     |       | I  |
| I | P2231F4-42-1B                | 6      | 2.92        | 13       | 100.00    | 132.50     | 62.50  | 2     |      |       |     |       | I  |
| I | P2231F4-45-1B                | 7      | 3.20        | 6        | 100.00    | 133.33     | 65.00  | 1     |      |       |     |       | I  |
| I | P2231F4-61-10                | 8      | 4.47        | 1        | 95.00     | 130.00     | 65.00  | 1     |      |       |     |       | I  |
| I | P2231F4-71-16                | 9      | 3.89        | 5        | 95.00     | 132.50     | 60.00  | 1     |      |       |     |       | I  |
| I | POKKALI(T.S.SALIN.)          | 10     | 3.11        | 9        |           | 120.00     | 110.00 | 9     |      |       |     |       | I  |
| I | P2231F4-73-1B                | 11     | 1.42        | 27       | 95.00     | 130.00     | 63.00  | 3     |      |       |     |       | I  |
| I | P2231F4-112-1B               | 12     | 2.21        | 21       | 100.00    | 135.00     | 65.00  | 3     |      |       |     |       | I  |
| I | P2231F4-136-1B               | 13     | 4.31        | 2        | 95.00     | 128.50     | 67.00  | 2     |      |       |     |       | I  |
| I | IR43                         | 14     | 2.64        | 17       | 95.00     | 125.00     | 67.00  | 1     |      |       |     |       | I  |
| I | IR9761-11-2-2-3              | 15     | 2.87        | 15       | 95.00     | 120.00     | 70.00  | 2     |      |       |     |       | I  |
| I | IR4432-52-0-4                | 16     | 2.15        | 22       | 84.00     | 117.50     | 53.00  | 3     |      |       |     |       | I  |
| I | IR9761-19-1                  | 17     | 2.68        | 16       | 73.00     | 110.00     | 65.00  | 5     |      |       |     |       | I  |
| I | IR11480-19-2-3               | 18     | 2.14        | 23       | 73.00     | 107.50     | 57.50  | 4     |      |       |     |       | I  |
| I | IR4422-5-2-3-1               | 19     | 3.17        | 3        | 86.67     | 121.67     | 75.67  | 1     |      |       |     |       | I  |
| I | MI48(T.S.SALIN.)             | 20     | 2.56        | 19       | 83.33     | 118.33     | 98.00  | 4     |      |       |     |       | I  |
| I | IR13299-96-2-2               | 21     | 2.22        | 20       | 85.00     | 115.00     | 56.00  | 2     |      |       |     |       | I  |
| I | IR5853-118-5                 | 22     | 2.90        | 14       | 90.00     | 120.00     | 63.50  | 3     |      |       |     |       | I  |
| I | IR2307-217-2-3               | 23     | 0.72        | 28       | 80.00     | 110.00     | 45.00  | 3     |      |       |     |       | I  |
| I | IR4227-109-1-3-3             | 24     | 2.12        | 24       | 90.00     | 122.50     | 62.50  | 2     |      |       |     |       | I  |
| I | IR7545-27-3-2                | 25     | 2.96        | 11       | 79.00     | 67.50      | 67.00  | 3     |      |       |     |       | I  |
| I | IR8073-55-6-1                | 26     | 2.41        | 19       | 81.50     | 120.00     | 59.00  | 2     |      |       |     |       | I  |
| I | IR8192-200-3-3-1-1           | 27     | 2.96        | 12       | 78.00     | 115.00     | 66.67  | 3     |      |       |     |       | I  |
| I | IR11418-15-2                 | 28     | 1.81        | 26       | 73.00     | 112.50     | 56.50  | 8     |      |       |     |       | I  |
| I | IR5931-110-1(T.S.ALCAL.)     | 29     | 1.91        | 25       | 79.00     | 115.00     | 75.00  | 3     |      |       |     |       | I  |
| I | IR46(T.S.ALCAL.)             | 30     | 3.12        | 7        | 90.00     | 125.00     | 71.00  | 3     |      |       |     |       | I  |
| I | PROMEDIO GENERAL             |        | 2.78        |          | 88.30     | 120.51     | 66.61  | 2.3   |      |       |     |       | I  |
| I | DESVIACION ESTANDAR          |        | 0.81        |          | 3.15      | 15.18      | 5.60   |       |      |       |     |       | I  |
| I | COEFICIENTE DE VARIACION (%) |        | 27.80       |          | 3.54      | 12.57      | 8.35   |       |      |       |     |       | I  |
| I | VALOR F PARA COMP. VARIETAL  |        | 1.92        |          | 15.08     | 1.43       | 8.44   |       |      |       |     |       | I  |
| I | PROB. > F                    |        | 0.0552      |          | 0.0001    | 0.1873     | 0.0001 |       |      |       |     |       | I  |
| I | D.M.S. (5%)                  |        | 1.37        |          | 5.33      | 25.59      | 9.43   |       |      |       |     |       | I  |

COOPERADOR : RAKUN ANTONIO CINCO CASTRO

```

=====
PAIS..... MEXICO          TEMPERATURA MIN.... 15 GR.C      TEXTURA..... ARCILLOSO
LOCALIDAD..... MEXICALI    MAX..... 32 GR.C          PH..... 7.8
EST. EXPERIMENTAL.. CAMPO AGR. EXP. MEXICALI  PROM..... 24 GR.C        FERTILIZACION... 140 N   22 P   K
LATITUD..... 31 GR. 49' N  PRECIPITACION..... 120MM
LONGITUD..... 114 GR. 45' W  DIAS LLUVIOSOS..... 9
ALTITUD (MSNM).... 0
PROTECCION CONTRA: ENFERMEDADES..
INSECTOS.....
=====
    
```

SISTEMA DE CULTIVO: RIEGO

COMENTARIOS: DAÑO POR BAJAS TEMPERATURAS

| I | VARIEDAD                     | LINEA RENDIMIENTO<br>CODIGO (TON/HA) | POSICION | DIAS A<br>FLURACION | DIAS A<br>MADURACION | ALTURA LDG<br>{CM} | SAL<br>PLAN | ALCAL<br>PLAN | SAL<br>TIL | ALCAL<br>TIL | SAL<br>MT | ALCAL<br>MT | I |
|---|------------------------------|--------------------------------------|----------|---------------------|----------------------|--------------------|-------------|---------------|------------|--------------|-----------|-------------|---|
| I | P2231F4-2-1B                 | 1                                    |          |                     |                      |                    | 3           |               | 2          |              |           |             | I |
| I | P2231F4-4-1B                 | 2                                    |          |                     |                      |                    | 2           |               | 2          |              |           |             | I |
| I | P2231F4-13-1B                | 3                                    |          |                     |                      |                    | 2           |               | 2          |              |           |             | I |
| I | P2231F4-33-1B                | 4                                    |          |                     |                      |                    | 2           |               | 3          |              |           |             | I |
| I | P2231F4-40-1B                | 5                                    |          |                     |                      |                    | 3           |               | 2          |              |           |             | I |
| I | P2231F4-42-1B                | 6                                    |          |                     |                      |                    | 3           |               | 3          |              |           |             | I |
| I | P2231F4-45-1B                | 7                                    |          |                     |                      |                    | 3           |               | 3          |              |           |             | I |
| I | P2231F4-61-1B                | 8                                    |          |                     |                      |                    | 3           |               | 3          |              |           |             | I |
| I | P2231F4-71-1B                | 9                                    |          |                     |                      |                    | 2           |               | 2          |              |           |             | I |
| I | POKKALI(T.S.SALIN.)          | 10                                   |          |                     |                      |                    | 2           |               | 2          |              |           |             | I |
| I | P2231F4-73-1B                | 11                                   |          |                     |                      |                    | 3           |               | 3          |              |           |             | I |
| I | P2231F4-112-1B               | 12                                   |          |                     |                      |                    | 3           |               | 3          |              |           |             | I |
| I | P2231F4-136-1B               | 13                                   |          |                     |                      |                    | 3           |               | 5          |              |           |             | I |
| I | IR43                         | 14                                   |          |                     |                      |                    | 3           |               | 3          |              |           |             | I |
| I | IR9763-11-2-2-3              | 15                                   |          |                     |                      |                    | 5           |               | 5          |              |           |             | I |
| I | IR4432-52-6-4                | 16                                   |          |                     |                      |                    | 5           |               | 5          |              |           |             | I |
| I | IR9761-19-1                  | 17                                   | 2.80     | 1                   | 80.00                | 110.00             | 58.50       | 3             | 3          |              | 2         |             | I |
| I | IR11400-19-2-3               | 18                                   | 2.20     | 2                   | 36.00                | 115.50             | 61.00       | 3             | 3          |              | 2         |             | I |
| I | IR4422-6-2-3-1               | 19                                   |          |                     |                      |                    | 3           |               | 2          |              |           |             | I |
| I | MI48(T.S.SALIN.)             | 20                                   |          |                     |                      |                    | 2           |               | 2          |              |           |             | I |
| I | IR13299-96-2-2               | 21                                   | 1.36     | 5                   | 89.00                | 120.00             | 69.00       | 5             | 3          |              | 3         |             | I |
| I | IR5653-118-5                 | 22                                   |          |                     | 100.00               |                    | 65.00       | 5             | 5          |              |           |             | I |
| I | IR2307-217-2-3               | 23                                   | 1.80     | 3                   | 36.00                | 115.00             | 53.50       | 4             | 3          |              | 3         |             | I |
| I | IR4227-109-1-3-3             | 24                                   |          |                     |                      |                    | 3           |               | 3          |              |           |             | I |
| I | IR7545-27-3-2                | 25                                   |          |                     |                      |                    | 7           |               | 8          |              |           |             | I |
| I | IR5073-65-6-1                | 26                                   |          |                     |                      |                    | 5           |               | 7          |              |           |             | I |
| I | IR8192-200-3-3-1-1           | 27                                   |          |                     |                      |                    | 5           |               | 3          |              |           |             | I |
| I | IR11418-15-2                 | 28                                   | 1.50     | 4                   | 89.00                | 120.00             | 64.00       | 3             | 3          |              | 3         |             | I |
| I | IR5931-110-1(T.S.ALCAL.)     | 29                                   |          |                     |                      |                    | 3           |               | 3          |              |           |             | I |
| I | IR46(T.S.ALCAL.)             | 30                                   |          |                     |                      |                    | 3           |               | 3          |              |           |             | I |
| I | PROMEDIO GENERAL             | 1.93                                 |          | 88.33               | 116.10               | 61.83              | 3.4         |               | 3.3        |              | 2.6       |             | I |
| I | DESVIACION ESTANDAR          |                                      |          | 0.00                | 0.32                 | 0.00               |             |               |            |              |           |             | I |
| I | COEFICIENTE DE VARIACION (X) | 0.00                                 |          | 0.00                | 0.27                 | 0.00               |             |               |            |              |           |             | I |
| I | VALOR F PARA COMP. VARIETAL  |                                      |          |                     | 346.00               |                    |             |               |            |              |           |             | I |
| I | PROB. > F                    |                                      |          |                     | 0.0001               |                    |             |               |            |              |           |             | I |
| I | D.M.S. (5%)                  |                                      |          | 0.00                | 0.88                 | 0.00               |             |               |            |              |           |             | I |

