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production and yield trends
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WORLD CASSAVA PRODUCTION AND YIELD TRENDS

1960-1968

Tendencias de la producción mundial y
rendimiento de la yuca

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Agricultural Economics Program

Programa de Economía Agrícola

CENTRO INTERNACIONAL DE AGRICULTURA TROPICAL

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FOREWORD

Centro Internacional de Agricultura Tropical (CIAT) is an international research and training center aimed at accelerating agricultural and economic development in the lowland tropics.

Research aimed at increasing production and productivity of cassava is one of the principal activities carried out by the Center.

The present report makes available a compilation of secondary data on area, production and yields of cassava and analyses recent historical trends in per capita cassava production in 82 countries.

Being the first of a series of studies to be carried out on cassava by the Program of Agricultural Economics, it is aimed at providing cassava researchers with easy access to basic statistical information.

Studies on cassava production systems, price fluctuations and future demand potential for cassava are in progress and will be published upon completion.

Comments and suggestions with respect to this report and future research needs would be appreciated.


Per Pinstrup-Andersen
Leader, Program of
Agricultural Economics

ACKNOWLEDGMENT

The elaboration of this study was guided by Gerald I. Trant and Per Pinstруп-Andersen.

The diagrams were done by Maria Eugenia Alvarez and Armando Martínez.

The collaboration of these and other persons who assisted in this study is acknowledged.

INTRODUCTION

Although cassava is an important source of carbohydrates for the population of a large number of tropical countries, research aimed at increasing the production and productivity of this crop has been relatively scarce.

The objective of this report was to recompile certain basic data on the production of cassava and analyze past trends of the relationship between cassava production and population for each of the cassava producing countries.

DATA SOURCES

Basic data were obtained from statistical bulletins issued by the Food and Agricultural Organization of the United Nations (FAO) and the General Agreement on Tariff and Trade (GATT).

Definitions

The following symbols are used in the tables:

- None or a negligible quantity (less than one-half of the unit indicated) or entry not applicable.

... Data not available.

To divide the decimals from the whole number, a period (.) is used. For a number of African countries, the term "Farms and Estates" refers to enterprises mainly operated on a commercial basis and adequately covered

by the agricultural surveys. "Villages" refer to small farms utilizing traditional production methods.

METHODOLOGY

The tendency in the production of cassava per capita was estimated by simple linear regression, utilizing the equation $y = a + bx$, where "y" is production per capita in kilograms and "x" is a code for years. The coefficient "a" expresses estimated production per capita in kilograms in the year prior to the first year for which information was available. The coefficient "b" indicates the change in per capita cassava production in kilograms per year during the period under consideration.

Some of the countries analyzed show a definite trend during part of the period for which data were available, but not for the whole period. An additional regression analysis including only the years for which a trend was apparent was carried out for these countries. The regression line referring to the total period is indicated by a full line while the partial regression line is shown by a broken line. As indicated by the correlation coefficient (R^2), some of the countries show such large annual production fluctuations that no trend was apparent.

MAJOR FINDINGS

The area planted with cassava shows an increasing trend of about 200,000 hectares per year during the period under consideration (Table 45).

The largest increases are found in Africa and South America with annual increases of 480,000 and 124,000 hectares, respectively.

World cassava production likewise shows an upward trend. During the period under consideration, world production increased by approximately two million metric tons annually, again with Africa and South America being the major contributors. World cassava yields showed no change during the period (Table 46). Africa shows a decreasing yield trend of about 110 kg/ha. annually while an increasing trend of 90 kg/ha. was estimated for South America. The production per capita increased by approximately 7.5 kilograms annually in South America but decreased for the rest of the world. World production per capita appears to have been constant during the period 1963-68.

About 40 percent of the total world production of cassava comes from South America (Table 27) and is produced on about 25 percent of the world cassava area planted (Table 15). Africa is second with about 36 percent of the total production but utilizes almost one-half of the world cassava area.

Being the major cassava producer in the world, Brazil produces about one-third of the total world production and about 85 percent of the South American production (Table 1). Second in importance is Indonesia with about 15 percent of total world production.

The highest average yields by continent are found in South America with about 14 tons/ha. (Table 33), followed by Oceania, 11 tons/ha. Estimated yields for Africa are less than half of those for South America. Among countries, the highest yields are found in Malawi, 23 tons/ha., followed by Brazil, 20 tons/ha. (Table 2). Average world yields are esti-

mated to be 8.69 tons/ha.

Production per capita was estimated at about 200 kilograms for South America and 144 kilograms for Africa (Table 39). Average production per capita for the countries included in the analysis was estimated at 69 kilograms. Three countries showed an annual per capita production above 600 kilograms: Central African Republic, Paraguay and Togo (Table 3). The tendencies of production per capita by country are shown in Figures 1 to 82.

As shown by the figures, most countries show a decreasing trend indicating that population expansions exceeded increases in cassava production.

PROLOGO

El Centro Internacional de Agricultura Tropical (CIAT) es un centro internacional de investigación y adiestramiento, dirigido para acelerar el desarrollo agrícola y económico en las tierras bajas del trópico.

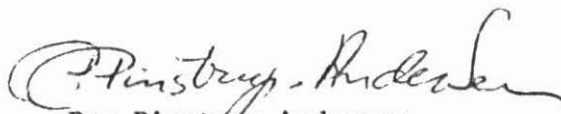
La investigación dirigida al incremento de la producción y la productividad de yuca es una de las principales actividades llevadas a cabo por el Centro.

El presente informe hace disponible una compilación de datos secundarios sobre área, producción y rendimientos de yuca y analiza recientes tendencias históricas en la producción de yuca per cápita en 82 países.

Siendo este el primero de una serie de estudios los cuales van a ser llevados a cabo sobre yuca por el Programa de Economía Agrícola, esta dirigido para proveer a los investigadores de yuca fácil acceso sobre la información estadística básica.

Estudios sobre sistemas de producción de yuca, fluctuaciones de los precios y demanda potencial futura para yuca están en adelanto y serán publicados una vez terminados.

Sus comentarios y sugerencias con relación a este informe y futuras investigaciones serían muy apreciados.


Per Pinstrup-Andersen
Lider, Programa de
Economía Agrícola

AGRADECIMIENTO

La elaboración de este estudio fue orientada por Gerald I. Trant y Per Pinstруп-Andersen.

Los diagramas fueron elaborados por María Eugenia Alvarez y Armando Martínez.

Numerosas personas colaboraron en este estudio. A todas ellas muchas gracias.

INTRODUCCION

A pesar de que la yuca es una fuente importante de carbohidratos para la población de un gran número de países tropicales, la investigación dirigida al incremento de la producción y productividad de este cultivo ha sido relativamente escasa.

El objetivo de este informe fué recopilar cierta información básica sobre producción de yuca y analizar las tendencias pasadas de la relación entre producción de yuca y población para cada uno de los países productores de yuca.

FUENTE DE INFORMACION

La información básica fué obtenida de los boletines estadísticos publicados por la Organización de las Naciones Unidas para la Agricultura y la Alimentación (FAO) y el Acuerdo General sobre Aranceles y Comercio (GATT).

Definiciones

Los siguientes símbolos son empleados en las tablas:

- Nada o cantidad insignificante (menos de la mitad de la unidad indicada), o partida no aplicable.

... No se dispone de datos.

Los decimales se separan de los enteros por un punto (.).

Para un número de países africanos, el término "Farms and Estates"

se refiere a empresas manejadas principalmente sobre una base comercial y adecuadamente explotadas por una agricultura desarrollada. "Villages" se refiere a pequeñas granjas que están utilizando métodos de producción tradicionales.

METODOLOGIA

La tendencia en la producción per cápita de yuca fué estimada por una regresión lineal simple, utilizando la ecuación $y = a + bx$, donde "y" es producción per cápita en kilogramos y "x" es el código para años. El coeficiente "a" expresa la producción estimada per cápita en kilogramos en el año previo al primer año para el cual la información fué disponible. El coeficiente "b" indica el cambio en la producción de yuca en kilogramos per cápita durante el periodo considerado.

Algunos de los países analizados muestran una tendencia definida en alguna parte durante el periodo para el cual se disponía de datos, pero no para el periodo completo. Se hizo un análisis de regresión adicional incluyendo solamente los años en los cuales se presentaba una tendencia aparente en esos países. La línea de regresión que se refiere al periodo total está indicada por una línea continua mientras que la línea de regresión parcial con una línea punteada. Como está expresado por medio del coeficiente de correlación (R^2), algunos de los países presentan una fluctuación grande en la producción anual sin ninguna tendencia aparente.

CONCLUSIONES

El área sembrada con yuca muestra un incremento de 200.000 hectáreas por año durante el período considerado (Tabla 45). Los mayores incrementos son encontrados en Africa y Sur América con incrementos anuales de 480.000 y 124.000 hectáreas respectivamente.

De la misma forma, la producción mundial de yuca presenta una tendencia ascendente. Durante el período considerado, la producción mundial se incrementó en dos millones de toneladas métricas anuales, aproximadamente, siendo Africa y Sur América los principales contribuyentes. El rendimiento mundial de yuca no presentó cambios durante el período (Tabla 46). El Africa presenta un descenso en la tendencia en rendimiento de cerca de 110 kilogramos por hectárea anualmente, mientras que en Sur América se presenta un incremento en la tendencia de 90 kilogramos hectárea. La producción per cápita se incrementó en 7.5 kilogramos anuales en Sur América pero decreció para el resto de continentes considerados. La producción per cápita parece haber sido constante durante el período 1963-1968.

Cerca del 40 por ciento de la producción mundial de yuca proviene de Sur América (Tabla 27) y es producida sobre un 25 por ciento del área mundial sembrada. Africa es el segundo con un 36 por ciento de la producción total pero utiliza casi la mitad del área mundial sembrada con yuca.

Siendo el principal productor de yuca en el mundo, Brasil produce cerca de un tercio de la producción total del mundo y cerca del 85 por

ciento de la producción en Sur América (Tabla 1). El segundo en importancia es Indonesia con un 15 por ciento de la producción mundial.

Los más altos rendimientos promedios se encuentran en Sur América con cerca de 14 toneladas por hectárea (Tabla 33), seguido por Oceanía, 11 toneladas por hectárea. Los rendimientos estimados para África son menos de la mitad de los de Sur América. Entre países, los más altos rendimientos se encontraron en Malawi, 23 toneladas por hectárea, seguido por Brasil, 20 toneladas por hectárea (Tabla 2). Los rendimientos promedios mundiales están estimados en 8.69 toneladas por hectárea.

La producción per cápita fue estimada alrededor de 200 kilogramos para África (Tabla 39). La producción per cápita promedio para los países incluidos en el análisis fue estimada en 69 kilogramos. Tres países mostraron una producción anual per cápita por encima de 600 kilogramos: República Centro Africana, Paraguay y Togo (Tabla 3). Las tendencias en la producción per cápita por países se presentan en las Figuras 1 a 82.

Como se presenta en las figuras, la mayoría de los países muestran una tendencia descendente indicando que el crecimiento de la población excede al incremento en la producción de yuca.

SELECTED COUNTRY COMPARISON

Comparaciones seleccionadas entre paises

TABLE No. 1
PRODUCTION, AREA PLANTED AND YIELDS OF CASSAVA FOR MAJOR
PRODUCING COUNTRIES AVERAGE 1966-1968 1/

	Average annual production 1966 - 1968	Percent of total world production <u>2/</u>	Average area planted 1966 - 1968
<u>Countries</u>	Promedio anual de producción	Porcentaje total mundial producción	Area Promedio
	1.000 tons.		1.000 Ha.

TABLA No. 1
PRODUCCION AREA SEMBRADA Y RENDIMIENTOS PARA LA MAYORIA
DE LOS PAISES PRODUCTORES, PROMEDIO 1966-1968 1/

	Percent of total area planted <u>3/</u>	Average yield 1966 - 1968	Index of aver ge yield. 1966 - 1968 <u>4/</u>	
	Porcentaje total de area sembrada	Rendimiento promedio	Indice de rendimiento promedio	<u>P a i s e s</u>
		Tons. / Ha.		
Brazil (South Ame.)	20.54	19.57	225.25	Brasil (América del Sur)
Indonesia (Asia)	16.90	7.51	86.44	Indonesia (Asia)
Congo D. Rep. (Africa)	8.07	10.82	124.54	Rep.Dem. del Congo (Africa)
Nigeria (Africa)	12.27	5.80	66.76	Nigeria (Africa)
India (Asia)	3.22	13.15	151.36	India (Asia)
Uganda (Africa)	5.67	3.68	42.36	Uganda (Africa)
Thailand (Asia)	1.39	14.60	168.05	Tailandia (Asia)
Angola (Africa)	1.25	13.06	150.32	Angola (Africa)
Paraguay (South America)	1.07	14.73	169.54	Paraguay (América del Sur)
Ghana (Africa)	1.80	7.60	87.48	Ghana (Africa)
Dahomey (Africa)	1.92	6.27	72.17	Dahomey (Africa)
Togo (Africa)	1.55	7.53	86.67	Togo (Africa)
Central Afric. Rep. (Africa)	2.16	5.00	57.55	Rep. Centro Africana (Africa)

TABLE No. 1 (cont.)

Countries	Average annual production 1966 - 1968	Percent of total world production 2/	Average area planted 1966 - 1968	Percent of total area planted 3/	Average yield 1966 - 1968	Index of a ge yield. 1966 - 1968 4/	P a i s e s
	Promedio anual de producción 1.000 tons.	Porcentaje total mundial producción	Area Promedio 1.000 ha.	Porcentaje total de area sembrada	Rendimiento promedio Tons. / Ha.	Indice de rendimiento promedio	
Ivory Coast (Africa)	891	1.10	197	2.13	4.52	52.03	Costa de Marfil (Africa)
Madagascar (Africa)	863	1.07	313	3.38	2.75	31.65	Madagascar (Africa)
Colombia (South America)	863	1.07	146	1.58	5.91	68.02	Colombia (América del Sur)
Burundi (Africa)	858	1.06	73	0.79	11.70	134.67	Burundi (Africa)

1/ "A major producing country" is defined as a country producing more than one percent of total world production.

2/ Total world production: 80'596.000 tons.

3/ Total area planted: 9'234.000 has.

4/ Average world yield (8.69 tons/ha.) = 100

1/ Un país de mayor producción se define como un país que produce mas del 1% del total de la producción mundial.

2/ Producción mundial total: 80'596.000 tons.

3/ Area Total sembrada: 9'234.000 ha.

4/ Rendimiento promedio mundial (8,69 ton. x ha.) = 100

TABLE No. 2
AVERAGE ANNUAL YIELD FOR COUNTRIES SHOWING YIELDS OF 10 TONS/HA.
AND ABOVE, 1966 - 1968

TABLA No. 2
RENDIMIENTO PROMEDIO ANUAL PARA PAISES MOSTRANDO
RENDIMIENTO POR ENCIMA DE 10 TON/HA, 1966 - 1968

<u>C o u n t r i e s</u>	Average Yield 1966 - 1968	Index of Average Yield 1966 - 1968 <u>1/</u>	<u>P a i s e s</u>
	<u>Rendimiento Promedio</u> tons / Ha.	<u>Indice de rendimiento</u>	
Malawi (Africa)	22.89	263.46	Malawi (Africa)
Brazil (South America)	19.57	225.25	Brasil (América del Sur)
Mali (Africa)	16.51	190.03	Mali (Africa)
Malaysia, West (Asia)	16.21	186.58	Malasia Occidental (Asia)
Bolivia (South America)	15.97	183.81	Bolivia (América del Sur)
Taiwan (Asia)	15.85	182.43	Taiwan (Asia)
Paraguay (South America)	14.73	169.54	Paraguay (América del Sur)
Thailand (Asia)	14.60	168.05	Tailandia (Asia)
Cambodia (Asia)	14.50	166.90	Camboya (Asia)
Guinea (Africa)	14.43	166.09	Guinea (Africa)
India (Asia)	13.15	151.36	India (Asia)
Angola (Africa)	13.06	150.32	Angola (Africa)
Rwanda (Africa)	12.45	143.30	Ruanda (Africa)
Perú (South America)	12.05	138.70	Perú (América del Sur)
Laos (Asia)	12.00	138.12	Laos (Asia)

TABLA No. 2 (cont.)

<u>C o u n t r i e s</u>	Average Yield 1966 - 1968	Index of Average Yield 1966 - 1968 <u>1/</u>	<u>P a i s e s</u>
	<u>Rendimiento Promedio</u> tons./ Ha.	<u>Indice de rendimiento</u>	
Fiji (Oceania)	11.71	134.78	Fiji (Oceanía)
Burundi (Africa)	11.70	134.78	Burundi (Africa)
Argentina (South America)	11.51	132.48	Argentina (América del Sur)
Tonga (Oceania)	11.00	126.61	Tonga (Oceanía)
Congo D. Rep. (Africa)	10.82	124.54	Rep. Dem. del Congo (Africa)
Somalia (Africa)	10.50	120.86	Somalia (Africa)
Dominican Rep. (Centro América)	10.20	117.40	Rep. Dominicana (Centro América)
Guyana (South América)	10.00	115.10	Guyana (América del Sur)

1/ Average world yield (8.69 tons/ha.) = 100

1/ Promedio de rendimiento mundial (8.69 tons/ha.)= 100

TABLE No. 3

AVERAGE ANNUAL PRODUCTION PER CAPITA FOR COUNTRIES SHOWING
PRODUCTION OF 100 KGR. PER CAPITA AND ABOVE, 1966 - 1968

<u>C o u n t r i e s</u>	PRODUCTION PER CAPITA
	PRODUCCION PER CAPITA
	Kgrs.
Central Africa Rep. (Africa)	686.16
Paraguay (South America)	678.66
Togo (Africa)	628.63
Congo D. Rep. (Africa)	496.68
Congo Brazzaville (Africa)	465.15
Dahomey (Africa)	450.68
Liberia (Africa)	387.46
Brazil (South America)	315.49
Angola (Africa)	287.73
Tonga (Oceania)	269.94
Gabón (Africa)	267.39
Burundi (Africa)	254.43
Uganda (Africa)	243.72
Ivory Coast (Africa)	218.48

TABLA No. 3

PROMEDIO ANUAL DE LA PRODUCCION PER CAPITA PARA PAISES
MOSTRANDO UNA PRODUCCION POR ENCIMA DE 100 KGR. PER
CAPITA, 1966 - 1968

<u>P a i s e s</u>	INDEX OF PRODUCTION PER CAPITA <u>1/</u>
	INDICE DE PRODUCCION PER CAPITA
Rep. Centro Africana (Africa)	998.43
Paraguay (América del Sur)	987.51
Togo (Africa)	914.71
Rep. Dem. del Congo (Africa)	722.71
Rep. del Congo (Africa)	676.83
Dahomey (Africa)	655.78
Liberia (Africa)	563.79
Brasil (América del Sur)	459.06
Angola (Africa)	418.67
Tonga (Oceanía)	392.78
Gabón (Africa)	389.07
Burundi (Africa)	370.22
Uganda (Africa)	354.06
Costa de Marfil (Africa)	317.91

TABLA No. 3 (cont.)

<u>C o u n t r i e s</u>	PRODUCTION PER CAPITA	INDEX OF PRODUCTION PER CAPITA <u>1/</u>	<u>P a i s e s</u>
	PRODUCCION PER CAPITA Kgrs.	INDICE DE PRODUCCION PER CAPITA	
Fiji (Oceania)	164.33	239.11	Fiji (Oceania)
Ghana (Africa)	154.85	225.32	Ghana (Africa)
Equat. Guinea (Africa)	146.97	213.85	Guinea Ecuatorial (Africa)
French Guiana (South America)	138.90	202.11	Guayana Francesa (América del Sur)
East & West Cameroon (Africa)	138.83	202.01	Camerun Oriental y Occidental (Africa)
Madagascar (Africa)	132.08	192.18	Madagascar (Africa)
Comoro Islands (Africa)	128.94	187.62	Islas Comoras (Africa)
Guinea (Africa)	116.89	170.08	Guinea (Africa)
Nigeria (Africa)	105.84	154.00	Nigeria (Africa)
Indonesia (Asia)	105.77	153.90	Indonesia (Asia)

1/ Average per capita production for the countries included in the overall analysis (68.72 Kg/capita) = 190

1/ Promedio de producción per capita para los países incluidos en el análisis total (68,72 kg/capita)= 100

A R E A P L A N T E D W I T H C A S S A V A

A R E A S E M B R A D A C O N Y U C A

(1.000 HECTAREAS)

TABLE 4
AREA PLANTED WITH CASSAVA (1,000 HA.)
A F R I C A

Country	1960	1961	1962	1963	1964	1965	1966	1967	1968	P a f s
Angola	-	-	-	110	110	115	115	115	120	Angola
Burundi	...	...	...	74	75	70	72	73	75	Burundi
Central Afric. Rep.	220	220	220	200	200	200	200	200	200	Rep.Centro Africana
Comoro Islands	...	...	...	15	15	15	15	15	15	Islas Comoras
Congo Brazzaville	100	...	...	150	120	100	100	100	100	Rep. del Congo
Congo D. Rep.	...	...	...	550	550	668	748	740	750	Rep. Dem. del Congo
Chad	...	...	...	10	15	15	15	15	15	Chad
Dahomey	...	...	189	228	160	160	175	180	180	Dahomey
East & West Cameroon	66	...	...	90	100	115	110	110	110	Camerun Oriental y Occidental
Equat. Guinea	...	...	...	12	12	12	12	12	15	Guinea Ecuatorial
Gabon	37	...	...	50	50	50	50	50	52	Gabón
Gambia	1	1	1	1	1	1	1	1	1	Gambia
Ghana	...	...	...	159	163	101	147	183	172	Ghana
Guinea	...	28	...	30	30	30	30	30	30	Guinea
Ivory Coast	153	155	153	210	220	227	192	200	200	Costa de Marfil
Kenya	...	...	...	90	90	90	90	90	92	Kenia
Liberia	...	...	...	64	63	64	64	64	65	Liberia
Madagascar	160	206	...	215	215	320	330	330	280	Madagascar

TABLA No. 4
AREA SEMBRADA CON YUCA (1.000 HECTAREAS)
A F R I C A

table No. 4 (cont.)

<u>Country</u>	<u>1960</u>	<u>1961</u>	<u>1962</u>	<u>1963</u>	<u>1964</u>	<u>1965</u>	<u>1966</u>	<u>1967</u>	<u>1968</u>	<u>P a i s</u>
Malawi	...	...	...	6	6	6	6	6	5	Malawi
Mali	12	10	...	10	10	10	13	13	13	Mali
Mozamb.Farms & Villages	...	...	...	16	22	22	22	22	24	Mozambique
Niger	13	14	16	16	17	19	21	24	20	Niger
Nigeria	...	...	...	1,175	1,200	1,200	1,100	1,100	1,200	Nigeria
Port. Guinea	...	...	...	6	6	6	6	6	6	Guinea Port.
Reunion	1	1	...	1	1	-	1	1	1	Reunion
Rwanda	....	...	...	5	15	15	15	15	15	Ruanda
Sao Tome e P.	...	...	...	-	-	-	-	-	-	Santo Tomé y Principe
Senegal	45	37	...	34	33	38	64	63	63	Senegal
Seychelles	...	...	...	-	-	-	-	-	-	Seychelles
Sierra Leone	...	20	20	20	21	20	21	21	21	Sierra Leona
Somalia	2	2	...	2	2	2	2	2	2	Somalia
Sudan	...	...	...	17	17	17	17	17	17	Sudán
Togo	82	85	...	138	128	133	134	148	150	Togo
Uganda	274	245	...	286	240	359	543	500	530	Uganda
Upper Volta	...	...	...	5	5	5	5	5	5	Alto Volta
Zambia	...	...	...	40	40	40	40	40	42	Zambia

TABLE No. 5
AREA PLANTED WITH CASSAVA (1,000 HA.)
A S I A

<u>Country</u>	<u>1960</u>	<u>1961</u>	<u>1962</u>	<u>1963</u>	<u>1964</u>	<u>1965</u>	<u>1966</u>	<u>1967</u>	<u>1968</u>	<u>P a f s</u>
Brunei	-	-	-	-	-	-	-	-	-	Brunei
Cambodia	...	1	1	1	1	2	1	2	2	Camboya
Ceylon	40	46	38	46	45	53	48	69	73	Ceilán
India	248	254	253	247	244	241	271	290	335	India
Indonesia	1,456	1,417	1,511	1,598	1,579	1,554	1,565	1,519	1,600	Indonesia
Laos	...	...	...	2	1	1	1	1	1	Laos
Malaysia, Sabah	...	...	...	1	1	2	2	2	2	Malasia Sabah
Malaysia, West	...	...	...	17	20	20	20	18	17	Malasia Occidental
Philippines	80	100	93	94	93	90	87	84	83	Filipinas
Portuguese Timor	...	...	...	5	5	4	6	4	5	Islas Timor
Ryukyu Islands	...	...	...	-	-	-	-	-	-	Islas Ryukius
Singapore	-	-	-	-	-	-	-	-	-	Singapur
Taiwan	12	13	17	17	17	18	17	19	21	Taiwan
Thailand	63	71	99	139	105	101	129	124	135	Tailandia
Viet-Nam, N.	-	-	-	120	120	100	100	100	100	Vietnam del Norte
Viet-Nam, Rep.	34	34	41	52	43	43	39	37	35	Vietnam Rep.

TABLA No. 5
AREA SEMBRADA CON YUCA (1.000 HA.)
A S I A

TABLE 6
AREA PLANTED WITH CASSAVA. (1,000 HA.)
CARIBBEAN AND CENTRAL AMERICA

<u>Country</u>	<u>1960</u>	<u>1961</u>	<u>1962</u>	<u>1963</u>	<u>1964</u>	<u>1965</u>	<u>1966</u>	<u>1967</u>	<u>1968</u>	<u>P a í s</u>
Barbados	-	-	-	-	-	-	-	-	-	Barbados
Costa Rica	...	...	...	2	3	3	3	3	3	Costa Rica
Cuba	...	...	...	33	30	30	30	30	30	Cuba
Dominican Rep.	...	...	...	15	15	15	15	15	15	República Dominicana
El Salvador	...	...	...	1	1	1	1	1	1	El Salvador
Guadaloupe	2	2	1	-	-	-	1	1	-	Guadaloupe
Guatemala	...	...	...	1	1	1	1	1	1	Guatemala
Haiti	...	...	...	30	30	30	30	30	25	Haití
Honduras	4	4	4	5	5	5	5	5	5	Honduras
Jamaica	3	4	4	3	3	4	4	4	4	Jamaica
Martinique	-	-	-	-	-	-	-	-	-	Martinica
Nicaragua	...	...	...	3	3	3	3	3	3	Nicaragua
Panama	...	6	...	6	6	6	6	6	6	Panamá
Puerto Rico	2	3	3	2	2	2	2	1	1	Puerto Rico
Trinidad & Tobago	...	...	...	-	-	-	-	-	-	Trinidad y Tobago

TABLA No. 6
AREA SEMBRADA CON YUCA (1.000 HA.)
CARIBE Y AMERICA CENTRAL

TABLE 7
AREA PLANTED WITH CASSAVA (1,000 HA.)
O C E A N I A

<u>Country</u>	<u>1961</u>	<u>1962</u>	<u>1962</u>	<u>1963</u>	<u>1964</u>	<u>1965</u>	<u>1966</u>	<u>1967</u>	<u>1968</u>	<u>P a f s</u>
Fiji	7	7	7	7	7	7	7	7	7	Fiji
French Polynesia	...	-	...	-	-	-	-	-	-	Polinesia Francesa
New Caledonia	-	1	...	1	1	1	1	1	1	Nueva Caledonia
Pacific Islands	-	-	...	-	-	-	1	1	1	Islas del Pacífico
Tonga	1	1	1	2	2	2	2	2	2	Tonga

TABLA No. 7
AREA SEMBRADA CON YUCA (1.000 HA.)
O C E A N I A

TABLE 8
AREA PLANTED WITH CASSAVA (1,000 HA.)
SOUTH AMERICA

<u>Country</u>	<u>1960</u>	<u>1961</u>	<u>1962</u>	<u>1963</u>	<u>1964</u>	<u>1965</u>	<u>1966</u>	<u>1967</u>	<u>1968</u>	<u>P a f s</u>
Argentina	21	18	20	19	21	23	21	25	25	Argentina
Bolivia	4	...	...	8	9	10	10	10	10	Bolivia
Brazil	1,239	1,342	1,343	1,618	1,716	1,750	1,780	1,914	1,998	Brasil
Colombia	...	...	...	190	125	142	142	144	152	Colombia
Ecuador	27	25	23	27	24	25	28	34	39	Ecuador
French Guiana	1	1	1	1	1	1	1	1	1	Guayana Francesa
Guyana	-	-	-	1	1	1	1	1	1	Guyana
Paraguay	68	70	71	71	103	108	102	97	100	Paraguay
Peru	24	24	25	44	50	41	40	42	42	Perú
Surinam	-	-	-	-	-	-	-	-	-	Surinam
Venezuela	43	61	54	25	25	25	26	35	41	Venezuela

TABLA No. 8
AREA SEMBRADA CON YUCA (1.000 HA.)
AMERICA DEL SUR.

TABLE NO. 9
TOTAL AREA PLANTED WITH CASSAVA (1.000 HA.)
1960 - 1968 1/

<u>Continent</u>	<u>1960</u>	<u>1961</u>	<u>1962</u>	<u>1963</u>	<u>1964</u>	<u>1965</u>	<u>1966</u>	<u>1967</u>	<u>1968</u>	<u>Continente</u>
Africa	1166	1024	599	4035	3952	4245	4476	4491	4580	Africa
Asia	1933	1936	2053	2339	2274	2229	2286	2269	2409	Asia
Caribbean and Central America	11	19	12	101	99	100	101	100	94	Caribe y Centro América
Oceania	8	9	8	10	10	10	11	11	11	Oceanía
South America	<u>1427</u>	<u>1541</u>	<u>1537</u>	<u>2004</u>	<u>2075</u>	<u>2126</u>	<u>2151</u>	<u>2303</u>	<u>2409</u>	América del Sur
Total	4545	4529	4209	8489	8410	8710	9025	9174	9503	

1/ Excluding countries for which no information was available.

TABLA NO. 9
TOTAL AREAS SEMBRADAS DE YUCA (1.000 HA.)
1960 - 1968 1/

1/ Se excluyen los países de los cuales no se dispone de información.

TABLE No. 10
AREA PLANTED WITH CASSAVA BY COUNTRY EXPRESSED AS A PERCENTAGE
OF TOTAL AFRICAN CASSAVA PLANTED, 1964-68

TABLA No. 10
AREA SEMBRADA DE YUCA, POR PAÍS, COMO PORCENTAJE DEL AREA
TOTAL SEMBRADA EN AFRICA, 1964-68

<u>C o u n t r y</u>	<u>1964</u>	<u>1965</u>	<u>1966</u>	<u>1967</u>	<u>1968</u>	<u>P a í s</u>
Angola	2.78	2.76	2.56	2.56	2.64	Angola
Burundi	1.89	1.67	1.62	1.60	1.65	Burundi
Central Afric. Rep.	5.00	4.80	4.54	4.60	4.40	Rep. Centro Africana
Comoro Islands	0.39	0.36	0.65	0.35	0.33	Islas Comoras
Congo Brazzaville	3.00	2.40	2.34	2.50	2.20	Rep. del Congo
Congo D. Rep.	13.88	16.03	16.55	16.43	16.50	Rep. Dem. del Congo
Chad	0.40	0.36	0.75	0.35	0.33	Chad
Dahomey	4.00	3.84	3.85	3.95	3.96	Dahomey
East & West Cameroon	2.55	2.75	2.45	2.45	2.42	Camerun Oriental y Occidental
Equat. Guinea	0.36	0.28	0.35	0.34	0.33	Guinea Ecuatorial
Gabon	1.37	1.20	1.17	1.10	1.14	Gabón
Gambia	0.03	0.02	0.02	0.02	0.02	Gambia
Ghana	4.10	2.42	3.25	4.10	3.66	Ghana
Guinea	0.78	0.72	0.69	0.69	0.66	Guinea
Ivory Coast	5.57	5.44	4.25	4.40	4.40	Costa de Marfil
Kenya	2.30	2.16	1.98	1.98	2.02	Kenia
Liberia	1.60	1.53	1.43	1.60	1.43	Liberia
Madagascar	5.40	7.68	7.26	7.26	6.16	Madagascar

table No.10 (cont.)

C o u n t r yP a í s

	<u>1964</u>	<u>1965</u>	<u>1966</u>	<u>1967</u>	<u>1968</u>	
Malawi	0.18	0.14	0.13	0.18	0.11	Malawi
Mali	0.28	0.24	0.29	0.28	0.28	Mali
Mozambique	0.57	0.52	0.48	0.48	0.52	Mozambique
Niger	0.48	0.45	0.48	0.52	0.44	Niger
Nigeria	30.00	28.8	24.20	24.20	26.00	Nigeria
Port. Guinea	0.19	0.14	0.13	0.15	0.13	Guinea Port.
Reunion	0.03	-	0.02	0.02	0.02	Reunion
Rwanda	0.39	0.36	0.35	0.37	0.33	Ruanda
Sao Tome e P.	-	-	-	-	-	Santo Tomé y Príncipe
Senegal	0.90	0.91	1.43	1.38	1.38	Senegal
Seychelles	-	-	-	-	-	Seychelles
Sierra Leone	0.60	0.48	0.48	0.45	0.40	Sierra Leona
Somalia	0.05	0.04	0.04	0.04	0.04	Somalia
Sudan	0.49	0.40	0.37	0.39	0.37	Sudán
Togo	3.25	3.19	2.94	3.28	3.30	Togo
Uganda	6.00	8.61	11.94	11.00	11.40	Uganda
Upper Volta	0.19	0.12	0.11	0.11	0.11	Alto Volta
Zambia	<u>1.00</u>	<u>0.96</u>	<u>0.88</u>	<u>0.88</u>	<u>0.92</u>	Zambia
T O T A L	100.00	100.00	100.00	100.00	100.00	

TABLE No. 11
AREA PLANTED WITH CASSAVA BY COUNTRY EXPRESSED AS A PERCENTAGE
OF TOTAL ASIAN AREA PLANTED, 1964-68

TABLA No. 11
AREA SEMBRADA DE YUCA, POR PAIS, COMO PORCENTAJE DEL AREA
TOTAL SEMBRADA EN ASIA, 1964-68

<u>C o u n t r y</u>	<u>1964</u>	<u>1965</u>	<u>1966</u>	<u>1967</u>	<u>1968</u>	<u>P a í s</u>
Brunei	-	-	-	-	-	Brunei
Cambodia	0.04	0.06	0.04	0.09	0.08	Cam-boyá
Ceylon	1.98	2.32	2.10	3.03	3.04	Ceilán
India	10.73	10.81	11.82	12.80	14.03	India
Indonesia	69.47	69.90	68.60	66.89	67.20	Indonesia
Laos	0.04	0.04	0.04	0.04	0.04	Laos
Malaysia, West	0.88	0.90	0.80	0.80	0.50	Malasia Occidental
Malaysia, Sabah	0.04	0.05	0.09	0.09	0.08	Malasia
Philippines	4.08	4.03	3.82	3.70	3.34	Filipinas
Portuguese Timor	0.22	0.15	0.23	0.19	0.20	Islas Timor
Ryukyu Islands	-	-	-	-	-	Islas Ryukius
Singapore	-	-	-	-	-	Singapur
Taiwan	0.74	0.80	0.73	0.84	0.65	Taiwan
Thailand	4.62	4.52	5.62	5.48	5.30	Tailandia
Viet-Nam, N.	5.28	4.50	4.40	4.40	4.20	Vietnam del Norte
Viet-Nam, Rep.	<u>1.88</u>	<u>1.92</u>	<u>1.71</u>	<u>1.65</u>	<u>1.34</u>	Vietnam Rep.
T O T A L	100.00	100.00	100.00	100.00	100.00	

TABLE No. 12

AREA PLANTED WITH CASSAVA BY COUNTRY EXPRESSED AS A PERCENTAGE
OF TOTAL CARIBBEAN AND CENTRAL AMERICAN AREA PLANTED, 1964-68

<u>C o u n t r y</u>	<u>1964</u>	<u>1965</u>	<u>1966</u>	<u>1967</u>	<u>1968</u>	<u>P a í s</u>
Barbados	-	-	-	-	-	Barbados
Costa Rica	3.03	3	2.97	3	3.30	Costa Rica
Cuba	30.30	30	29.70	30	31.85	Cuba
Dominican Rep.	15.15	15	14.85	15	15.90	República Dominicana
El Salvador	1.01	1	0.99	1	1.08	El Salvador
Guadaloupe	-	-	0.99	1	-	Guadaloupe
Guatemala	1.01	1	0.99	1	1.08	Guatemala
Haiti	30.30	30	29.70	30	26.56	Haití
Honduras	4.05	5	4.96	5	5.30	Honduras
Jamaica	4.04	4	3.96	4	4.25	Jamaica
Martinique	-	-	-	-	-	Martinica
Nicaragua	3.03	3	2.97	3	3.30	Nicaragua
Panama	6.06	6	5.94	6	6.37	Panamá
Puerto Rico	2.02	2	1.98	1	1.01	Puerto Rico
Trinidad & Tobago	-	-	-	-	-	Trinidad y Tobago
T O T A L	100.00	100	100.00	100	100.00	

TABLA No. 12

AREA SEMBRADA DE YUCA, POR PAIS, COMO PORCENTAJE DEL AREA
TOTAL SEMBRADA EN EL CARIBE Y AMERICA CENTRAL, 1964-68

TABLE No. 13

AREA PLANTED WITH CASSAVA BY COUNTRY EXPRESSED AS A PERCENTAGE
OF TOTAL OCEANIA AREA PLANTED, 1964-68

C o u n t r y

	<u>1964</u>	<u>1965</u>
Fiji	70.00	70.00
French Polynesia	-	-
New Caledonia	10.00	10.00
Pacific Islands	-	-
Tonga	20.00	20.00
T O T A L	<u>100.00</u>	<u>100.00</u>

TABLA No. 13

AREA SEMBRADA DE YUCA, POR PAIS, COMO PORCENTAJE DEL AREA
TOTAL SEMBRADA EN OCEANIA, 1964-68

País

	<u>1966</u>	<u>1967</u>	<u>1968</u>	
	63.64	63.64	63.64	Fiji
	-	-	-	Polinesia Francesa
	9.09	9.09	9.09	Nueva Caledonia
	9.09	9.09	9.09	Islas del Pacífico
	18.18	18.18	18.18	Tonga
T O T A L	<u>100.00</u>	<u>100.00</u>	<u>100.00</u>	

TABLE No. 14
AREA PLANTED WITH CASSAVA BY COUNTRY EXPRESSED AS A PERCENTAGE
OF TOTAL SOUTH AMERICA AREA PLANTED, 1964-68

TABLA No. 14
AREA SEMBRADA DE YUCA, POR PAIS, COMO PORCENTAJE DEL AREA
TOTAL SEMBRADA EN AMERICA DEL SUR, 1964-68

<u>C o u n t r y</u>	<u>1964</u>	<u>1965</u>	<u>1966</u>	<u>1967</u>	<u>1968</u>	<u>P a i s</u>
Argentina	1.05	1. 15	1.05	1.00	1.13	Argentina
Bolivia	0.42	0.40	0.20	0.60	0.50	Bolivia
Brazil	83.45	84.10	83.00	78.60	80.92	Brasil
Colombia	5.25	5.10	6.10	6.98	6.70	Colombia
Ecuador	1.20	1.00	1. 30	3.40	1.38	Ecuador
French Guiana	0.04	0.05	0.05	0.04	0.04	Guayana Francesa
Guyana	0.04	0.05	0.05	0.04	0.04	Guyana
Paraguay	5.12	5.00	5.10	4.92	4.85	Paraguay
Peru	2.20	2.05	2.00	2.82	2.80	Perú
Surinam	-	-	-	-	-	Surinam
Venezuela	1.23	1.10	1.15	1.60	1.64	Venezuela
T O T A L	100.00	100.00	100.00	100.00	100.00	

TABLE NO. 15
AREA PLANTED WITH CASSAVA BY CONTINENT EXPRESSED
AS A PERCENTAGE OF TOTAL CASSAVA PRODUCTION IN
THESE CONTINENTS. 1964 - 1968 1/

<u>Continent</u>	<u>1964</u>	<u>1965</u>	<u>1966</u>	<u>1967</u>	<u>1968</u>	<u>Continente</u>
Africa	46.99	48.74	49.59	48.96	48.19	Africa
Asia	27.04	25.59	25.33	24.73	25.35	Asia
Caribbean and Central America	1.18	1.15	1.12	1.09	0.99	Caribe y Centro América
Oceania	0.12	0.12	0.13	0.12	0.12	Oceanía
South America	<u>24.67</u>	<u>24.40</u>	<u>23.83</u>	<u>25.10</u>	<u>25.35</u>	América del Sur
T o t a l	100.00	100.00	100.00	100.00	100.00	

1/ Excluding countries for which no information was available.

TABLA NO. 15
AREA SEMBRADA DE YUCA, POR CONTINENTE, COMO PORCENTAJE DEL TOTAL DE LA PRODUCCION DE YUCA EN ESTOS CONTINENTES. 1964 - 1968 1/

1/ Se excluyen los países de los cuales no se dispone de información.

PRODUCTION OF CASSAVA

PRODUCCION DE YUCA

(1.000 METRIC TONS.)

TABLA No. 16
PRODUCTION OF CASSAVA (1,000 METRIC TONS)
A F R I C A

TABLA No. 16
PRODUCCION DE YUCA (1.000 TONELADAS METRICAS)
A F R I C A

<u>C o u n t r y</u>	<u>1960</u>	<u>1961</u>	<u>1962</u>	<u>1963</u>	<u>1964</u>	<u>1965</u>	<u>1966</u>	<u>1967</u>	<u>1968</u>	<u>P a i s</u>
Angola	-	-	-	1,300	1,320	1,400	1,500	1,525	1,545	Angola
Burundi	...	...	...	846	891	858	849	850	875	Burundi
Central Afric. Rep.	2,200	2,200	2,200	1,000	1,000	1,000	1,000	1,000	1,000	Rep. Centro Africana
Comoro Islands	...	...	...	31	31	31	30	30	32	Islas Comoras
Congo Brazzaville	800	...	...	850	700	500	400	400	400	Rep. del Congo
Congo D. Rep.	...	...	...	6,073	6,221	7,247	8,116	8,000	8,100	Rep. Dem. del Congo
Chad	...	...	...	40	50	52	52	52	55	Chad
Dahomey	...	...	1,235	1,226	1,052	933	1,089	1,120	1,142	Dahomey
East & West Cameroon	479	...	...	677	706	711	774	750	750	Camerun Oriental y Occidental
Equat. Guinea	...	...	...	38	40	40	40	40	42	Guinea Ecuatorial
Gabon	152	...	...	130	125	125	125	125	130	Gabón
Gambia	...	6	6	6	6	6	6	6	6	Gambia
Ghana	...	...	...	1,194	1,229	689	1,171	1,177	1,446	Ghana
Guinea	...	434	...	420	450	420	433	446	420	Guinea
Ivory Coast	787	800	760	980	1,150	1,230	1,044	1,100	530	Costa de Marfil
Kenya	...	...	...	600	600	600	600	600	620	Kenia
Liberia	...	...	...	425	420	425	430	430	430	Liberia
Madagascar	646	827	...	850	850	836	780	900	910	Madagascar

Table No. 16 (cont.)

<u>C o u n t r y</u>	<u>1960</u>	<u>1961</u>	<u>1962</u>	<u>1963</u>	<u>1964</u>	<u>1965</u>	<u>1966</u>	<u>1967</u>	<u>1968</u>	<u>P a í s</u>
Malawi	...	...	...	136	136	140	140	140	110	Malawi
Mali	180	160	...	160	150	150	210	214	220	Mali
Mozamb.Farms & Villages	...	...	...	34	46	34	42	42	44	Mozambique
Niger	81	101	125	136	149	150	148	169	150	Niger
Nigeria	...	...	...	7,287	7,300	7,500	6,500	6,500	6,700	Nigeria
Port. Guinea	...	...	...	36	36	35	35	35	37	Guinea Port.
Reunion	5	5	...	5	5	3	5	5	5	Reunion
Rwanda	...	...	...	48	174	178	180	190	190	Ruanda
Sao Tome e P.	...	...	...	2	2	2	2	2	2	Santo Tomé y Príncipe
Senegal	179	168	...	152	156	150	241	239	232	Senegal
Seychelles	...	...	...	1	1	1	1	1	1	Seychelles
Sierra Leone	...	56	61	61	61	60	60	60	62	Sierra Leona
Somalia	15	15	...	17	18	20	20	20	23	Somalia
Sudan	...	...	...	120	120	124	126	130	132	Sudán
Togo	596	564	...	1,088	820	982	1,017	1,118	1,120	Togo
Uganda	...	...	...	1,140	950	1,480	2,000	1,800	2,000	Uganda
Upper Volta	...	...	...	32	32	32	27	30	30	Alto Volta
Zambia	...	...	...	150	153	153	155	160	160	Zambia

TABLE NO. 17
PRODUCTION OF CASSAVA (1,000 MET. TONS)
A S I A

TABLA NO. 17
PRODUCCION DE YUCA (1.000 TONELADAS METRICAS)
A S I A

<u>C o u n t r y</u>	<u>1960</u>	<u>1961</u>	<u>1962</u>	<u>1963</u>	<u>1964</u>	<u>1965</u>	<u>1966</u>	<u>1967</u>	<u>1968</u>	<u>P a f s</u>
Brunei	1	2	2	1	1	2	2	2	2	Brunei
Cambodia	...	16	13	13	15	30	19	23	26	Camboya
Ceylon	146	264	170	351	369	328	289	346	425	Ceilán
India	1,781	1,809	1,809	1,757	2,823	3,032	3,467	3,817	4,520	India
Indonesia	12,697	11,376	12,106	11,679	12,262	11,274	12,100	11,291	11,800	Indonesia
Laos	...	...	...	11	9	10	10	10	16	Laos
Malaysia, Sabah	...	...	...	13	13	16	19	20	20	Malasia Sabah
Malaysia, West	...	...	...	290	310	310	310	300	280	Malasia Occidental
Philippines	442	547	495	596	646	614	529	482	496	Filipinas
Portuguese Timor	12	...	...	13	13	9	15	8	10	Islas Timor
Ryukyu Islands	...	...	...	-	-	-	-	-	-	Islas Ryukius
Singapore	2	2	3	3	3	3	3	3	4	Singapur
Taiwan	147	158	226	217	242	265	264	299	342	Taiwan
Thailand	1,083	1,222	1,726	2,111	1,557	1,443	1,892	1,774	2,000	Tailandia
Viet-Nam, N.	-	-	-	864	860	800	750	720	700	Vietnam del Norte
Viet-Nam, Rep.	181	219	255	389	289	236	280	262	260	Vietnam Rep.

PRODUCTION OF CASSAVA (1,000 METRIC TONS)
CARIBBEAN AND CENTRAL AMERICA

PRODUCCION DE YUCA (1.000 TONELADAS METRICAS)
CARIBE Y CENTRO AMERICA

<u>C o u n t r y</u>	<u>1960</u>	<u>1961</u>	<u>1962</u>	<u>1963</u>	<u>1964</u>	<u>1965</u>	<u>1966</u>	<u>1967</u>	<u>1968</u>	<u>P a i s</u>
Barbados	-	-	1	1	1	1	1	1	1	Barbados
Costa Rica	...	...	...	7	7	8	8	8	8	Costa Rica
Cuba	...	...	...	230	200	200	200	200	200	Cuba
Dominican Rep.	153	140	148	147	153	152	153	152	155	República Dominicana
El Salvador	...	...	...	8	8	8	8	8	11	El Salvador
Guadaloupe	15	15	10	5	5	5	5	5	5	Guadalupe
Guatemala	-	-	-	3	3	3	3	3	3	Guatemala
Haiti	...	...	...	115	120	112	120	120	80	Haití
Honduras	15	16	16	16	16	16	16	16	18	Honduras
Jamaica	12	13	13	10	8	9	10	10	10	Jamaica
Martinique	4	-	3	3	3	3	3	3	3	Martinica
Nicaragua	...	...	...	12	12	13	13	13	13	Nicaragua
Panama	...	...	...	45	45	45	45	45	45	Panamá
Puerto Rico	7	6	6	6	6	5	6	5	5	Puerto Rico
Trinidad & Tobago	...	...	...	5	5	5	5	5	5	Trinidad y Tobago

TABLE No. 19
PRODUCTION OF CASSAVÁ (1,000 METRIC TONS)
O C E A N I A

TABLA No. 19
PRODUCCION DE YUCA (1.000 TONELADAS METRICAS)
O C E A N I A

<u>C o u n t r y</u>	<u>1960</u>	<u>1961</u>	<u>1962</u>	<u>1963</u>	<u>1964</u>	<u>1965</u>	<u>1966</u>	<u>1967</u>	<u>1968</u>	<u>P a í s</u>
Fiji	...	...	...	80	80	80	80	80	82	Fiji
French Polynesia	...	5	...	5	5	5	6	6	6	Polinesia Francesa
New Caledonia	1	1	...	4	4	4	4	4	4	Nueva Caledonia
Pacific Islands	2	5	5	5	5	5	5	5	5	Islas del Pacífico
Tonga	10	6	7	18	19	20	20	22	22	Tonga

TABLE No. 20
PRODUCTION OF CASSAVA (1,000 METRIC TONS)
SOUTH AMERICA

TABLA No. 20
PRODUCCION DE YUCA (1.000 TONELADAS METRICAS)
AMERICA DEL SUR

<u>C o u n t r y</u>	<u>1960</u>	<u>1961</u>	<u>1962</u>	<u>1963</u>	<u>1964</u>	<u>1965</u>	<u>1966</u>	<u>1967</u>	<u>1968</u>	<u>P a i s</u>
Argentina	277	225	244	231	240	260	241	303	273	Argentina
Bolivia	77	63	62	138	150	174	170	149	160	Bolivia
Brazil	16,575	17,613	18,301	22,249	24,356	24,997	24,710	27,268	29,203	Brasil
Colombia	...	...	...	1,363	700	800	840	850	900	Colombia
Ecuador	242	221	212	209	189	254	279	327	280	Ecuador
French Guiana	15	15	15	6	6	5	5	5	6	Guayana Francesa
Guyana	-	-	-	10	10	10	10	10	10	Guyana
Paraguay	979	994	997	1,000	1,449	1,512	1,437	1,460	1,504	Paraguay
Peru	319	350	364	438	497	449	487	507	500	Perú
Surinam	2	2	2	2	2	2	1	1	2	Surinam
Venezuela	218	340	535	342	312	301	320	316	341	Venezuela

TABLE NO. 21
TOTAL PRODUCTION OF CASSAVA (1.000 METRIC TONS.)
1960 - 1968 1/

TABLA NO. 21
PRODUCCION TOTAL DE YUCA (1.000 TONELADAS METRICAS)
1960 - 1968 1/

<u>Continent</u>	<u>1960</u>	<u>1961</u>	<u>1962</u>	<u>1963</u>	<u>1964</u>	<u>1965</u>	<u>1966</u>	<u>1967</u>	<u>1968</u>	<u>Continente</u>
Africa	6,120	5,336	4,387	27,291	27,150	28,297	29,348	29,406	29,651	Africa
Asia	16,492	15,616	16,805	18,326	19,412	18,372	19,949	19,357	19,101	Asia
Caribbean and Central América	206	190	197	613	592	585	596	594	562	Caribe y Centro América
Oceania	13	17	12	112	113	114	115	117	119	Oceania
South America	<u>18,704</u>	<u>19,823</u>	<u>20,732</u>	<u>25,988</u>	<u>27,911</u>	<u>28,764</u>	<u>28,500</u>	<u>31,196</u>	<u>33,179</u>	América del Sur
Total	41,535	40,982	42,133	72,330	75,178	76,132	78,508	80,670	82,612	

1/ Excluding countries for which no information was available.

1/ Se excluyen los países de los cuales no se dispone de información.

TABLE No. 22
CASSAVA PRODUCTION BY COUNTRY EXPRESSED AS A PERCENTAGE OF
TOTAL AFRICAN CASSAVA PRODUCTION. 1964 - 1968

<u>C o u n t r y</u>	<u>1964</u>	<u>1965</u>	<u>1966</u>	<u>1967</u>	<u>1968</u>	<u>P a i s</u>
Angola	4.71	4.77	4.95	5.10	5.18	Angola
Burundi	3.13	3.28	3.03	2.89	2.89	Burundi
Central Afric. Rep.	3.70	3.70	3.53	3.40	3.40	Rep.Centro Africana
Comoro Islands	0.11	0.11	0.11	0.10	0.10	Islas Comoras
Congo Brazzaville	3.14	2.58	1.76	1.37	1.37	Rep. del Congo
Congo D. Rep.	22.47	23.01	25.64	27.69	27.20	Rep.Dem.del Congo
Chad	0.14	0.17	0.18	0.17	0.17	Chad
Dahomey	4.44	3.88	3.29	3.70	3.80	Dahomey
East & West Cameroon	2.50	2.60	2.50	2.64	2.56	Camerun Oriental y Occidental
Equat. Guinea	0.14	0.14	0.14	0.13	0.13	Guinea Ecuatorial
Gabon	0.48	0.45	0.43	0.42	0.42	Gabón
Gambia	0.02	0.02	0.02	0.02	0.02	Gambia
Ghana	4.41	4.54	2.43	3.98	4.00	Ghana
Guinea	1.46	1.65	1.48	1.48	1.52	Guinea
Ivory Coast	3.62	4.15	4.34	3.54	3.74	Costa de Marfil
Kenya	2.22	2.22	2.12	2.04	2.04	Kenia
Liberia	1.57	1.55	1.49	1.46	1.46	Liberia
Madagascar	3.14	3.14	2.95	2.85	3.06	Madagascar

TABLA No. 22
PRODUCCION DE YUCA, POR PAIS, COMO PORCENTAJE DE LA
PRODUCCION TOTAL DE YUCA EN AFRICA 1964 - 1968

Table No. 22 (cont.)

<u>C o u n t r y</u>	<u>1964</u>	<u>1965</u>	<u>1966</u>	<u>1967</u>	<u>1968</u>	<u>P a f s</u>
Malawi	0.41	0.50	0.49	0.47	0.47	Malawi
Mali	0.49	0.55	0.52	0.71	0.72	Mali
Mozamb.Farms & Villages	0.12	0.17	0.11	0.14	0.14	Mozambique
Niger	0.41	0.55	0.52	0.50	0.57	Niger
Nigeria	26.87	27.01	26.53	22.11	22.10	Nigeria
Port Guinea	0.13	0.13	0.13	0.11	0.11	Guinea Port.
Reunion	0.01	0.01	0.01	0.01	0.01	Reunion
Rwanda	0.17	0.64	0.63	0.61	0.64	Ruanda
Sao Tome e P.	0.00	0.00	0.00	0.00	0.00	Santo Tomé y Principe
Senegal	0.47	0.56	0.53	0.81	0.81	Senegal
Seychelles	0.00	0.00	0.00	0.00	0.00	Seychelles
Sierra Leone	0.22	0.22	0.21	0.20	0.20	Sierra Leona
Somalia	0.06	0.05	0.07	0.06	0.06	Somalia
Sudan	0.44	0.44	0.44	0.42	0.44	Sudán
Togo	4.02	3.03	3.46	3.45	3.80	Togo
Uganda	4.21	3.51	5.33	6.80	6.22	Uganda
Upper Volta	0.11	0.11	0.11	0.10	0.11	Alto Volta
Zambia	0.46	0.55	0.53	0.52	0.54	Zambia
Total	100.00	100.00	100.00	100.00	100.00	

TABLE No. 23

CASSAVA PRODUCTION BY COUNTRY EXPRESSED AS A PERCENTAGE OF
TOTAL ASIAN CASSAVA PRODUCTION. 1964 - 1968

<u>C o u n t r y</u>	<u>1964</u>	<u>1965</u>	<u>1966</u>	<u>1967</u>	<u>1968</u>	<u>P a i s</u>
Brunei	0.01	0.01	0.01	0.01	0.01	Brunei
Cambodia	0.08	0.16	0.09	0.12	0.13	Camboya
Ceylon	1.90	1.79	1.45	1.79	2.04	Ceilán
India	14.54	16.50	17.38	19.72	21.63	India
Indonesia	63.17	61.37	60.66	58.33	56.47	Indonesia
Laos	0.05	0.05	0.06	0.05	0.05	Laos
Malaysia, Sabah	0.07	0.09	0.09	0.10	0.09	Malasia Sabah
Malaysia, West	1.59	1.69	1.55	1.55	1.34	Malasia Occidental
Philippines	3.33	3.34	2.65	2.49	2.38	Filipinas
Portuguese Timor	0.06	0.05	0.08	0.04	0.05	Islas Timor
Ryukyu Islands	-	-	-	-	-	Islas Ryukius
Singapore	0.01	0.02	0.02	0.02	0.02	Singapur
Taiwan	1.25	1.44	1.32	1.55	1.64	Taiwan
Thailand	8.02	7.85	9.48	9.16	9.57	Tailandia
Viet-Nam, N.	4.43	4.35	3.76	3.72	3.35	Vietnam del Norte
Viet-Nam, Rep.	<u>1.49</u>	<u>1.29</u>	<u>1.40</u>	<u>1.35</u>	<u>1.23</u>	Vietnam, Rep.
T o t a l	100.00	100.00	100.00	100.00	100.00	

TABLA No. 23

PRODUCCION DE YUCA, POR PAIS, COMO PORCENTAJE DE LA
PRODUCCION TOTAL DE YUCA EN ASIA. 1964 - 1968

TABLE No. 24
CASSAVA PRODUCTION BY COUNTRY EXPRESSED AS A PERCENTAGE OF
TOTAL CARIBBEAN AND CENTRAL AMERICAN CASSAVA PRODUCTION.
1964 - 1968

TABLA No. 24
PRODUCCION DE YUCA, POR PAIS, COMO PORCENTAJE DE LA
PRODUCCION TOTAL DE YUCA EN EL CARIBE Y CENTRO AMERICA.
1964 - 1968

<u>C o u n t r y</u>	<u>1964</u>	<u>1965</u>	<u>1966</u>	<u>1967</u>	<u>1968</u>	<u>P a i s</u>
Barbados	0.17	0.17	0.17	0.17	0.18	Barbados
Costa Rica	1.18	1.37	1.34	1.35	1.43	Costa Rica
Cuba	33.78	34.19	33.56	33.67	35.58	Cuba
Dominican Rep.	25.84	25.98	25.67	25.59	27.58	Rep.Dominicana
El Salvador	1.35	1.37	1.34	1.35	1.96	El Salvador
Guadaloupe	0.85	0.86	0.84	0.84	0.88	Guadaloupe
Guatemala	0.51	0.51	0.50	0.51	0.54	Guatemala
Haiti	20.27	19.15	20.14	20.20	14.24	Haití
Honduras	2.70	2.73	2.68	2.69	3.20	Honduras
Jamaica	1.35	1.54	1.69	1.68	1.78	Jamaica
Martinique	0.51	0.51	0.50	0.51	0.53	Martinica
Nicaragua	2.03	2.22	2.18	2.18	2.32	Nicaragua
Panama	7.60	7.70	7.55	7.58	8.00	Panamá
Puerto Rico	1.01	0.85	1.00	0.84	0.89	Puerto Rico
Trinidad & Tobago	<u>0.85</u>	<u>0.85</u>	<u>0.84</u>	<u>0.84</u>	<u>0.89</u>	Trinidad y Tobago
T o t a l	100.00	100.00	100.00	100.00	100.00	

TABLE No. 25

CASSAVA PRODUCTION BY COUNTRY EXPRESSED AS A PERCENTAGE OF
TOTAL OCEANIAN CASSAVA PRODUCTION. 1964 - 1968

<u>C o u n t r y</u>	<u>1964</u>	<u>1965</u>	<u>1966</u>	<u>1967</u>	<u>1968</u>	<u>P a í s</u>
Fiji	70.79	70.17	69.56	68.38	68.91	Fiji
French Polynesia	4.43	4.39	5.22	5.13	5.04	Polinesia Francesa
New Caledonia	3.54	3.51	3.48	3.42	3.36	Nueva Caledonia
Pacific Islands	4.43	4.39	4.35	4.27	4.20	Islas del Pacífico
Tonga	<u>16.81</u>	<u>17.54</u>	<u>17.39</u>	<u>18.80</u>	<u>18.49</u>	Tonga
T o t a l	100.00	100.00	100.00	100.00	100.00	

TABLA No. 25

PRODUCCION DE YUCA, POR PAIS, COMO PORCENTAJE DE LA
PRODUCCION TOTAL DE YUCA EN OCEANIA. 1964 - 1968

CASSAVA PRODUCTION BY COUNTRY EXPRESSED AS A PERCENTAGE OF
TOTAL SOUTH AMERICA CASSAVA PRODUCTION. 1964 - 1968

PRODUCCION DE YUCA POR PAIS, COMO PORCENTAJE DE LA
PRODUCCION TOTAL EN AMERICA DEL SUR. 1964 - 1968

<u>C o u n t r y</u>	<u>1964</u>	<u>1965</u>	<u>1966</u>	<u>1967</u>	<u>1968</u>	<u>P a i s</u>
Argentina	0.86	0.90	0.84	0.97	0.82	Argentina
Bolivia	0.54	0.60	0.59	0.48	0.48	Bolivia
Brazil	87.26	86.90	86.69	87.41	88.02	Brasil
Colombia	2.50	2.78	2.94	2.72	2.71	Colombia
Ecuador	0.68	0.88	0.97	1.05	0.84	Ecuador
French Guiana	0.02	0.02	0.01	0.02	0.02	Guayana Francesa
Guyana	0.04	0.04	0.03	0.03	0.03	Guyana
Paraguay	5.19	5.26	5.03	4.68	4.53	Paraguay
Peru	1.78	1.56	1.69	1.62	1.51	Perú
Surinam	0.01	0.01	0.00	0.00	0.01	Surinam
Venezuela	<u>1.12</u>	<u>1.05</u>	<u>1.21</u>	<u>1.02</u>	<u>1.03</u>	Venezuela
T o t a l	100.00	100.00	100.00	100.00	100.00	

TABLE NO. 27
CASSAVA PRODUCTION BY CONTINENT EXPRESSED AS A
PERCENTAGE OF TOTAL CASSAVA PRODUCTION IN THESE
CONTINENTS. 1964 - 1968 1/

<u>Continent</u>	<u>1964</u>	<u>1965</u>	<u>1966</u>	<u>1967</u>	<u>1968</u>	<u>Continent</u>
Africa	36.12	37.18	37.39	36.45	35.89	Africa
Asia	25.82	24.14	25.42	23.99	23.12	Asia
Caribbean and Central America	0.79	0.76	0.76	0.74	0.69	Caribe y Centro América
Oceania	0.15	0.14	0.15	0.15	0.15	Oceanía
South America	37.12	37.79	36.30	38.67	40.15	América del Sur
Total	100.00	100.00	100.00	100.00	100.00	

1/ Excluding countries for which no information was
available.

TABLA NO. 27
PRODUCCION DE YUCA, POR CONTINENTE COMO PORCENTAJE
DEL TOTAL DE LA PRODUCCION DE YUCA EN ESTOS CON-
TINENTES. 1964 - 1968 1/

1/ Se excluyen los países de los cuales no se dispone de
información.

AVERAGE YIELDS OF CASSAVA

RENDIMIENTO PROMEDIO DE YUCA

(TONELADAS / HECTAREAS)

TABLE No. 28
AVERAGE YIELDS OF CASSAVA (TONS/HA.)
A F R I C A

TABLA No. 28
RENDIMIENTO PROMEDIO DE YUCA (TONELADAS/HECTAREAS)
A F R I C A

<u>C o u n t r y</u>	<u>1960</u>	<u>1961</u>	<u>1962</u>	<u>1963</u>	<u>1964</u>	<u>1965</u>	<u>1966</u>	<u>1967</u>	<u>1968</u>	<u>P a í s</u>
Angola	-	-	-	11.81	12.00	12.17	13.04	13.26	12.87	Angola
Burundi	....	....	....	11.43	11.88	12.25	11.79	11.64	11.66	Burundi
Central Afric. Rep.	10.00	10.00	10.00	5.00	5.00	5.00	5.00	5.00	5.00	Rep. Centro Africana
Comoro Islandas	....	....	....	2.06	2.06	2.06	2.00	2.00	2.13	Islas Comoras
Congo Brazzaville	8.00	....	....	5.67	5.83	5.00	4.00	4.00	4.00	Rep. del Congo
Congo D. Rep.	....	....	....	11.04	12.44	10.85	10.85	10.81	10.80	Rep. Dem. del Congo
Chad	....	....	....	4.00	3.33	3.47	3.47	3.47	3.47	Chad
Dahomey	....	....	6.53	5.38	6.58	5.83	6.22	6.22	6.34	Dahomey
East & West Cameroon	7.26	-	-	7.52	7.06	6.18	7.04	6.82	6.82	Camerun Oriental y Occidental
Equat. Guinea	....	....	....	3.17	3.33	3.33	3.33	3.33	2.80	Guinea Ecuatorial
Gabon	4.11	....	....	2.60	2.50	2.50	2.50	2.50	2.50	Gabón
Gambia	....	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	Gambia
Ghana	....	....	....	7.51	7.54	6.82	7.97	6.43	8.41	Ghana
Guinea	....	15.50	....	14.00	15.00	14.00	14.43	14.87	14.00	Guinea
Ivory Coast	5.14	5.16	4.97	4.67	5.23	5.42	5.44	5.50	2.65	Costa de Marfil
Kenya	....	....	....	6.67	6.67	6.67	6.67	6.67	6.74	Kenia
Liberia	....	....	....	6.64	6.67	6.64	6.72	6.72	6.62	Liberia
Madagascar	4.04	4.01	....	3.95	3.95	2.61	2.36	2.73	3.25	Madagascar

Table No. 28 (cont.)

<u>C o u n t r y</u>	<u>1960</u>	<u>1961</u>	<u>1962</u>	<u>1963</u>	<u>1964</u>	<u>1965</u>	<u>1966</u>	<u>1967</u>	<u>1968</u>	<u>P a í s</u>
Malawi	....	....	....	22.67	22.67	23.33	23.33	23.33	22.00	Malawi
Mali	15.00	16.00	....	16.00	15.00	15.00	16.15	16.46	16.92	Mali
Mozamb.Farms & Villages	-	-	-	2.13	2.09	1.55	1.91	1.91	1.83	Mozambique
Niger	6.23	7.21	7.81	8.50	8.76	7.89	7.05	7.04	7.50	Niger
Nigeria	....	....	....	6.20	6.08	6.25	5.91	5.91	5.58	Nigeria
Port.Guinea	....	....	....	6.00	6.00	5.83	5.83	5.83	6.17	Guinea Port.
Reunion	5.00	5.00	....	5.00	5.00	-	5.00	5.00	5.00	Reunion
Rwanda	....	....	....	9.60	11.60	11.87	12.00	12.67	12.67	Ruanda
Sao Tome e P.	....	....	....	-	-	-	-	-	-	Santo Tomé y Príncipe
Senegal	3.98	4.54	....	4.47	4.73	3.95	3.77	3.79	3.68	Senegal
Seychelles	....	....	....	-	-	-	-	-	-	Seychelles
Sierra Leone	....	2.80	3.05	3.05	2.90	3.00	2.86	2.86	2.95	Sierra Leona
Somalia	7.50	7.50	....	8.50	9.00	10.00	10.00	10.00	11.50	Somalia
Sudan	....	....	....	7.06	7.06	7.29	7.41	7.65	7.76	Sudán
Togo	7.27	6.64	....	7.88	6.41	7.38	7.59	7.55	7.47	Togo
Uganda	....	....	....	3.99	3.96	4.12	3.68	3.60	3.77	Uganda
Upper Volta	....	....	....	6.40	6.40	6.40	5.40	6.00	6.00	Alto Volta
Zambia	....	....	....	3.75	3.83	3.83	3.88	4.00	3.81	Zambia

TABLE No. 29
AVERAGE YIELDS OF CASSAVA (TONS/HA.)
A S I A

TABLA No. 29
RENDIMIENTO PROMEDIO DE YUCA (TONELADAS/HECTAREAS)
A S I A

<u>C o u n t r y</u>	<u>1960</u>	<u>1961</u>	<u>1962</u>	<u>1963</u>	<u>1964</u>	<u>1965</u>	<u>1966</u>	<u>1967</u>	<u>1968</u>	<u>P a f s</u>
Brunei	-	-	-	-	-	-	-	-	-	Brunei
Cambodia	....	16.00	13.00	13.00	15.00	15.00	19.00	11.50	13.00	Camboya
Ceylon	3.65	5.74	4.47	7.63	8.20	6.19	6.02	5.01	5.82	Ceilán
India	7.18	7.12	7.15	7.11	11.57	12.58	12.79	13.16	13.49	India
Indonesia	8.72	8.03	8.01	7.31	7.77	7.25	7.73	7.43	7.38	Indonesia
Laos	....	....	....	5.50	9.00	10.00	10.00	10.00	16.00	Laos
Malaysia, Sabah	....	....	....	13.00	13.00	8.00	9.50	10.00	10.00	Malasia Sabah
Malaysia, West	....	....	....	17.06	15.50	15.50	15.50	16.67	16.47	Malasia Occidental
Philippines	5.53	5.47	5.32	6.34	6.95	6.82	6.08	5.74	5.98	Filipinas
Portuguese Timor	....	....	....	2.60	2.60	2.25	2.50	2.00	2.00	Islas Timor
Ryukyu Islands	....	....	....	-	-	-	-	-	-	Islas Ryukius
Singapore	-	-	-	-	-	-	-	-	-	Singapur
Taiwan	12.25	12.23	13.29	12.76	14.24	14.72	15.53	15.74	16.29	Taiwan
Thailand	17.19	17.21	17.43	15.19	14.83	14.29	14.67	14.31	14.81	Tailandia
Viet-Nam, N.	-	-	-	7.20	7.17	8.00	7.50	7.20	7.00	Vietnam del Norte
Viet-Nam, Rep.	5.32	6.44	6.22	7.48	6.72	5.49	7.18	7.08	7.43	Vietnam Rep.

TABLE No. 30
AVERAGE YIELDS OF CASSAVA (TONS/HA.)
CARIBBEAN AND CENTRAL AMERICA

<u>C o u n t r y</u>	<u>1960</u>	<u>1961</u>	<u>1962</u>	<u>1963</u>	<u>1964</u>	<u>1965</u>	<u>1966</u>	<u>1967</u>	<u>1968</u>	<u>P a i s</u>
Barbados	-	-	-	-	-	-	-	-	-	Barbados
Costa Rica	...	...	...	3.5	2.3	2.6	2.6	2.6	2.6	Costa Rica
Cuba	...	...	...	6.9	6.6	6.6	6.6	6.6	6.6	Cuba
Dominican Rep.	...	...	...	9.8	10.2	10.1	10.2	10.1	10.3	Rep.Dominicana
El Salvador	...	...	...	8.0	8.0	8.0	8.0	8.0	11.0	El Salvador
Guadaloupe	7.5	7.5	10.0	-	-	-	5.0	5.0	-	Guadalupe
Guatemala	...	...	...	3.0	3.0	3.0	3.0	3.0	3.0	Guatemala
Haiti	...	...	...	3.8	4.0	3.7	4.0	4.0	3.2	Haití
Honduras	3.7	4.0	4.0	3.2	3.2	3.2	3.2	3.2	3.6	Honduras
Jamaica	4.0	3.2	3.2	3.3	2.6	2.2	2.5	2.5	2.5	Jamaica
Martinique	-	-	-	-	-	-	-	-	-	Martinica
Nicaragua	...	...	...	4.0	4.0	4.3	4.3	4.3	4.3	Nicaragua
Panama	...	...	...	7.5	7.5	7.5	7.5	7.5	7.5	Panamá
Puerto Rico	3.5	2.0	2.0	2.0	2.0	2.5	3.0	5.0	5.0	Puerto Rico
Trinidad & Tobago	...	...	...	-	-	-	-	-	-	Trinidad y Tobago

TABLA No. 30
RENDIMIENTO PROMEDIO DE YUCA (TONELADAS/HECTAREAS)
CARIBE Y CENTRO AMERICA.

TABLE No. 31
AVERAGE YIELDS OF CASSAVA (TONS/HA.)
O C E A N I A

<u>C o u n t r y</u>	<u>1960</u>	<u>1961</u>	<u>1962</u>	<u>1963</u>	<u>1964</u>	<u>1965</u>	<u>1966</u>	<u>1967</u>	<u>1968</u>	<u>P a i s</u>
Fiji	....	....	....	11.43	11.43	11.43	11.43	11.43	11.71	Fiji
French Polynesia	....	-	....	-	-	-	-	-	-	Polinesia Francesa
New Caledonia	-	1.00	....	4.00	4.00	4.00	4.00	4.00	4.00	Nueva Caledonia
Pacific Islands	-	-	....	-	-	-	5.00	5.00	5.00	Islas del Pacífico
Tonga	10.00	6.00	7.00	9.00	9.5	10.00	10.00	11.00	11.00	Tonga

TABLA No. 31
RENDIMIENTO PROMEDIO DE YUCA (TONELADAS/HECTAREAS)
O C E A N I A

TABLE No. 32
AVERAGE YIELDS OF CASSAVA (TONS/HA.)
SOUTH AMERICA.-

<u>C o u n t r y</u>	<u>1960</u>	<u>1961</u>	<u>1962</u>	<u>1963</u>	<u>1964</u>	<u>1965</u>	<u>1966</u>	<u>1967</u>	<u>1968</u>	<u>P a í s</u>
Argentina	13.19	12.50	12.20	12.16	11.43	11.30	11.48	12.12	10.92	Argentina
Bolivia	19.25	....	....	17.25	16.67	17.40	17.00	14.90	16.00	Bolivia
Brazil	13.38	12.38	13.63	13.75	14.19	14.28	13.88	14.25	14.62	Brasil
Colombia	....	....	....	7.17	5.60	5.63	5.92	5.90	5.92	Colombia
Ecuador	8.96	8.84	9.22	7.74	7.88	10.16	9.96	9.62	7.18	Ecuador
French Guiana	15.00	15.00	15.00	6.00	6.00	5.00	5.00	5.00	6.00	Guayana Francesa
Guyana	-	-	-	10.00	10.00	10.00	10.00	10.00	10.00	Guyana
Paraguay	14.40	14.20	14.04	14.08	14.07	14.00	14.09	15.05	15.04	Paraguay
Peru	13.29	14.58	14.56	9.95	9.94	10.95	12.18	12.07	11.90	Perú
Surinam	-	-	-	-	-	-	-	-	-	Surinam
Venezuela	5.07	5.57	9.91	13.68	12.48	12.04	12.31	9.03	8.32	Venezuela

TABLA No. 32
RENDIMIENTO PROMEDIO DE YUCA (TONELADAS/HECTAREAS)
AMERICA DEL SUR.-

TABLE NO. 33
TOTAL AVERAGE YIELDS OF CASSAVA (TONS/HA.)
1960 - 1968 1/

<u>Continent</u>	<u>1960</u>	<u>1961</u>	<u>1962</u>	<u>1963</u>	<u>1964</u>	<u>1965</u>	<u>1966</u>	<u>1967</u>	<u>1968</u>	<u>Continente</u>
Africa	5.24	5.21	7.32	6.76	6.86	6.66	6.55	6.54	6.47	Africa
Asia	8.53	8.06	8.18	7.83	8.53	8.24	8.72	8.53	7.92	Asia
Caribbean and Central America	18.72	10.00	16.41	6.06	5.97	5.85	5.90	5.94	5.97	Caribe y Centro América
Oceania	1.62	1.88	1.50	11.20	11.30	11.40	10.45	10.63	10.81	Oceanía
South America	13.10	12.86	13.48	12.96	13.45	13.52	13.24	13.54	13.77	América del Sur
T o t a l	9.13	9.04	10.01	8.52	8.93	8.74	8.69	8.79	8.69	

1/ Excluding countries for which no information was available.

TABLA NO. 33
RENDIMIENTO PROMEDIO TOTAL DE CASSAVA (TONS/HAS.)
1960 - 1968 1/

1/ Se excluyen los países de los cuales no se dispone de información.

PRODUCTION OF CASSAVA PER CAPITA

PRODUCCION DE YUCA PER CAPITA

(KILOGRAMOS)

TABLE No. 34
PRODUCTION OF CASSAVA PER CAPITA (KG.)
A F R I C A

TABLA No. 34
PRODUCCION DE YUCA PER CAPIA (KILÓGRAMO)
A F R I C A

<u>C o u n t r y</u>	<u>1960</u>	<u>1961</u>	<u>1962</u>	<u>1963</u>	<u>1964</u>	<u>1965</u>	<u>1966</u>	<u>1967</u>	<u>1968</u>	<u>P a f s</u>
Angola	-	-	-	259.20	259.60	271.60	287.10	288.00	288.10	Angola
Burundi	....	....	....	279.20	285.50	267.20	256.40	250.00	256.90	Burundi
Central Afric. Rep.	1,818.10	1,792.90	1,718.70	765.60	747.30	729.90	672.40	685.40	700.70	Rep.Centro Africana
Comoro Islands	....	....	....	149.75	146.22	140.90	133.33	130.43	123.07	Islas Comoras
Congo Brazzaville	1,052.63	....	....	1,046.79	847.45	595.23	470.58	465.11	459.77	Rep. del Congo
Congo D. Rep.	....	....	....	404.67	406.60	463.74	507.69	498.20	484.16	Rep.Dem.del Congo
Chad	....	....	....	12.46	15.33	15.72	15.47	15.24	15.89	Chad
Dahomey	....	....	561.36	549.77	457.39	394.50	451.86	456.02	444.18	Dahomey
East & West Cameroon	....	....	....	135.10	138.20	135.90	144.60	137.10	134.80	Camerun Oriental y Occidental
Equat. Guinea	....	....	....	147.28	152.09	149.81	147.05	144.40	149.46	Guinea Ecuatorial
Gabon	345.45	....	....	285.08	272.33	269.97	267.09	264.27	270.83	Gabón
Gambia	....	22.47	22.30	18.98	18.57	18.18	17.85	17.49	17.14	Gambia
Ghana	....	....	....	162.67	163.06	89.01	147.38	144.54	172.63	Ghana
Guinea	....	136.69	....	125.00	131.57	120.00	120.01	119.99	110.67	Guinea
Ivory Coast	243.65	242.42	225.18	267.39	306.66	320.73	266.32	274.31	114.81	Costa de Marfil
Kenya	....	....	....	67.82	65.90	64.06	62.29	60.43	60.73	Kenia
Liberia	....	....	....	412.62	403.45	397.19	394.49	387.38	380.53	Liberia
Madagascar	119.78	148.42	....	143.48	140.28	134.83	114.53	141.73	140.00	Madagascar

TABLA No. 34 (cont.)

<u>C o u n t r y</u>	<u>1960</u>	<u>1961</u>	<u>1962</u>	<u>1963</u>	<u>1964</u>	<u>1965</u>	<u>1966</u>	<u>1967</u>	<u>1968</u>	<u>P a í s</u>
Malawi	....	....	....	36.23	35.40	35.53	34.70	33.90	25.70	Malawi
Mali	43.90	38.03	....	36.41	33.44	32.78	45.12	45.10	46.44	Mali
Mozamb.Farms & Villages	....	....	....	5.00	6.69	4.88	5.96	5.89	6.04	Mozambique
Niger	28.69	34.75	41.73	43.27	46.03	45.07	43.11	47.65	39.41	Niger
Nigeria	....	....	....	132.20	128.58	128.25	107.92	104.77	104.85	Nigeria
Port.Guinea	....	....	....	68.70	68.57	66.41	66.28	66.28	69.94	Guinea Port.
Reunion	14.83	14.40	....	13.47	13.02	7.46	12.25	11.96	11.73	Reunion
Rwanda	....	....	....	16.38	57.65	57.23	56.18	57.47	55.80	Ruanda
Sao Tome e P.	....	....	....	34.48	33.89	32.78	33.33	33.33	30.76	Santo Tomé e Príncipe
Senegal	57.55	52.78	....	45.70	45.88	42.98	67.31	65.12	62.95	Senegal
Seychelles	....	....	....	22.22	-	21.27	20.83	20.83	20.40	Seychelles
Sierra Leone	....	22.85	....	26.54	26.15	25.34	24.96	24.60	25.05	Sierra Leona
Somalia	....	7.38	....	7.39	7.43	8.00	7.75	7.51	8.37	Somalia
Sudan	....	....	....	9.35	9.10	9.15	9.03	9.05	8.93	Sudán
Togo	413.88	381.08	....	695.20	511.54	599.51	605.35	648.49	632.05	Togo
Uganda	....	....	....	158.55	128.95	196.00	258.39	226.87	245.91	Uganda
Upper Volta	....	....	....	7.03	6.88	6.73	5.56	6.04	5.97	Alto Volta
Zambia	....	....	....	42.90	42.50	41.24	40.39	40.32	39.21	Zambia

TABLE No. 35
PRODUCTION OF CASSAVA PER CAPITA (KG.)
A S I A

<u>C o u n t r y</u>	<u>1960</u>	<u>1961</u>	<u>1962</u>	<u>1963</u>	<u>1964</u>	<u>1965</u>	<u>1966</u>	<u>1967</u>	<u>1968</u>	<u>P a f s</u>
Brunei	11.90	22.98	....	10.63	10.31	19.80	19.23	18.51	17.85	Brunei
Cambodia	....	....	2.26	2.19	2.46	4.79	2.95	3.48	3.82	Camboya
Ceylon	14.75	25.96	16.28	32.97	33.84	29.38	25.26	29.57	35.52	Ceilań
India	4.15	4.15	4.02	3.78	5.93	6.23	6.95	7.46	8.62	India
Indonesia	135.78	118.92	123.82	115.91	118.56	106.68	111.79	101.81	103.71	Indonesia
Laos	....	....	....	4.38	3.50	3.78	3.70	3.61	3.54	Laos
Malaysia, Sabah	....	....	....	26.42	25.64	30.41	34.48	34.66	32.62	Malasia Sabah
Malaysia, West	....	....	....	38.10	39.67	38.56	37.35	34.96	31.92	Malasia Occidental
Philippines	16.12	19.32	16.91	19.70	20.65	18.98	15.80	13.90	13.82	Filipinas
Portuguese Timor	....	....	....	24.25	23.94	16.33	26.88	14.13	17.24	Islas Timor
Ryukyu Islands	....	....	....	-	-	-	-	-	-	Islas Ryukius
Singapore	1.22	1.18	1.73	1.69	1.64	1.60	1.56	1.53	2.01	Singapur
Taiwan	13.85	14.49	19.91	18.55	20.05	21.29	20.60	22.75	25.39	Taiwan
Thailand	41.04	44.96	61.65	72.98	52.21	46.93	59.72	54.90	59.36	Tailandia
Viet-Nam, N.	-	-	-	49.50	48.02	43.54	39.78	37.22	35.28	Vietnam del Norte
Viet-Nam, Rep.	12.83	15.11	17.08	25.39	18.39	14.63	16.92	15.46	14.93	Vietnam Rep.

TABLE No. 36

PRODUCTION OF CASSAVA PER CAPITA (KG.)
CARIBBEAN AND CENTRAL AMERICA

TABLA No. 36

PRODUCCION DE YUCA PER CAPITA (KILOGRAMO)
CARIBE Y CENTRO AMERICA.

<u>C o u n t r y</u>	<u>1960</u>	<u>1961</u>	<u>1962</u>	<u>1963</u>	<u>1964</u>	<u>1965</u>	<u>1966</u>	<u>1967</u>	<u>1968</u>	<u>P a í s</u>
Barbados	.....	.....	4.25	4.21	4.14	4.09	4.04	4.01	3.95	Barbados
Costa Rica	.....	.....	.....	5.18	5.00	5.48	5.26	5.06	4.87	Costa Rica
Cuba	.....	.....	.....	31.78	26.90	26.20	25.64	25.19	24.71	Cuba
Dominican Rep.	.....	.....	.....	43.54	43.74	41.94	40.75	39.08	39.50	Rep.Dominicana
El Salvador	.....	.....	.....	2.94	2.83	2.73	2.63	2.53	3.36	El Salvador
Guadaloupe	54.54	53.38	34.60	16.66	16.23	15.92	15.67	15.62	15.52	Guadalupe
Guatemala	.....	.....	.....	0.71	0.69	0.67	0.65	0.63	0.61	Guatemala
Haiti	.....	.....	.....	27.20	27.84	25.47	26.75	26.19	17.12	Haití
Honduras	8.16	8.43	8.16	7.48	7.24	7.00	6.77	6.54	7.10	Honduras
Jamaica	7.42	7.95	7.91	5.89	4.59	5.02	5.43	5.33	5.22	Jamaica
Martinique	13.93	-	10.13	9.93	9.55	9.31	9.17	9.09	8.45	Martinica
Nicaragua	.....	.....	.....	7.78	7.51	7.85	7.55	7.29	7.05	Nicaragua
Panama	.....	.....	.....	38.56	37.34	36.11	34.96	33.86	32.79	Panamá
Puerto Rico	2.96	2.49	2.43	2.38	2.37	1.90	2.25	1.85	1.83	Puerto Rico
Trinidad & Tobago	.....	.....	.....	5.41	5.25	5.13	5.02	4.95	4.89	Trinidad y Tobago

TABLE No. 37
PRODUCTION OF CASSAVA PER CAPITA (KG.)
O C E A N I A

<u>C o u n t r y</u>	<u>1960</u>	<u>1961</u>	<u>1962</u>	<u>1963</u>	<u>1964</u>	<u>1965</u>	<u>1966</u>	<u>1967</u>	<u>1968</u>	<u>P a í s</u>
Fiji	....	....	....	184.33	178.17	172.41	167.36	163.26	162.37	Fiji
French Polynesia	....	....	....	58.14	56.18	54.34	63.15	61.85	60.00	Polinesia Francesa
New Caledonia	12.98	....	....	46.51	44.94	43.95	43.01	42.10	41.66	Nueva Caledonia
Pacific Islands	25.97	64.10	61.72	58.14	56.18	54.34	53.19	53.76	52.08	Islas del Pacífico
Tonga	158.73	92.30	104.47	264.70	267.60	266.66	259.74	278.48	271.60	Tonga

TABLA No. 37
PRODUCCION DE YUCA PER CAPITA (KILÓGRAMO)
O C E A N I A

TABLE NO. 38
PRODUCTION OF CASSAVA PER CAPITA (KG.)
SOUTH AMERICA.

<u>C o u n t r y</u>	<u>1960</u>	<u>1961</u>	<u>1962</u>	<u>1963</u>	<u>1964</u>	<u>1965</u>	<u>1966</u>	<u>1967</u>	<u>1968</u>	<u>P a i s</u>
Argentina	13.84	10.67	11.39	10.56	10.81	11.53	10.52	13.03	11.56	Argentina
Bolivia	22.30	....	....	38.36	41.13	47.06	45.35	39.20	34.18	Bolivia
Brazil	194.68	245.07	246.99	292.15	310.55	309.45	297.08	318.34	331.06	Brasil
Colombia	....	....	....	80.55	40.08	44.39	45.17	44.29	45.39	Colombia
Ecuador	56.01	49.61	46.17	43.41	37.96	49.32	52.41	59.36	49.16	Ecuador
French Guiana	454.54	441.17	441.17	171.42	176.47	142.85	135.13	131.57	150.00	Guayana Francesa
Guyana	-	-	-	16.34	15.87	15.45	15.10	14.70	14.08	Guyana
Paraguay	533.73	548.56	548.70	523.56	736.28	744.82	686.24	675.61	674.13	Paraguay
Peru	29.38	35.32	34.23	39.97	43.99	38.54	40.54	40.93	39.14	Perú
Surinam	6.49	6.23	5.79	7.30	7.06	6.85	3.32	3.21	6.23	Surinam
Venezuela	29.60	44.66	67.96	39.63	34.90	32.57	33.43	31.88	33.23	Venezuela

TABLE No. 39
PRODUCCION DE YUCA PER CAPITA (KILOGRAMO)
AMERICA DEL SUR.

TABLE NO. 39
TOTAL PRODUCTION CASSAVA PER CAPITA (KG.)
1960 - 1968 1/

<u>Continent</u>	<u>1960</u>	<u>1961</u>	<u>1962</u>	<u>1963</u>	<u>1964</u>	<u>1965</u>	<u>1966</u>	<u>1967</u>	<u>1968</u>	<u>Continente</u>
Africa	42.72	38.84	31.10	145.39	145.76	148.10	149.32	146.34	143.55	Africa
Asia	25.60	24.61	25.53	26.21	27.08	25.01	26.48	25.03	24.10	Asia
Caribbean and Central America	7.26	6.53	6.97	18.07	16.97	16.27	16.13	15.67	14.51	Caribe y Centro América
Oceania	18.92	30.90	18.34	147.36	143.58	140.04	137.39	137.00	135.53	Oceanía
South America	141.43	146.81	149.02	178.27	186.23	186.69	179.90	204.03	197.07	América del Sur
T o t a l	43.78	43.76	43.56	67.77	69.05	68.19	68.50	69.23	68.43	

1/ Excluding countries for which no information was available.

TABLA NO. 39
PRODUCCION TOTAL DE YUCA PER CAPITA (KILOGRAMO)
1960 - 1968 1/

1/ Se excluyen los países de los cuales no se dispone de información.

ESTIMATED REGRESSION COEFFICIENTS

COEFICIENTES DE REGRESION ESTIMADOS

FILE 40
 THE ESTIMATED REGRESSION COEFFICIENT WITH RESPECT TO PRODUCTION
 PER CAPITA IN AFRICA.

FILE 40
 EL COEFICIENTE DE REGRESION CON RELACION A LA
 PRODUCCION PER CAPITA EN AFRICA.

Country	TOTAL PERIOD-PERIODO TOTAL			PARCIAL PERIOD-PERIODO PARCIAL			Number of years included.	Países
	a	b	R ²	a	b	R ²	Número de años incluidos	
Angola	251.08	7.00	0.87	-	-	-	-	Angola
Burundi	288.74	-6.53	0.75	-	-	-	-	Burundi
Central Africa Rep.	1896.81	-165.34	0.72	773.65	-16.22	0.68	6	Rep. Centro Africana
Comoro Islands	156.12	-5.38	0.98	-	-	-	-	Islas Comoras
Congo Brazzaville	1068.17	-120.19	0.83	-	-	-	-	Rep. del Congo
Congo D. Rep.	389.23	20.46	0.71	-	-	-	-	Rep. Dem. del Congo
Chad	13.35	0.47	0.48	15.33	0.06	0.13	5	Chad
Dahomey	551.37	-19.44	0.48	-	-	-	-	Dahomey
East & West Cameroon	137.22	0.11	0.00	136.66	-0.13	0.03	5	Camerun Oriental y Occidental
Equat. Guinea	149.84	-0.42	0.08	-	-	-	-	Guinea Ecuatorial
Gabon	281.43	-2.80	0.52	-	-	-	-	Gabón
Gambia	22.61	-0.77	0.82	19.31	-0.36	0.92	6	Gambia
Ghana	141.29	1.50	0.00	159.77	-0.47	0.00	4	Ghana
Guinea	131.85	-3.04	0.68	-	-	-	-	Guinea
Ivory Coast	279.94	-4.73	0.04	-	-	-	-	Costa de Marfil
Kenya	68.90	-1.53	0.94	-	-	-	-	Kenia
Liberia	417.08	-6.03	0.98	-	-	-	-	Liberia
Madagascar	139.14	-0.95	0.02	140.84	-0.22	0.02	5	Madagascar

TABLA No. 40 (cont.)

C o u n t r y	TOTAL PERIOD-PERIODO TOTAL			PARCIAL PERIOD-PERIODO PARCIAL			Number of years included.	P a í s
	a	b	R ²	a	b	R ²	Número de años incluidos	
Malawi	39.37	-1.65	0.61	-	-	-	-	Malawi
Mali	30.13	2.78	0.67	-	-	-	-	Mali
Mozamb.Farms & Villages	5.36	0.11	0.09	-	-	-	-	Mozambique
Niger	33.90	1.43	0.42	-	-	-	-	Niger
Nigeria	140.61	-6.52	0.85	-	-	-	-	Nigeria
Port.Guinea	67.77	-0.02	0.00	-	-	-	-	Guinea Port.
Reunion	12.36	-0.20	0.03	13.75	-0.35	0.98	5	Reunion
Rwanda	30.57	5.58	0.39	57.90	-0.34	0.44	5	Ruanda
Sao Tome e P.	35.07	-0.56	0.67	-	-	-	-	Santo Tomé y Príncipe
Senegal	38.15	4.80	0.64	-	-	-	-	Senegal
Seychelles	21.48	-0.26	0.89	-	-	-	-	Seychelles
Sierra Leone	26.69	-0.35	0.79	-	-	-	-	Sierra Leona
Somalia	7.25	0.14	0.47	-	-	-	-	Somalia
Sudan	9.34	-0.06	0.79	-	-	-	-	Sudán
Togo	605.27	2.88	0.00	512.39	29.00	0.74	5	Togo
Uganda	123.15	22.65	0.69	-	-	-	-	Uganda
Upper Volta	7.27	-0.25	0.66	-	-	-	-	Alto Volta
Zambia	43.67	-0.73	0.96	-	-	-	-	Zambia

TABLE No. 41
THE ESTIMATED REGRESSION COEFFICIENT WITH RESPECT TO PRODUCTION
PER CAPITA IN AS

TABLA No. 41
COEFICIENTE DE REGRESION ESTIMADO CON RESPECTO A LA
PRODUCCION PER CAPITA EN AS

Country	TOTAL PERIOD-PERODO TOTAL			PARCIAL ANALYSIS-ANALISIS PARCIAL			Number of years included.	País
	a	b	R ²	a	b	R ²	Número de años incluidos.	
Brunei	10.04	1.71	0.53	20.48	-0.65	0.99	4	Brunei
Cambodia	2.03	0.27	0.39	1.76	0.27	0.93	6	Camboya
Ceylan	18.04	1.80	0.44	-	-	-	-	Ceilán
India	2.69	0.60	0.87	-	-	-	-	India
Indonesia	132.96	-3.54	0.82	-	-	-	-	Indonesia
Laos	4.15	-0.11	0.42	3.87	-0.08	0.99	4	Laos
Malaysia, Sabah	24.49	1.77	0.70	-	-	-	-	Malasia Sabah
Malaysia, West	41.38	-1.32	0.75	42.22	-1.90	0.94	5	Malasia Occidental
Philippines	19.61	-0.47	0.26	22.25	-1.87	0.92	5	Filipinas
Portuguese Timor	25.85	-1.54	0.30	-	-	-	-	Islas Timor
Singapore	1.26	-0.06	0.46	-	-	-	-	Singapur
Taiwan	13.40	1.25	0.87	-	-	-	-	Taiwan
Thailand	48.83	1.19	0.11	-	-	-	-	Tailandia
Viet-Nam, N	52.95	-0.06	0.93	-	-	-	-	Vietnam del Norte
Viet-Nam, Rep.	16.88	-0.02	0.00	14.97	0.13	0.05	9	Vietnam, Rep.

TABLE NO. 42
THE ESTIMATED REGRESSION COEFFICIENT WITH RESPECT TO PRODUCTION
PER CAPITA IN CARIBBEAN ISLANDS AND CENTRAL AMERICA.

TABLA NO. 42
COEFICIENTE DE REGRESION ESTIMADO CON RESPECTO A LA
PRODUCCION PER CAPITA EN LAS ISLAS DEL CARIBE Y
CENTRO AMERICA.

C o u n t r y	TOTAL PERIOD-PERIODO TOTAL			PARCIAL ANALYSIS-ANALISIS PARCIAL			Number of years included.	P a í s
	a	b	R ²	a	b	R ²	Número de años incluidos	
Barbados	4.30	-0.05	0.99	-	-	-	-	Barbados
Costa Rica	5.30	-0.04	0.15	5.67	-0.20	0.99	4	Costa Rica
Cuba	30.84	-1.17	0.71	27.34	-0.53	0.99	5	Cuba
Dominican Rep.	44.96	-1.01	0.90	-	-	-	-	Rep.Dominicana
El Salvador	2.72	0.03	0.04	3.03	-0.10	0.99	5	El Salvador
Guadaloupe	52.12	-5.13	0.70	16.71	-0.22	0.90	6	Guadaloupe
Guatemala	0.73	-0.02	0.99	-	-	-	-	Guatemala
Haiti	30.50	-1.54	0.52	27.62	-0.31	0.29	5	Haití
Honduras	8.53	-0.22	0.79	8.72	-0.27	0.92	9	Honduras
Jamaica	7.96	-0.37	0.61	4.65	0.15	0.56	5	Jamaica
Martinique	10.39	-0.25	0.95	-	-	-	-	Martinica
Nicaragua	7.97	-0.13	0.67	8.10	-0.26	0.99	4	Nicaragua
Panamá	39.64	-1.15	0.99	-	-	-	-	Panamá
Puerto Rico	2.88	-0.12	0.81	-	-	-	-	Puerto Rico
Trinidad & Tobago	5.47	-0.10	0.97	-	-	-	-	Trinidad y Tobago

TABLE No. 43

THE ESTIMATED REGRESSION COEFFICIENT WITH RESPECT TO PRODUCTION
PER CAPITA IN OCEANIA.

TABLA No. 43

COEFICIENTE DE REGRESION ESTIMADA CON RESPECTO A LA
PRODUCCION PER CAPITA EN OCEANIA.

<u>C o u n t r y</u>	<u>TOTAL PERIOD-PERIODO TOTAL</u>			<u>PARCIAL ANALYSIS-ANALISIS PARCIAL</u>			<u>Number of years included</u>	<u>P a i s</u>
	<u>a</u>	<u>b</u>	<u>R²</u>	<u>a</u>	<u>b</u>	<u>R²</u>	<u>Número de años incluidos</u>	
Fiji	187.27	-4.55	0.96	-	-	-	-	Fiji
French Polynesia	55.43	1.00	0.31	-	-	-	-	Polinesia Francesa
New Caledonia	47.06	-0.96	0.97	-	-	-	-	Nueva Caledonia
Pacific Islands	48.89	0.87	0.04	64.22	-1.67	0.90	8	Islas del Pacífico
Tonga	108.05	22.09	0.61	262.11	1.71	0.50	6	Tonga

TABLE No. 44
THE ESTIMATED REGRESSION COEFFICIENT WITH RESPECTO TO PRODUCTION
PER CAPITA IN SOUTH AMERICA.

TABLA No. 44
COEFICIENTE DE REGRESION ESTIMADO CON RESPECTO A LA
PRODUCCION PER CAPITA EN AMERICA DEL SUR.

<u>C o u n t r y</u>	<u>TOTAL PERIOD-PERODO TOTAL</u>			<u>PARCIAL ANALYSIS-ANALISIS PARCIAL</u>			<u>Number of years included.</u>	<u>P a í s</u>
	<u>a</u>	<u>b</u>	<u>R²</u>	<u>a</u>	<u>b</u>	<u>R²</u>	<u>Número de años incluidos.</u>	
Argentina	11.78	-0.04	0.01	-	-	-	-	Argentina
Bolivia	43.72	-0.81	0.10	52.65	-4.47	0.95	4	Bolivia
Brazil	209.25	14.71	0.82	-	-	-	-	Brasil
Colombia	66.21	-4.63	0.33	40.71	1.05	0.76	5	Brasil
Ecuador	47.58	0.33	0.02	-	-	-	-	Ecuador
French Guinea	481.67	-46.46	0.73	176.19	-7.12	0.50	6	Guayana Francesa
Guyana	16.77	-0.43	0.99	-	-	-	-	Guyana
Paraguay	510.26	23.98	0.52	761.47	-19.35	0.79	5	Paraguay
Peru	32.41	1.11	0.49	-	-	-	-	Perú
Surinam	7.12	-0.25	0.21	-	-	-	-	Surinam
Venezuela	46.98	-1.66	0.14	38.29	-1.14	0.58	6	Venezuela

TABLE NO. 45
ESTIMATED REGRESSION COEFFICIENTS WITH RESPECT TO AREA
AND PRODUCTION ^{1/}

<u>Continente</u>	<u>AREA PLANTED</u> <u>AREA SEMBRADA</u> <u>1,000 Ha.</u>			<u>Number of years</u> <u>included</u> <u>Número de años</u> <u>incluidos</u>
	<u>a</u>	<u>b</u>	<u>R²</u>	
Africa	1857.00	477.82	0.52	7
Asia	1941.86	66.53	0.81	7
Caribbean and Central America	101.80	-1.00	0.32	5
Oceania	9.60	0.25	0.77	6
South America	1461.21	123.78	0.88	8
Total	8117.46	219.34	0.93	6

^{1/} Excluding countries for which no information was available.

TABLA NO. 45
COEFICIENTES DE REGRESION ESTIMADOS CON RELACION AL
AREA SEMBRADA Y PRODUCCION ^{1/}

<u>PRODUCTION</u> <u>PRODUCCION</u> <u>1,000 Metric Tons.</u>			<u>Number of years</u> <u>included</u> <u>Número de años</u> <u>incluidos</u>	<u>Continente</u>
<u>a</u>	<u>b</u>	<u>R²</u>		
13330.00	2936.42	0.47	7	Africa
16171.68	487.90	0.66	8	Asia
601.10	-5.10	0.33	5	Caribe y Centro América
110.20	1.37	0.96	6	Oceanía
18750.85	1835.72	0.91	8	América del Sur
70545.46	2007.48	0.99	6	

^{1/} Se excluyen los países de los cuales no se dispone de información.

TABLE NO. 46
ESTIMATED REGRESSION COEFFICIENTS WITH RESPECT TO AVERAGE
YIELD AND PRODUCTION PER CAPITA ^{1/}

<u>Continente</u>	<u>AVERAGE YIELD</u> <u>RENDIMIENTO PROMEDIO</u> <u>Tons/Ha.</u>			<u>Number of years</u> <u>included</u>
	<u>a</u>	<u>b</u>	<u>R²</u>	<u>Número de años</u> <u>incluidos</u>
Africa	7.20	-0.11	0.77	7
Asia	8.08	0.03	0.08	8
Caribbean and Central America	5.89	0.01	0.10	5
Oceania	11.45	-0.14	0.45	6
South America	12.94	0.09	0.51	8
Total	8.69	0.01	0.02	6

^{1/} Excluding countries for which no information was available.

TABLA NO. 46
COEFICIENTES DE REGRESION ESTIMADOS CON RELACION A
RENDIMIENTO PROMEDIO Y PRODUCCION PER CAPITA ^{1/}

<u>PRODUCTION PER CAPITA</u> <u>PRODUCCION PER CAPITA</u>			<u>Number of years</u> <u>included</u>	<u>Continente</u>
<u>Kgrs.</u>			<u>Número de años</u> <u>incluidos</u>	
<u>a</u>	<u>b</u>	<u>R²</u>		
147.03	-0.17	0.02	6	Africa
25.89	-0.08	0.04	8	Asia
17.56	-0.55	0.91	5	Caribe y Centro América
148.30	-2.32	0.92	6	Oceanía
144.63	7.52	0.79	8	América del Sur
68.11	0.11	0.16	6	

^{1/} Se excluyen los países de los cuales no se dispone de información.

A P P E N D I X

A P E N D I C E

TABLE No. 47
POPULATION (1,000)
A F R I C A

TABLA No. 47
POBLACION (1,000)
A F R I C A

<u>C o u n t r y</u>	<u>1960</u>	<u>1961</u>	<u>1962</u>	<u>1963</u>	<u>1964</u>	<u>1965</u>	<u>1966</u>	<u>1967</u>	<u>1968</u>	<u>P a í s</u>
Angola	4,642	-	4,936	5,015	5,084	5,154	5,225	5,293	5,362	Angola
Burundi	2,224	....	2,600	3,030	3,120	3,210	3,310	3,400	3,406	Burundi
Central Afric.Rep.	1,210	1,227	1,280	1,306	1,338	1,370	1,487	1,459	1,427	Rep.Centro Africana
Comoro Islands	190	....	....	207	212	220	225	230	260	Islas Comoras
Congo Brazzaville	760	....	810	812	826	840	850	860	870	Rep. del Congo
Congo D. Rep.	14,139	14,464	14,797	15,007	15,300	15,627	15,986	16,353	16,730	Rep.Dem.del Congo
Chad	2,660	2,680	2,720	3,210	3,260	3,307	3,361	3,410	3,460	Chad
Dahomey	1,944	2,050	2,200	2,230	2,300	2,365	2,410	2,456	2,571	Dahomey
East & West Cameroon	....	....	....	5,008	5,108	5,229	5,350	5,470	5,562	Camerun Oriental y Occidental
Equat. Guinea	244	248	253	258	263	267	272	277	281	Guinea Ecuatorial
Gabon	440	448	453	456	459	463	468	473	480	Gabón
Gambia	284	267	269	316	323	330	336	343	350	Gambia
Ghana	6,777	6,960	7,148	7,340	7,537	7,740	7,945	8,143	8,376	Ghana
Guinea	3,072	3,175	3,259	3,360	3,420	3,500	3,608	3,719	3,795	Guinea
Ivory Coast	3,230	3,300	3,375	3,665	3,750	3,835	3,920	4,010	4,616	Costa de Marfil
Kenya	8,115	8,352	8,595	8,847	9,104	9,365	9,632	9,928	10,209	Kenia
Liberia	....	....	1,016	1,030	1,041	1,070	1,090	1,110	1,130	Liberia
Madagascar	5,393	5,572	5,756	5,924	6,059	6,200	6,810	6,350	6,500	Madagascar

TABLA No. 47 (cont.)

<u>C o u n t r y</u>	<u>1960</u>	<u>1961</u>	<u>1962</u>	<u>1963</u>	<u>1964</u>	<u>1965</u>	<u>1966</u>	<u>1967</u>	<u>1968</u>	<u>P a í s</u>
Malawi	2,830	2,890	2,950	3,753	3,845	3,940	4,035	4,130	4,285	Malawi
Mali	4,100	4,207	4,305	4,394	4,485	4,576	4,654	4,745	4,737	Mali
Mozamb.Farms & Villages	6,475	6,633	....	6,789	6,872	6,956	7,040	7,124	7,274	Mozambique
Niger	2,823	2,906	2,995	3,143	3,237	3,328	3,433	3,546	3,806	Niger
Nigeria	35,091	35,752	36,475	55,119	56,773	58,476	60,230	62,037	63,900	Nigeria
Port.Guinea	521	....	....	524	525	527	528	528	529	Guinea Port.
Reunion	337	347	358	371	384	402	408	418	426	Reunion
Rwanda	2,665	....	....	2,930	3,018	3,110	3,204	3,306	3,405	Ruanda
Sao Tome e P.	64	62	59	58	59	61	60	60	65	Santo Tomé e Príncipe
Senegal	3,110	3,183	3,249	3,326	3,400	3,490	3,580	3,670	3,685	Senegal
Seychelles	42	43	44	45	-	47	48	48	49	Seychelles
Sierra Leone	2,450	2,450	....	2,298	2,332	2,367	2,403	2,439	2,475	Sierra Leona
Somalia	....	2,030	2,250	2,300	2,420	2,500	2,580	2,660	2,745	Somalia
Sudan	11,770	12,109	12,470	12,831	13,180	13,540	13,940	14,355	14,770	Sudán
Togo	1,440	1,480	1,523	1,565	1,603	1,638	1,680	1,724	1,772	Togo
Uganda	6,677	6,845	7,016	7,190	7,367	7,551	7,740	7,934	8,133	Uganda
Upper Volta	4,300	4,400	4,500	4,550	4,650	4,750	4,850	4,960	5,025	Alto Volta
Zambia	3,210	3,300	3,400	3,496	3,600	3,710	3,837	3,968	4,080	Zambia

TABLE No. 48
POPULATION (1,000)
A S I A

TABLA No. 48
POBLACION (1,000)
A S I A

<u>C o u n t r y</u>	<u>1960</u>	<u>1961</u>	<u>1962</u>	<u>1963</u>	<u>1964</u>	<u>1965</u>	<u>1966</u>	<u>1967</u>	<u>1968</u>	<u>P a í s</u>
Brunei	84	87	....	94	97	101	104	108	112	Brunei
Cambodia	4,952	....	5,740	5,920	6,090	6,260	6,430	6,610	6,791	Camboya
Ceylon	9,896	10,168	10,442	10,646	10,903	11,164	11,440	11,701	11,964	Ceilán
India	429,027	435,512	449,641	464,165	475,353	486,650	498,703	511,625	523,893	India
Indonesia	93,506	95,655	97,765	100,754	103,417	105,679	108,231	110,899	113,773	Indonesia
Laos	1,805	1,850	....	2,510	2,570	2,640	2,700	2,770	2,825	Laos
Malaysia, Sabah	454	472	478	492	507	526	551	577	613	Malasia Sabah
Malaysia, West	6,909	7,137	7,376	7,611	7,814	8,039	8,298	8,580	8,770	Malasia Occidental
Philippines	27,410	28,313	29,257	30,241	31,270	32,345	33,477	34,656	35,883	Filipinas
Portuguese Timor	517	....	528	536	543	551	558	566	580	Islas Timor
Ryukyu Islands	876	889	900	912	923	931	943	952	965	Islas Ryukius
Singapore	1,634	1,687	1,733	1,775	1,820	1,865	1,914	1,956	1,988	Singapur
Taiwan	10,612	10,971	11,349	11,696	12,070	12,443	12,811	13,142	13,466	Taiwan
Thailand	26,388	27,180	27,995	28,923	29,820	30,744	31,678	32,608	33,693	Tailandia
Viet-Nam, N.	15,917	-	-	17,453	17,907	18,373	18,850	19,340	19,840	Vietnam del Norte
Viet-Nam, Rep.	14,100	14,494	14,929	15,317	15,715	16,124	16,543	16,973	17,414	Vietnam, Rep.

TABLE No. 49
POPULATION (1,000)
CARIBBEAN AND CENTRAL AMERICA

TABLA No. 49
POPULATION (1,000)
CARIBE Y CENTRO AMERICA

<u>C o u n t r y</u>	<u>1960</u>	<u>1961</u>	<u>1962</u>	<u>1963</u>	<u>1964</u>	<u>1965</u>	<u>1966</u>	<u>1967</u>	<u>1968</u>	<u>P a í s</u>
Barbados	233	233	235	237	241	244	247	249	253	Barbados
Costa Rica	1,171	1,225	1,274	1,350	1,400	1,460	1,520	1,580	1,640	Costa Rica
Cuba	6,879	6,986	7,107	7,236	7,434	7,631	7,800	7,937	8,074	Cuba
Dominican Rep.	....	....	....	3,376	3,498	3,624	3,754	3,889	3,924	Rep.Dominicana
El Salvador	2,454	2,526	2,627	2,721	2,824	2,928	3,037	3,151	3,266	El Salvador
Guadaloupe	275	281	239	300	308	314	319	320	322	Guadalupe
Guatemala	3,765	3,886	4,017	4,177	4,305	4,438	4,575	4,717	4,864	Guatemala
Haiti	4,156	4,249	4,346	4,227	4,310	4,396	4,485	4,581	4,671	Haití
Honduras	1,837	1,896	1,959	2,137	2,209	2,284	2,363	2,445	2,535	Honduras
Jamaica	1,616	1,635	1,642	1,698	1,742	1,791	1,839	1,876	1,913	Jamaica
Martinique	287	291	296	302	314	322	327	330	355	Martinica
Nicaragua	1,414	1,455	....	1,541	1,597	1,655	1,720	1,783	1,842	Nicaragua
Panama	1,062	1,115	1,146	1,167	1,205	1,246	1,287	1,329	1,372	Panamá
Puerto Rico	2,362	2,409	2,460	2,520	2,528	2,632	2,667	2,697	2,723	Puerto Rico
Trinidad & Tobago	841	867	894	924	951	974	995	1,010	1,021	Trinidad y Tobago

TABLE No. 50
POPULATION (1,000)
O C E A N I A

TABLA No. 50
POBLACION (1,000)
O C E A N I A

<u>C o u n t r y</u>	<u>1960</u>	<u>1961</u>	<u>1962</u>	<u>1963</u>	<u>1964</u>	<u>1965</u>	<u>1966</u>	<u>1967</u>	<u>1968</u>	<u>P a í s</u>
Fiji	394	407	421	434	449	464	478	490	505	Fiji
French Polynesia	76	-	85	86	89	92	95	97	100	Polinesia Francesa
New Caledonia	77	-	-	86	89	91	93	95	96	Nueva Caledonia
Pacific Islands	77	78	81	86	89	92	94	93	96	Islas del Pacífico
Tonga	63	65	67	68	71	75	77	79	81	Tonga

TABLE No. 51
POPULATION (1,000)
SOUTH AMERICA

TABLA No. 51
POBLACION (1,000)
SOUTH AMERICA

<u>C o u n t r y</u>	<u>1960</u>	<u>1961</u>	<u>1962</u>	<u>1963</u>	<u>1964</u>	<u>1965</u>	<u>1966</u>	<u>1967</u>	<u>1968</u>	<u>P a i s</u>
Argentina	20,006	21,072	21,414	21,870	22,202	22,545	22,897	23,255	23,617	Argentina
Bolivia	3,453	3,500	3,549	3,597	3,647	3,697	3,748	3,801	4,680	Bolivia
Brazil	69,730	71,868	74,096	76,156	78,427	80,766	83,175	85,655	88,209	Brasil
Colombia	14,132	14,443	14,769	16,921	17,462	18,020	18,596	19,191	19,825	Colombia
Ecuador	4,320	4,454	4,591	4,814	4,979	5,150	5,326	5,508	5,695	Ecuador
French Guiana	33	34	34	35	34	35	37	38	40	Guayana Francesa
Guyana	-	-	-	612	630	647	662	680	710	Guyana
Paraguay	1,768	1,812	1,817	1,910	1,968	2,030	2,094	2,161	2,231	Paraguay
Peru	10,857	9,907	10,632	10,958	11,298	11,650	12,012	12,385	12,772	Perú
Surinam	308	321	345	274	283	292	301	311	321	Surinam
Venezuela	7,634	7,612	7,872	8,630	8,940	9,240	9,570	9,910	10,260	Venezuela

TABLE NO. 52
TOTAL POPULATION (1,000) 1960-1968 1/

<u>Continent</u>	<u>1960</u>	<u>1961</u>	<u>1962</u>	<u>1963</u>	<u>1964</u>	<u>1965</u>	<u>1966</u>	<u>1967</u>	<u>1968</u>	<u>Continente</u>
Africa	143,229	137,380	141,061	187,703	186,254	191,061	196,535	200,936	206,546	Africa
Asia	644,087	634,415	658,133	699,045	716,819	734,425	753,231	773,063	792,570	Asia
Caribbean and Central America	28,352	29,054	28,242	33,913	34,866	35,939	36,935	37,894	38,730	Caribe y Centro América
Oceania	687	550	654	760	787	814	837	854	878	Oceanía
South America	132,241	135,023	139,119	145,777	149,870	154,072	158,418	152,418	168,360	América del Sur
T o t a l	948,596	936,422	967,209	1067,198	1088,596	1116,311	1145,956	1165,956	1207,084	

1/ Excluding countries for which no information was available.

TABLA NO. 52
POBLACION TOTAL (1.000) 1960-1968 1/

1/ Se excluyen los países de los cuales no se dispone de información.

A F R I C A

FIG. 1 - ANGOLA

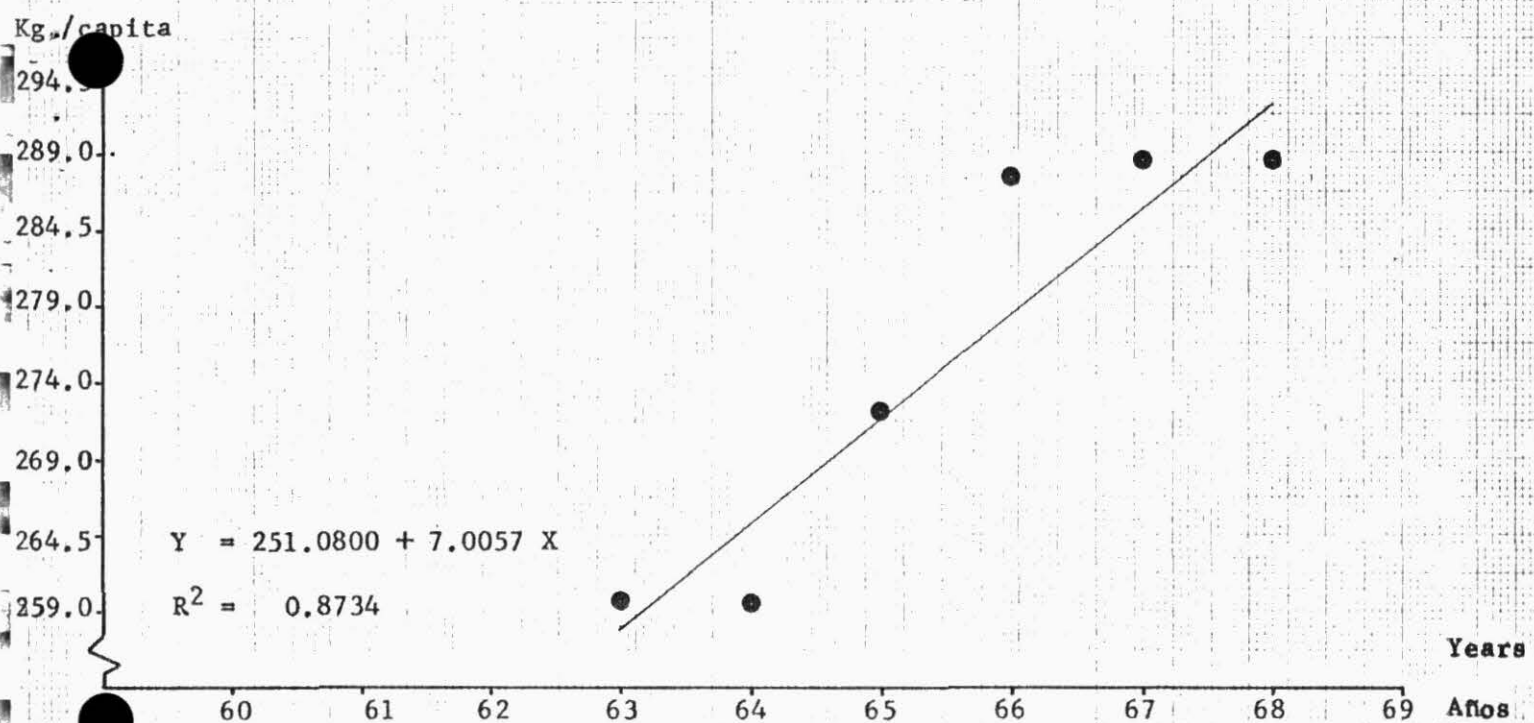


FIG. 2 - BURUNDI

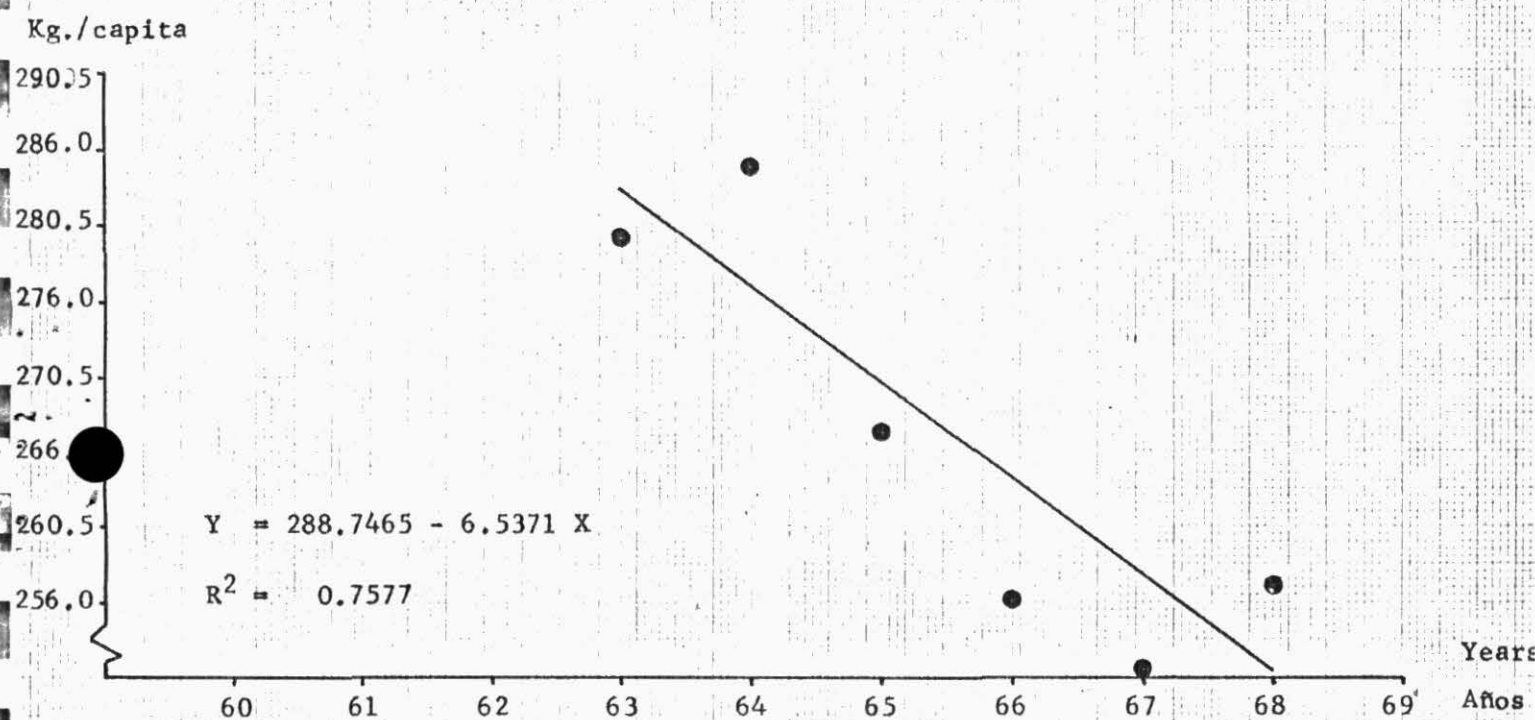


FIG. 3 - CENTRAL AFRICAN REP.
REP. CENTRO AFRICANA

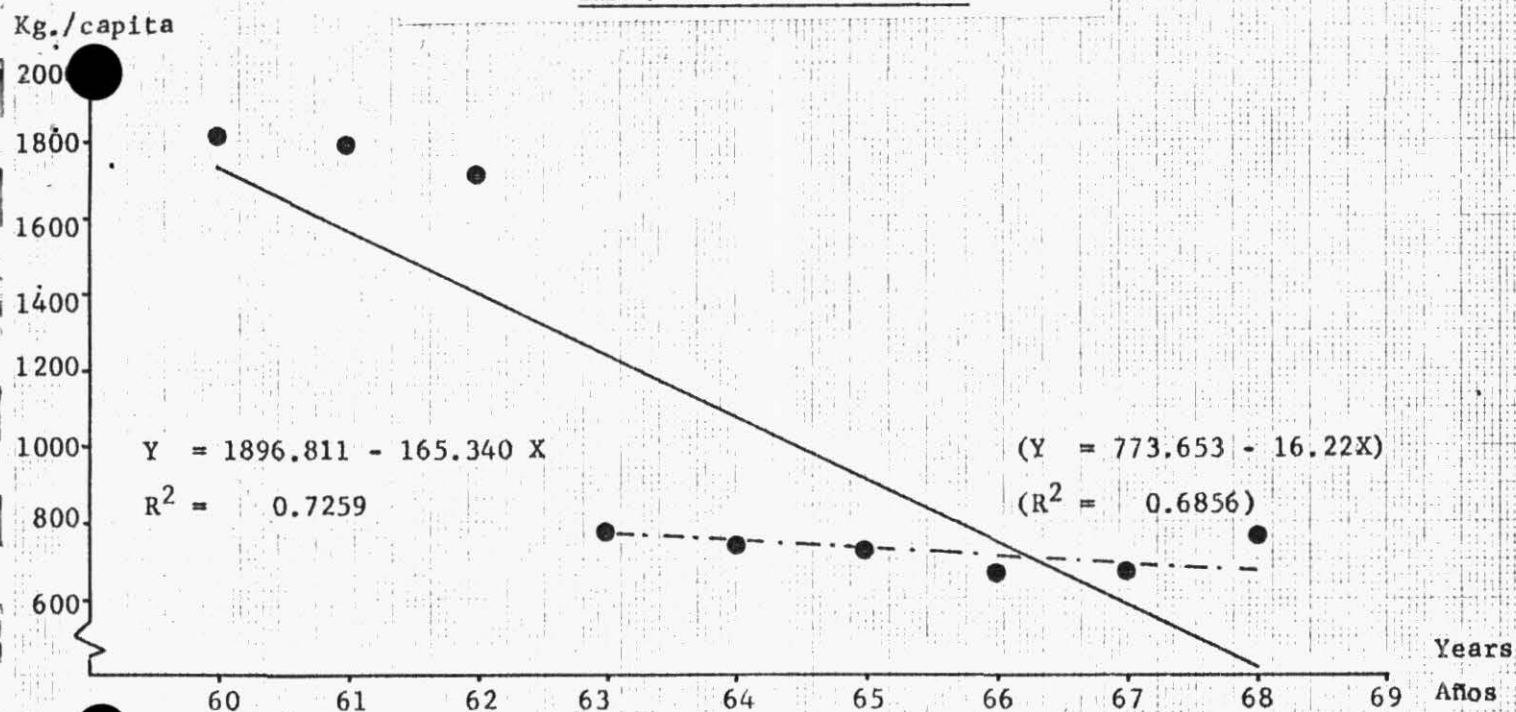


FIG. 4 - COMORO ISLANDS
ISLAS COMORAS

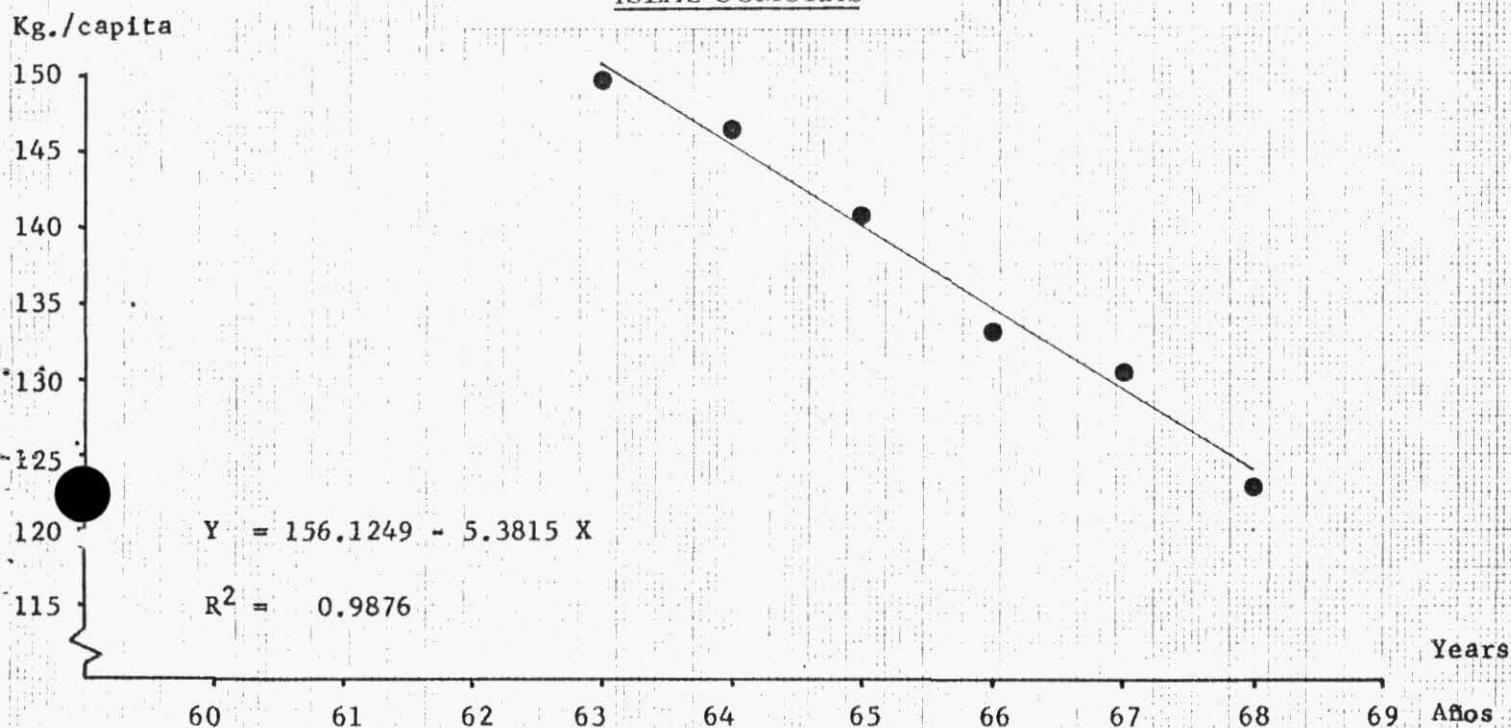


FIG. 5 - CONGO BRAZZAVILLE
REP. DEL CONGO

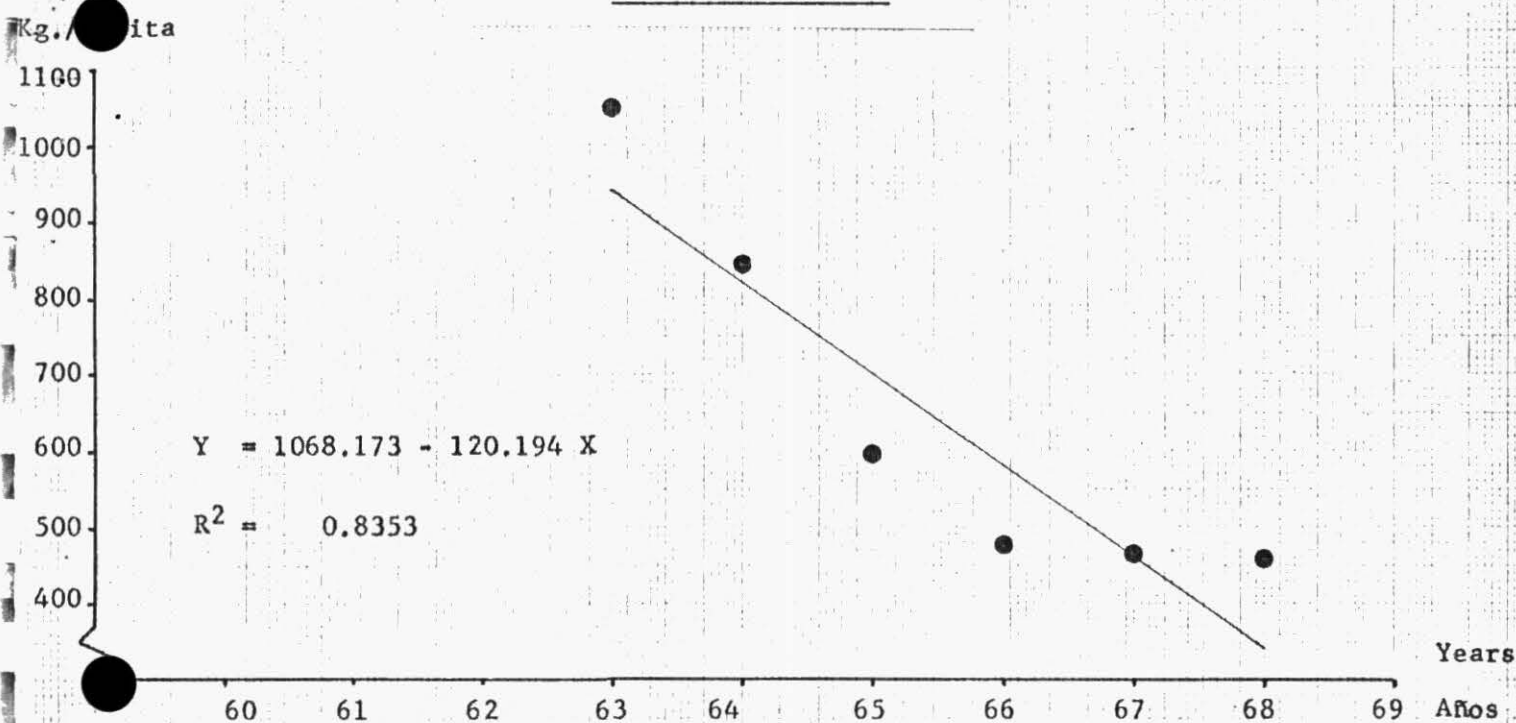


FIG. 6 - CONGO D. REP.
REP. DEM. DEL CONGO

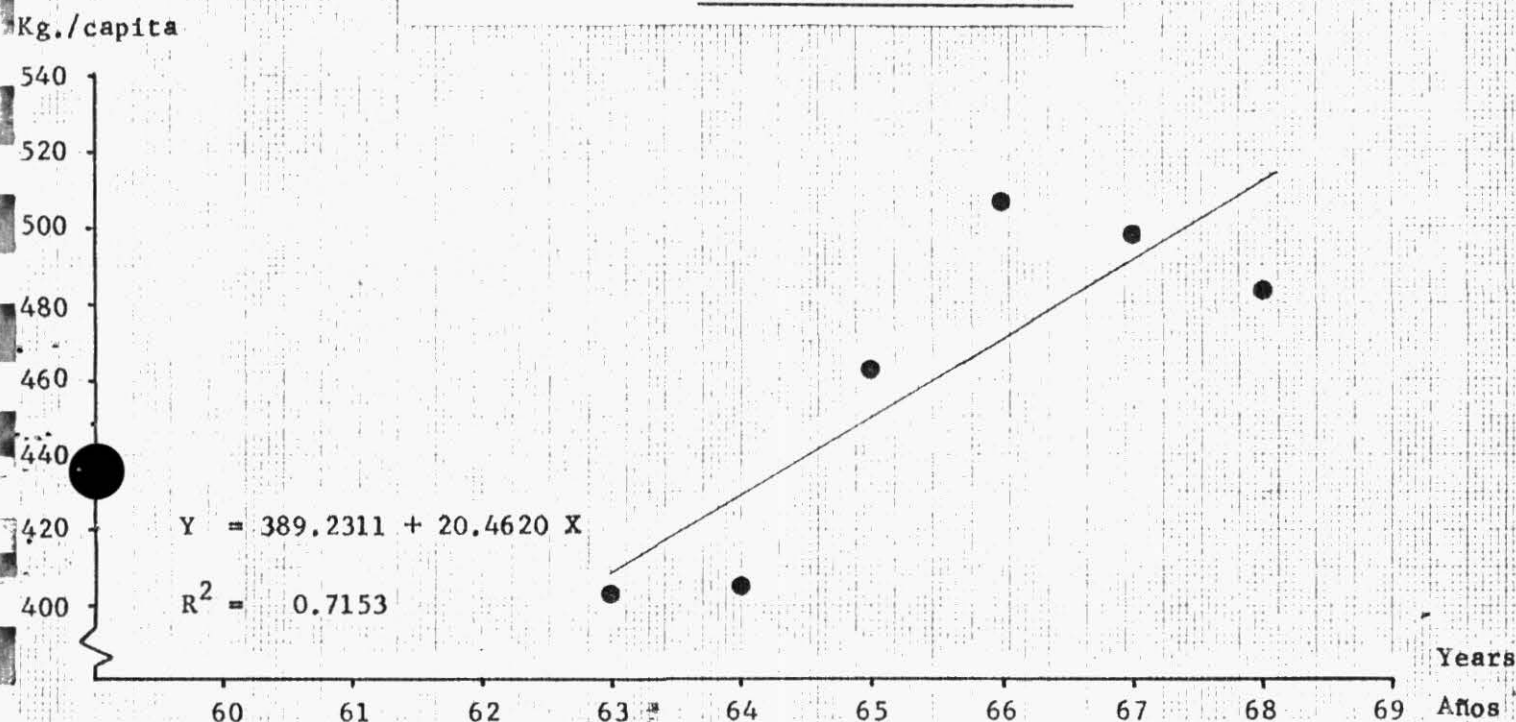


FIG. 7 - CHAD

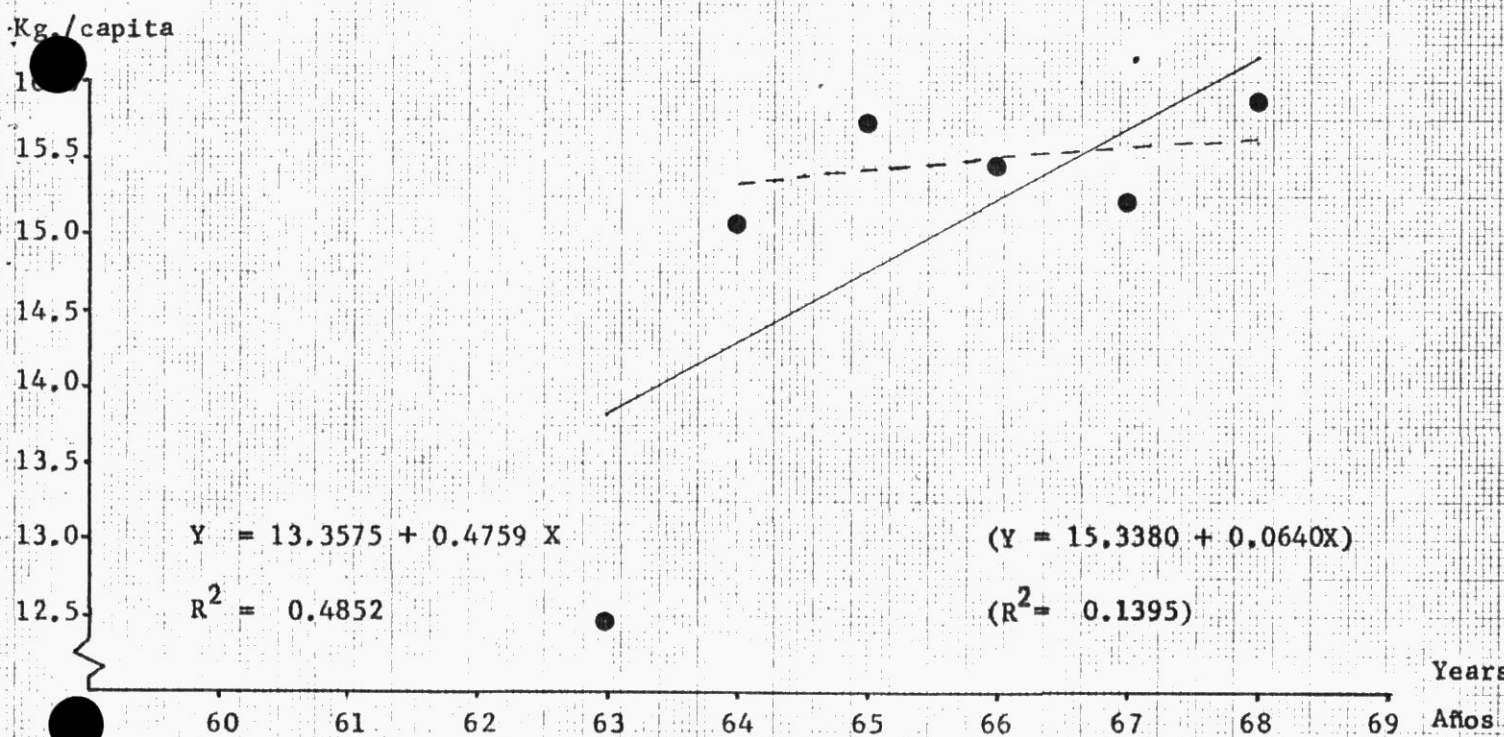


FIG. 8 - DAHOMEY

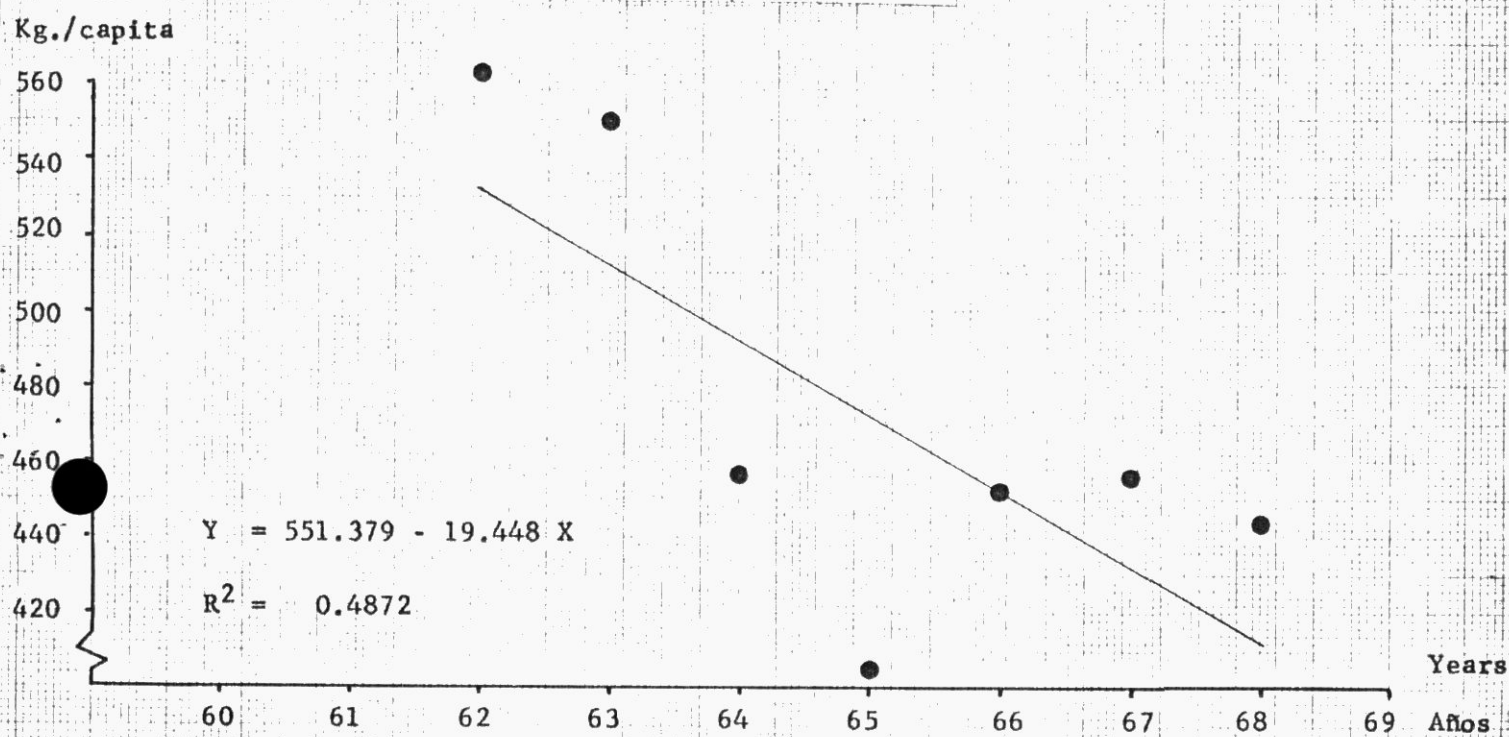


FIG. 9 - EAST & WEST CAMEROON
CAMERUN ORIENTAL Y OCCIDENTAL

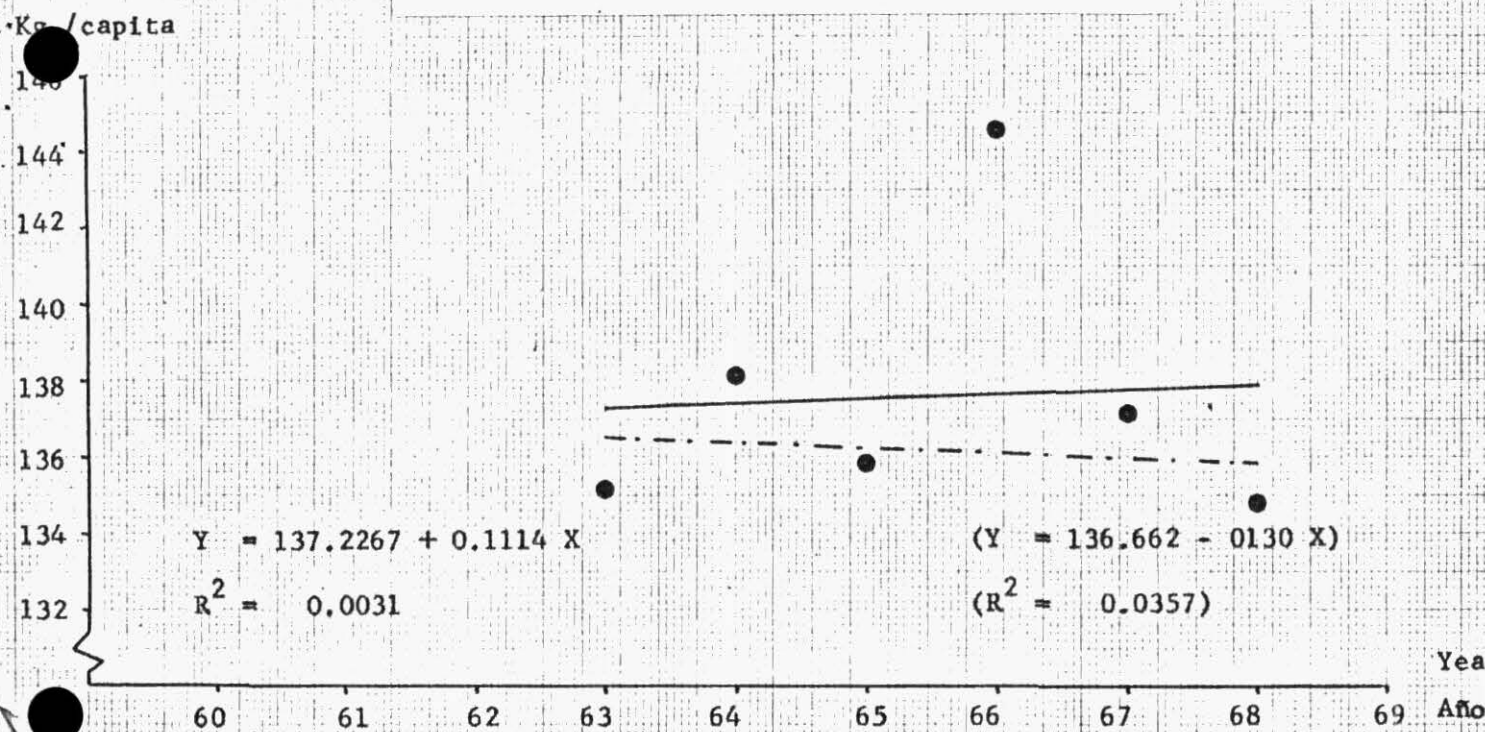


FIG. 10 - EQUAT GUINEA
GUINEA ECUATORIAL

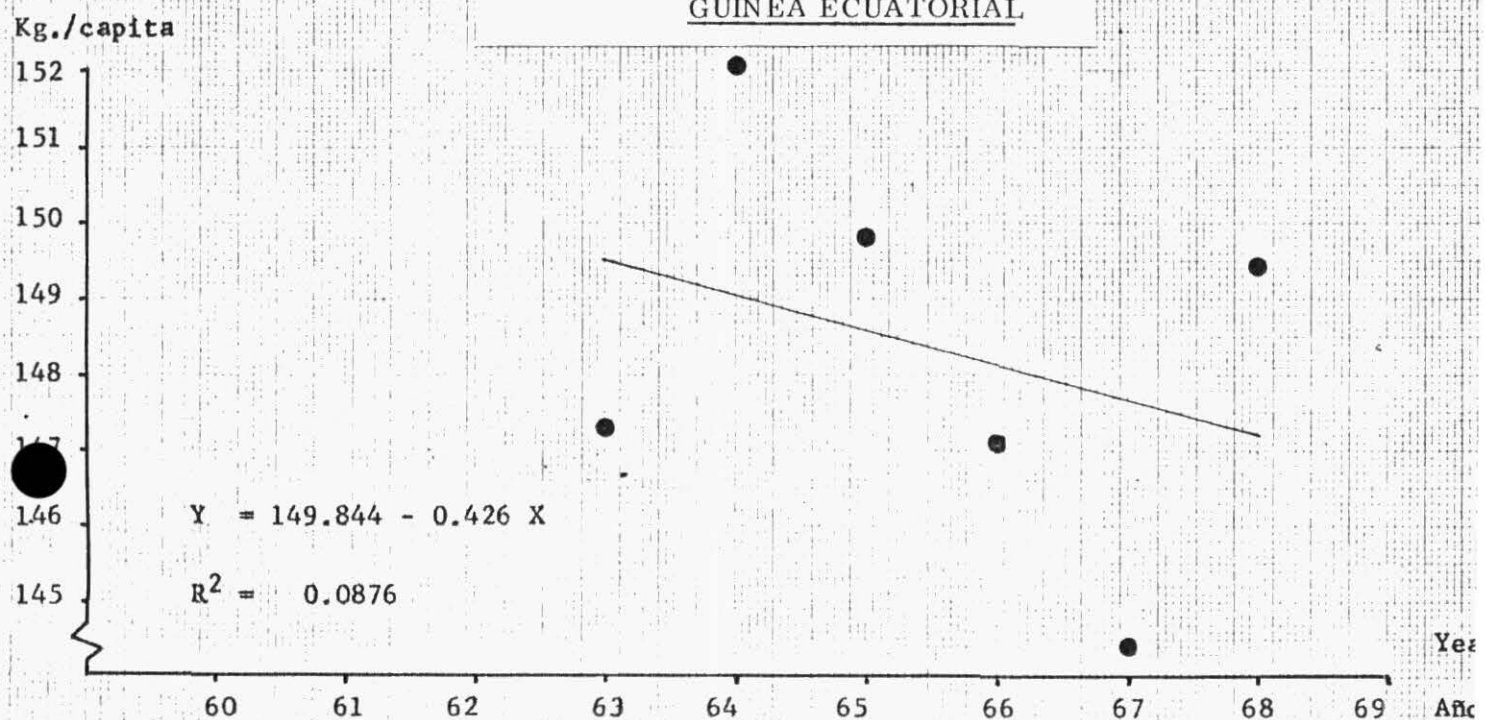


FIG. 11 - GABON

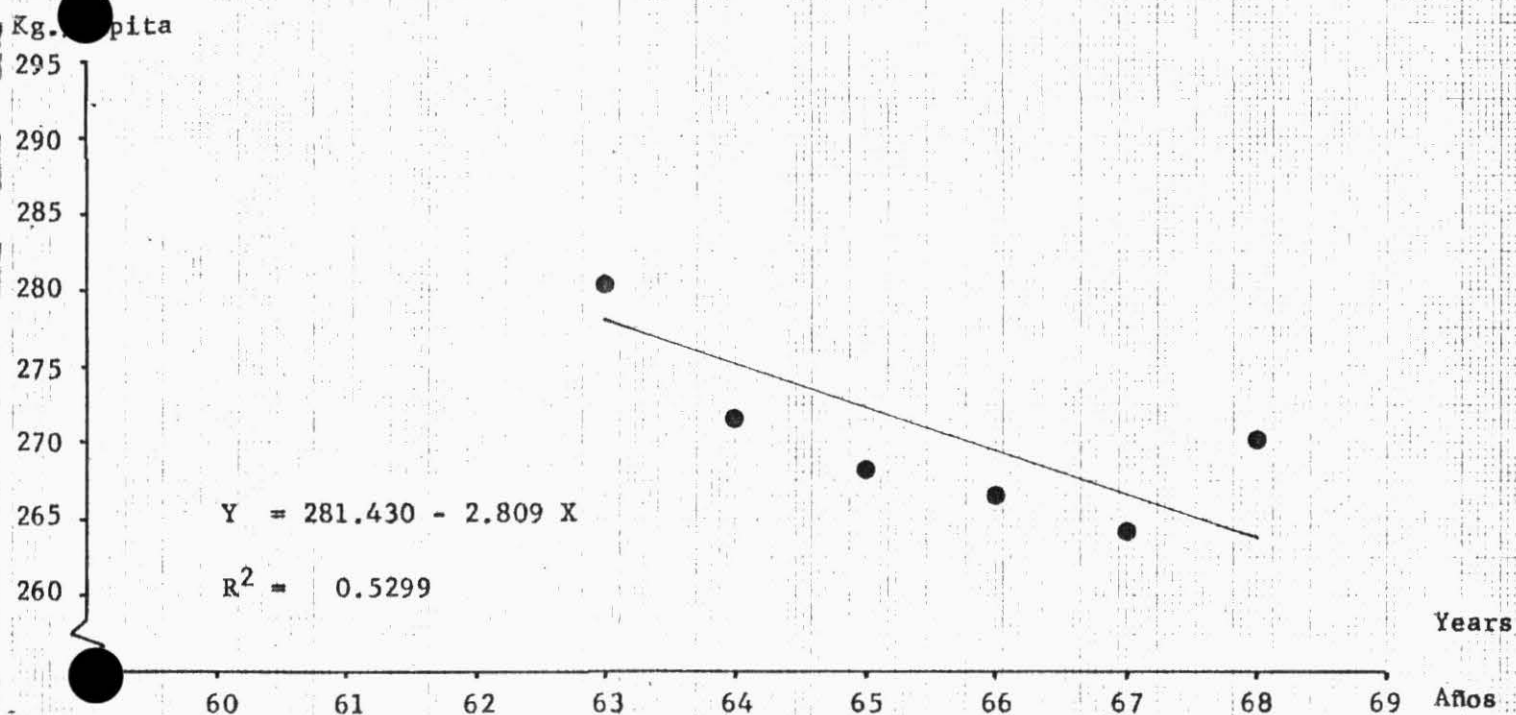


FIG. 12 - GAMBIA

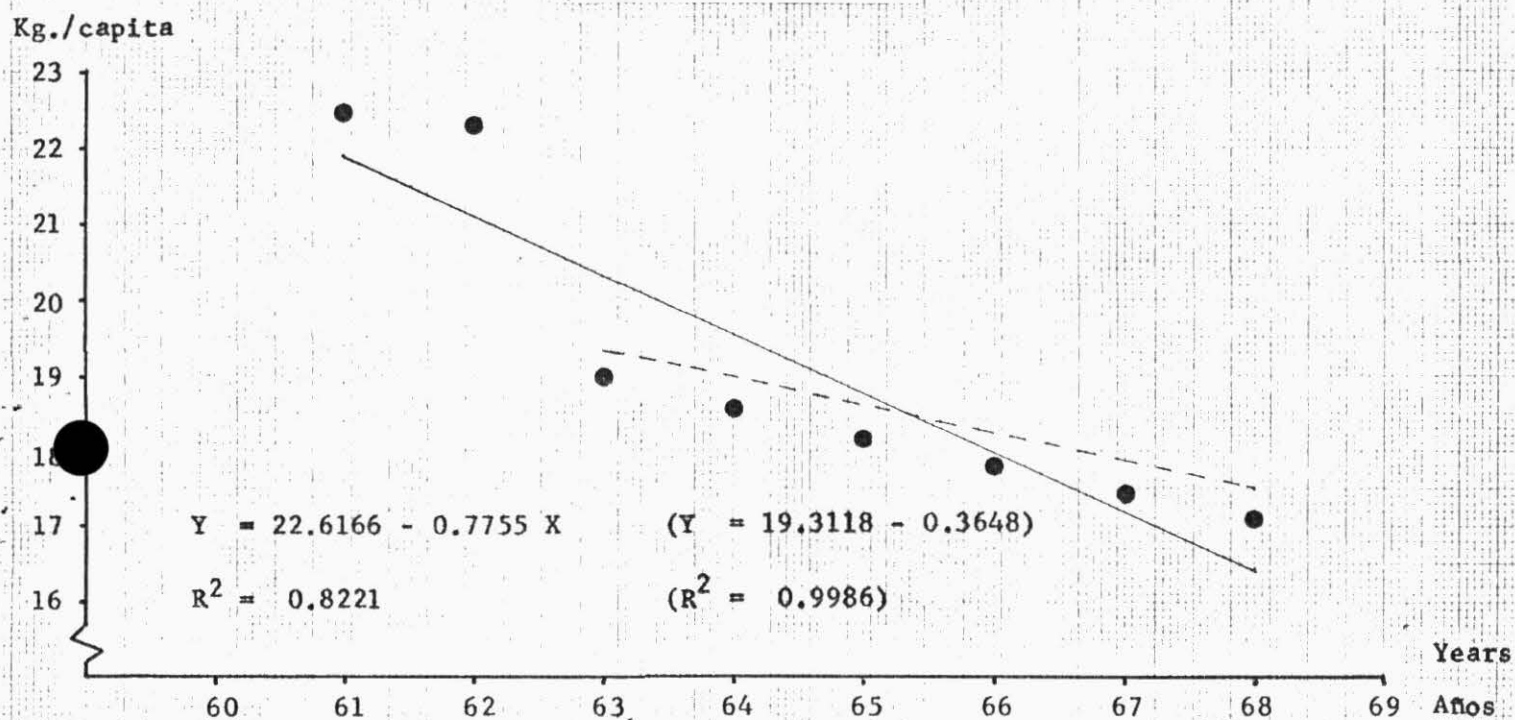


FIG. 13 - GHANA ✓

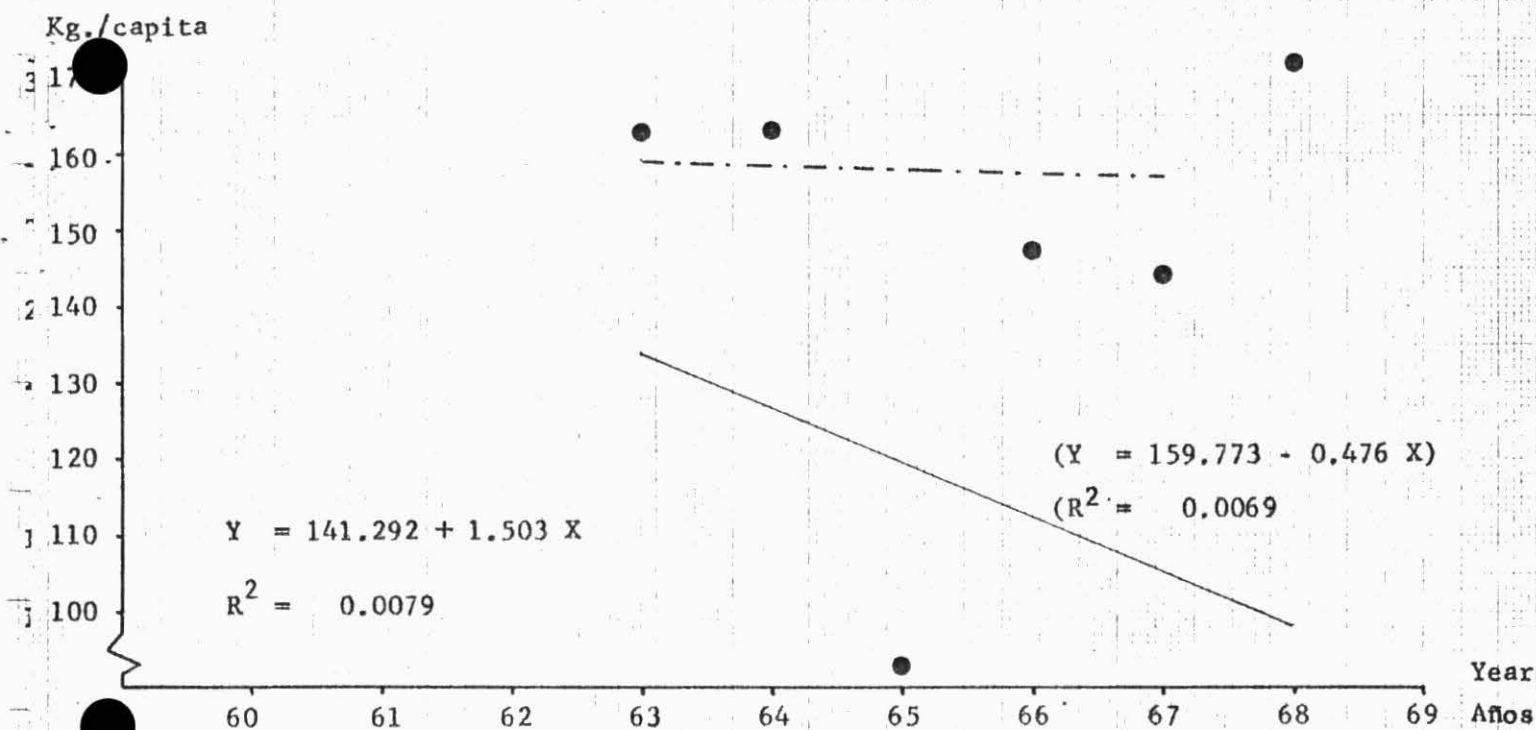


FIG. 14 - GUINEA

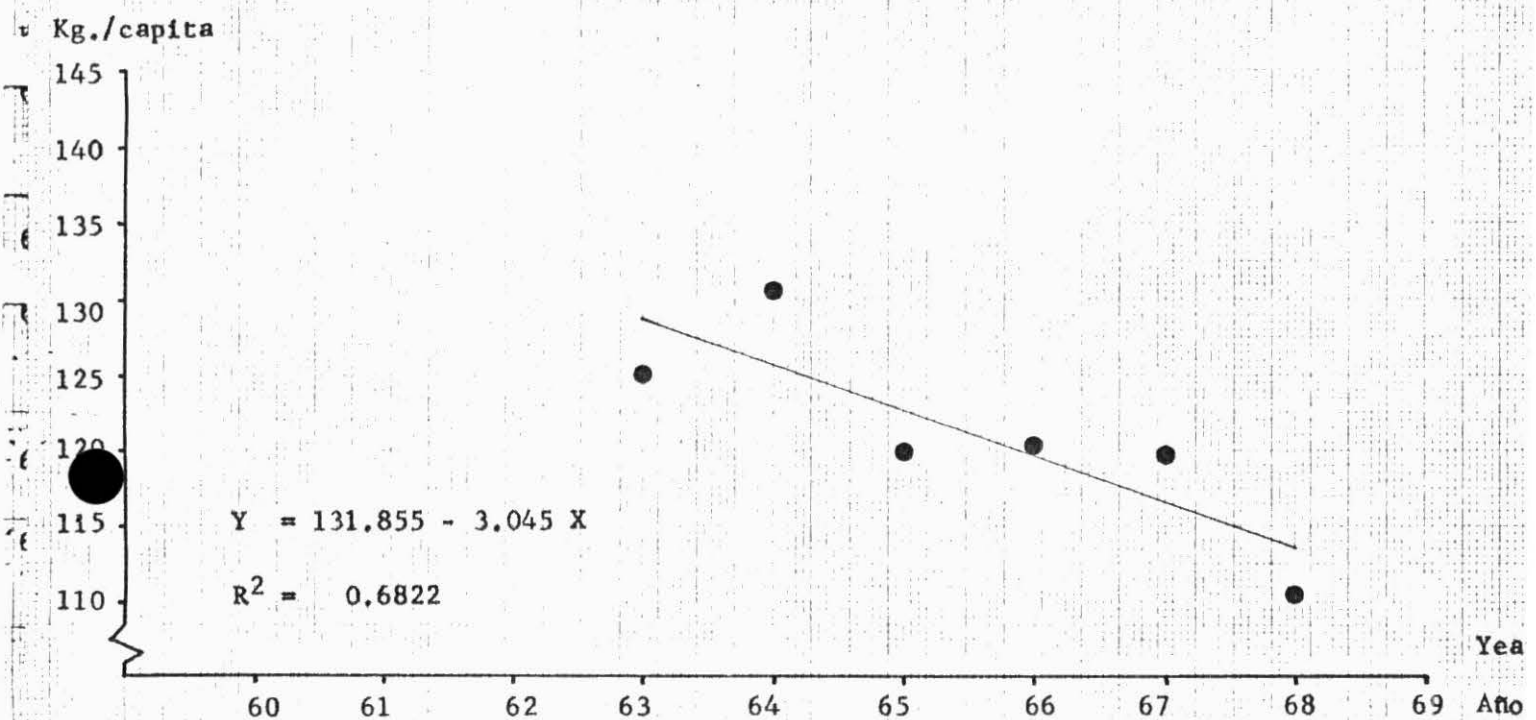


FIG. 17 - LIBERIA

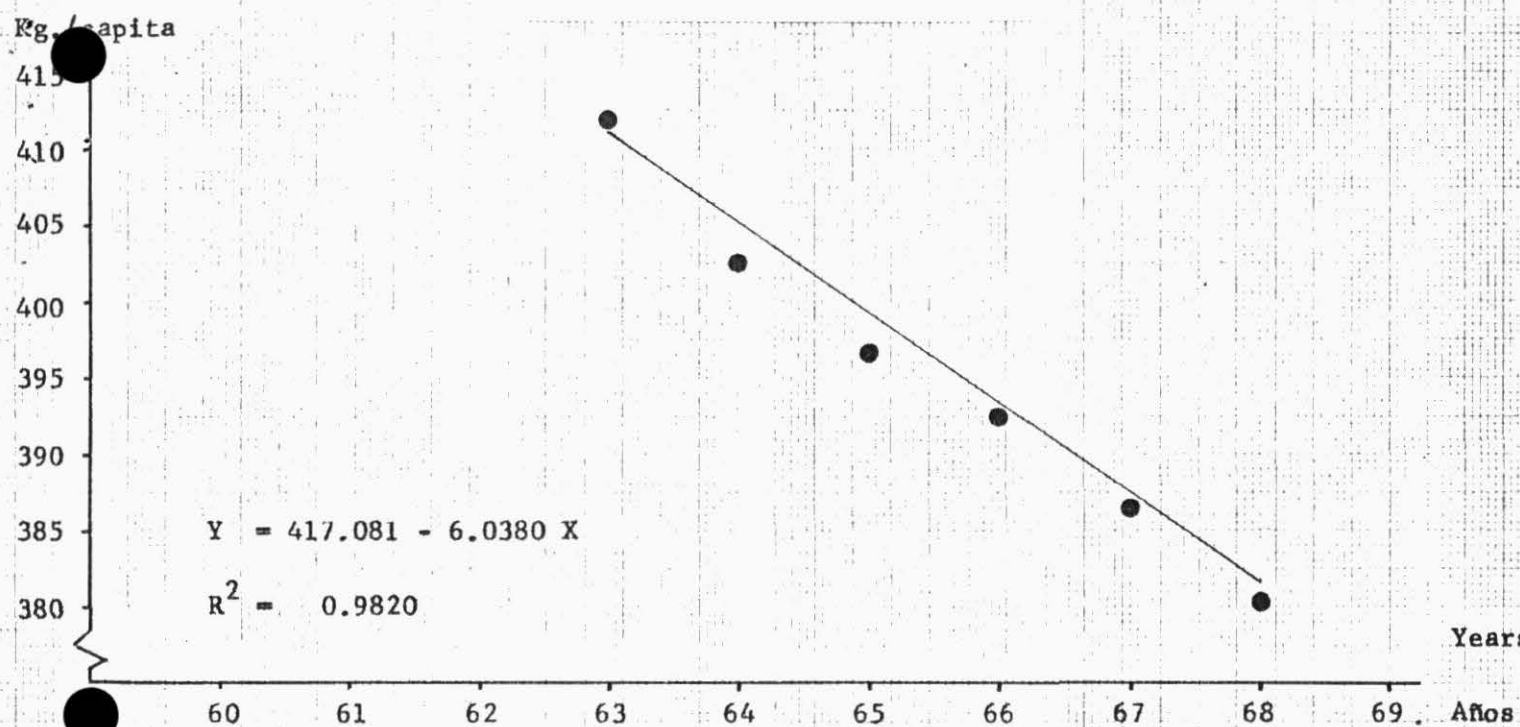


FIG. 18 - MADAGASCAR

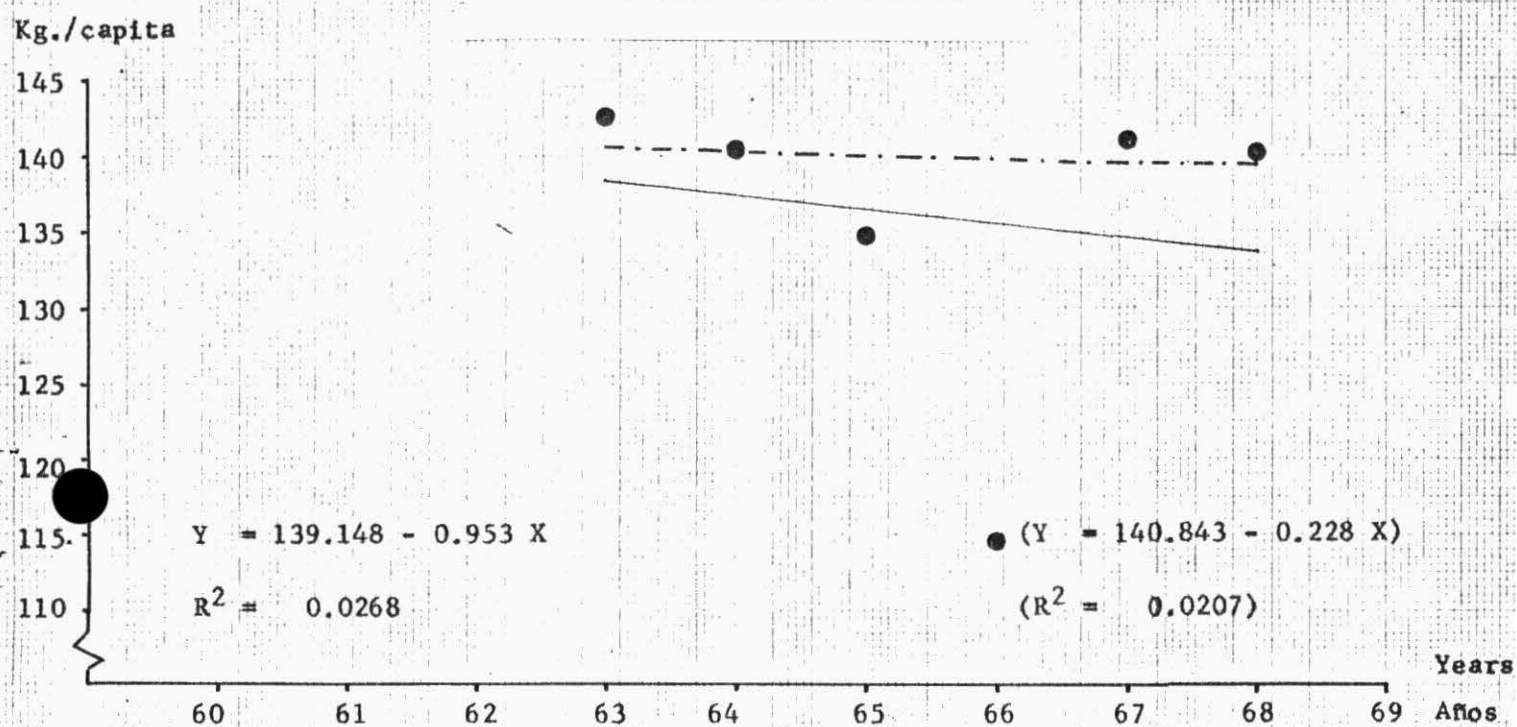


FIG. 19 - MALAWI

Kg/capita

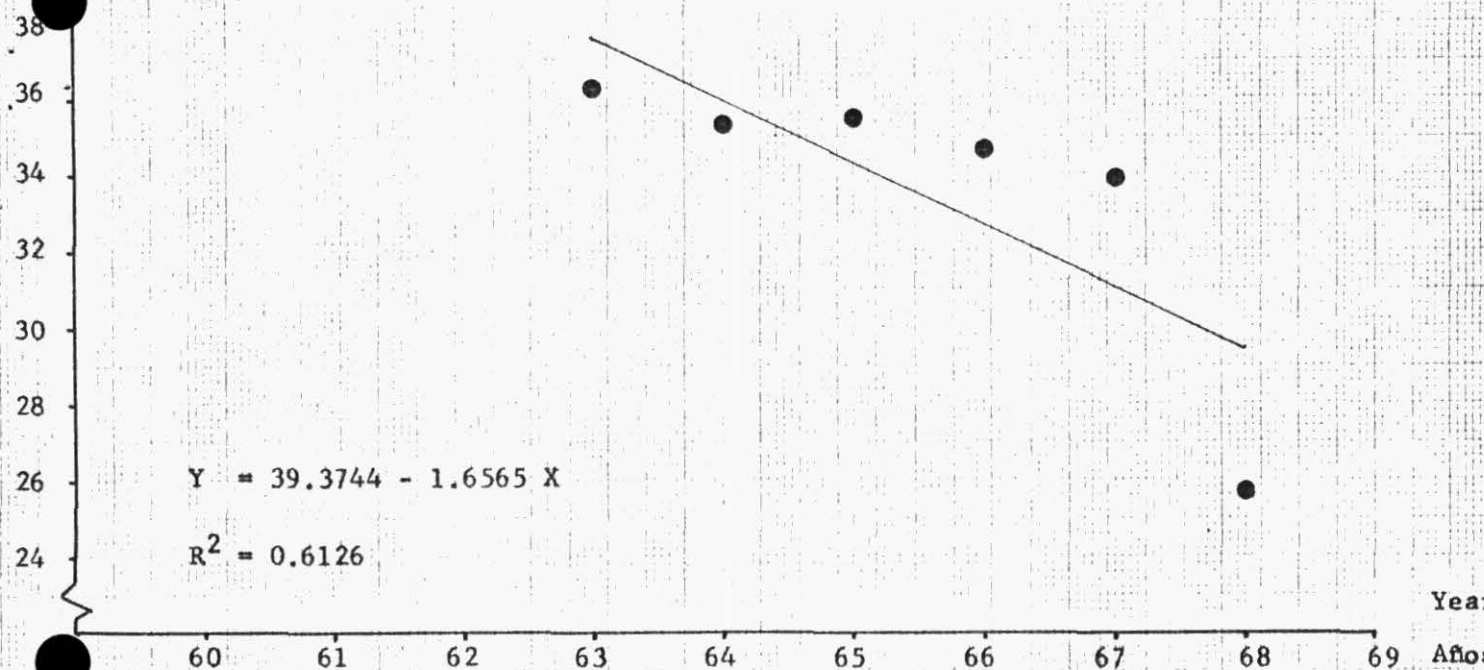


FIG. 20 - MALI

Kg./capita

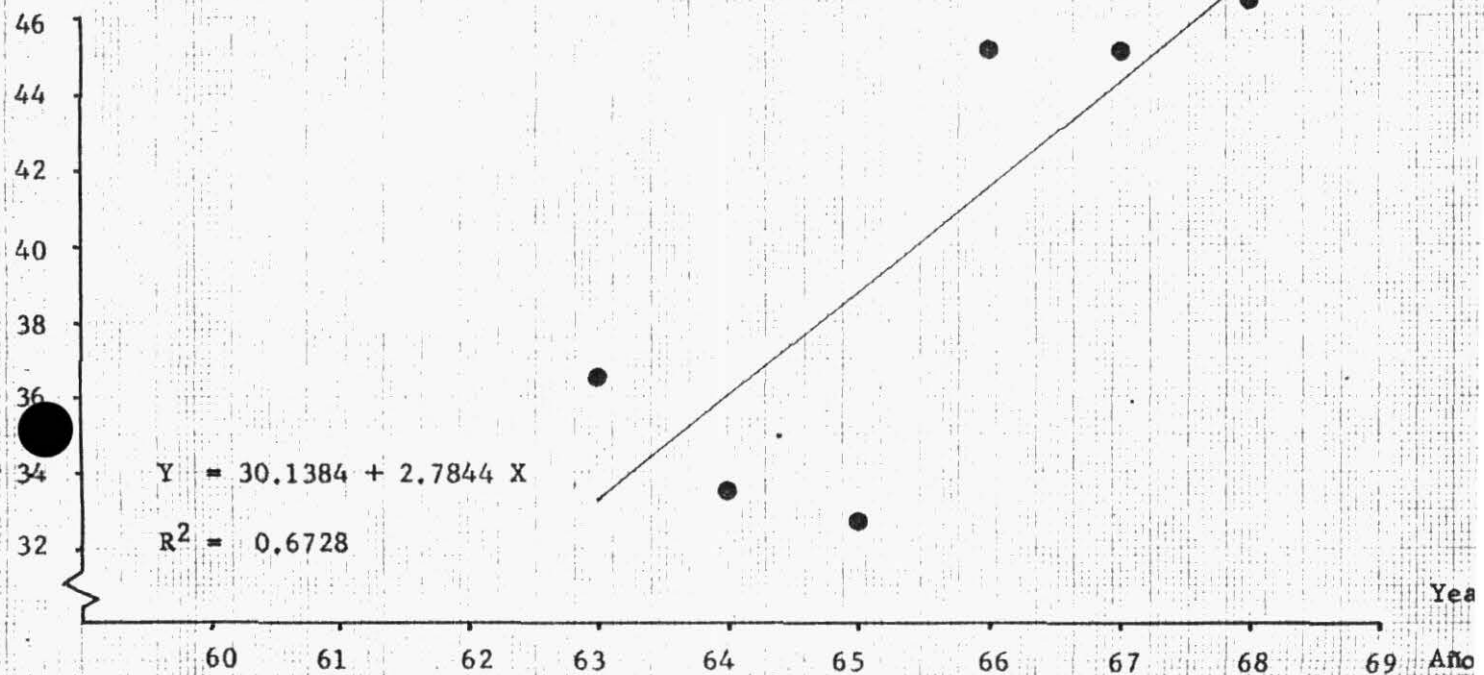


FIG. 21 - MOZAMBIQUE FARMS & VILLAGES
MOZAMBIQUE

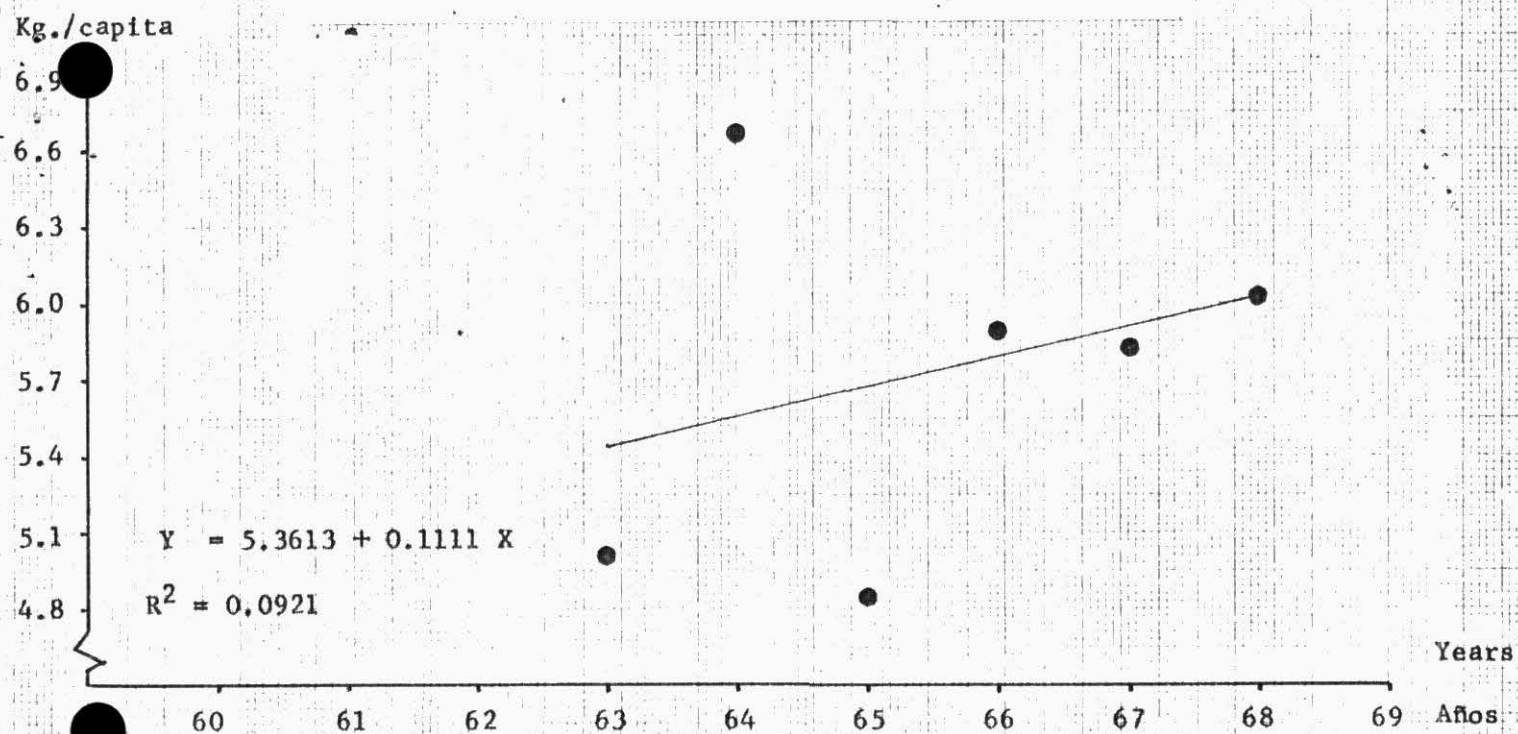


FIG. 22 - NIGER

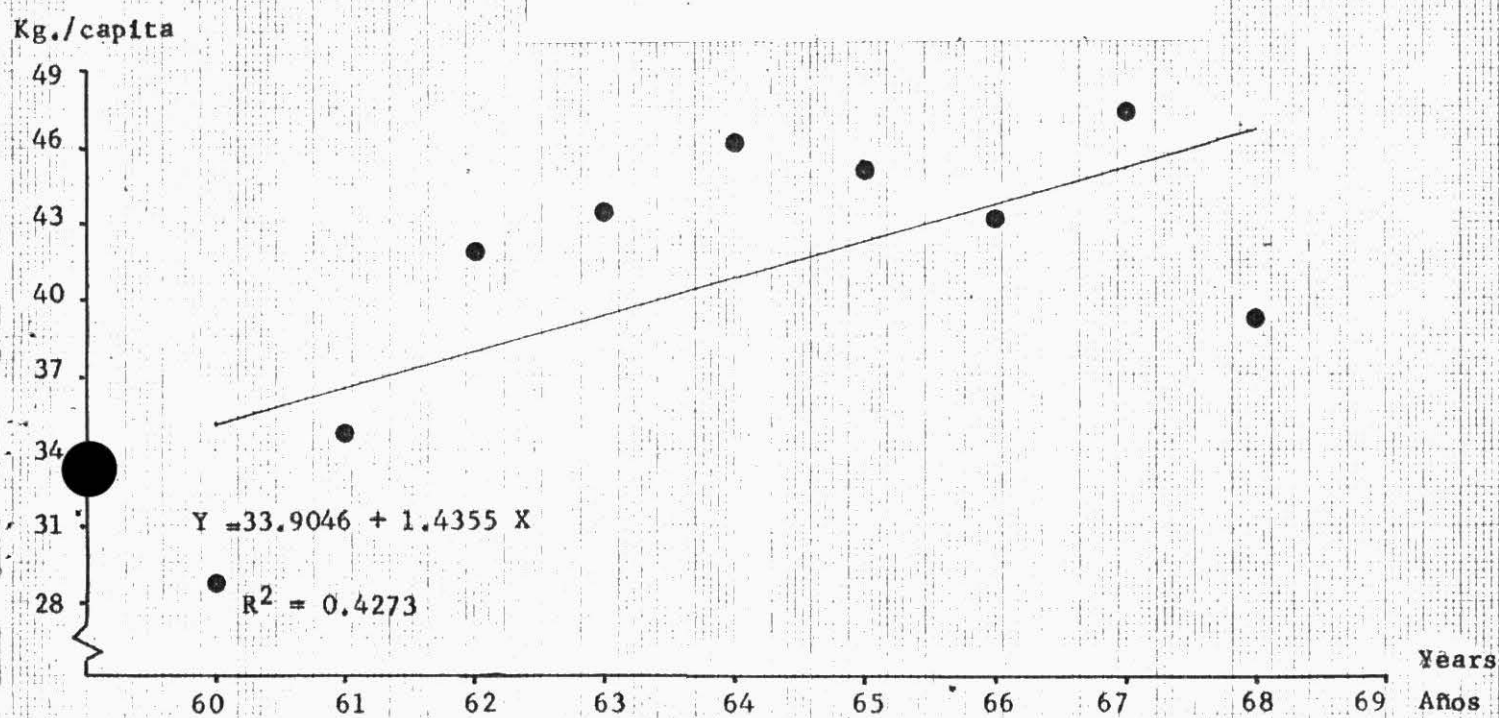


FIG. 23 - NIGERIA

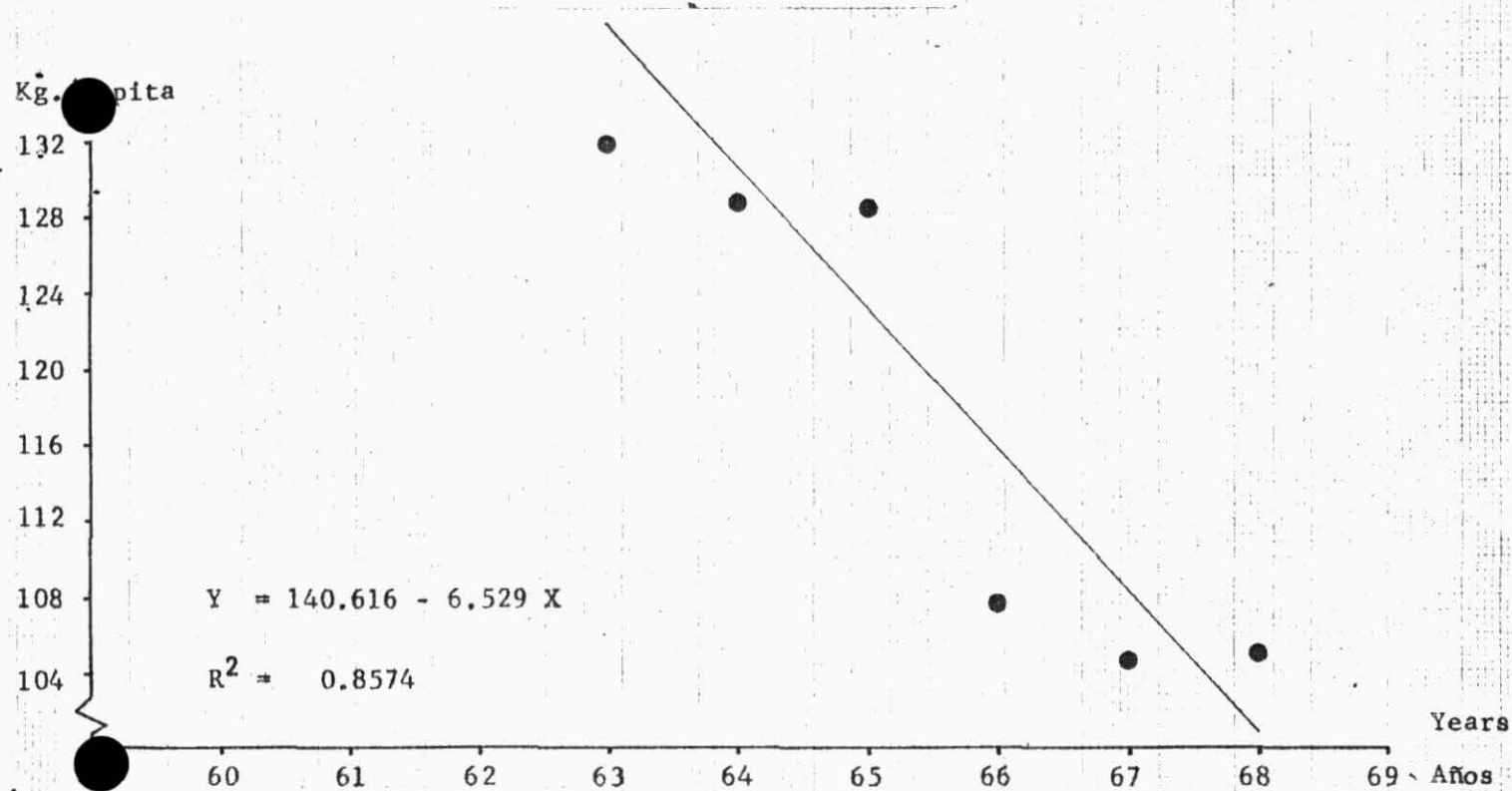
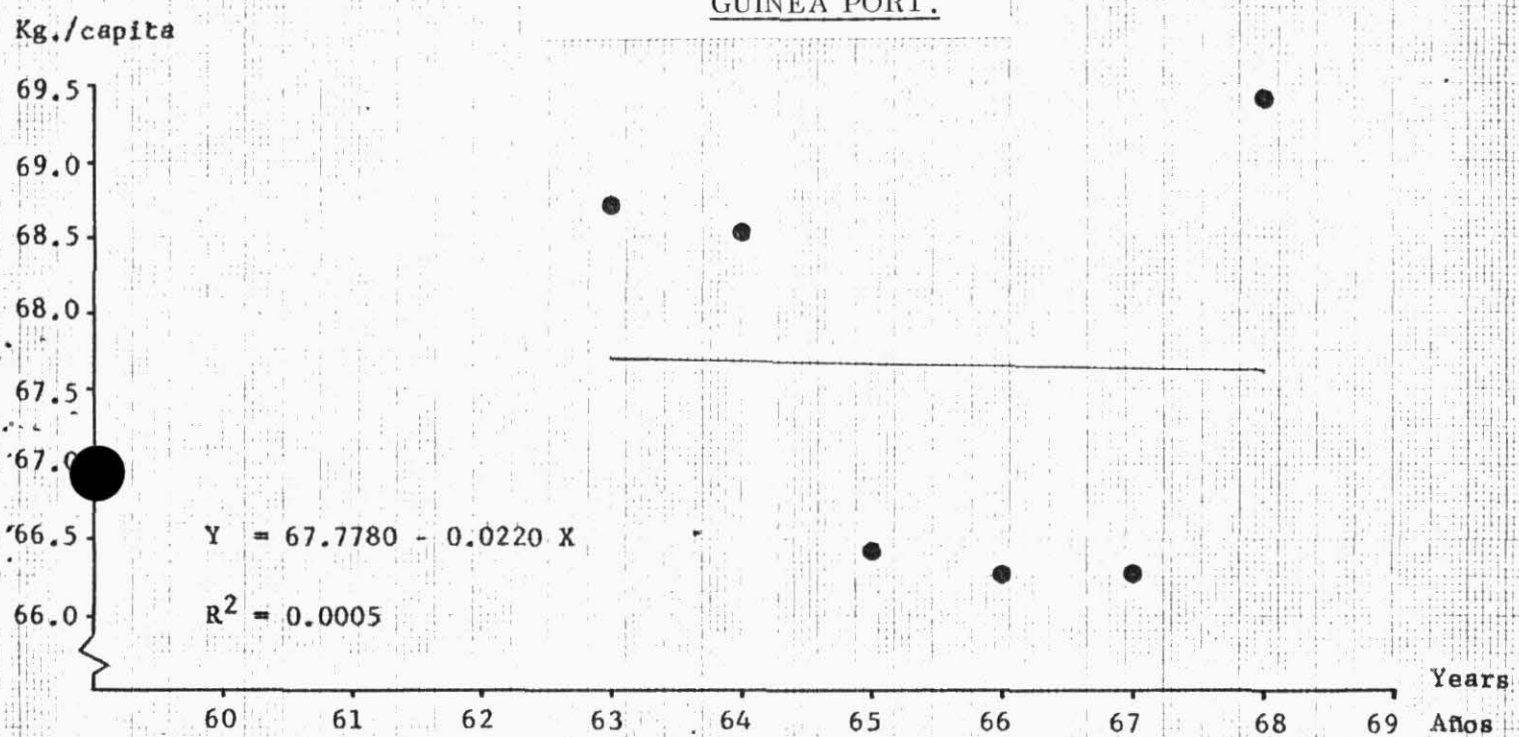
FIG. 24 - PORT. GUINEA
GUINEA PORT.

FIG. 25 - REUNION

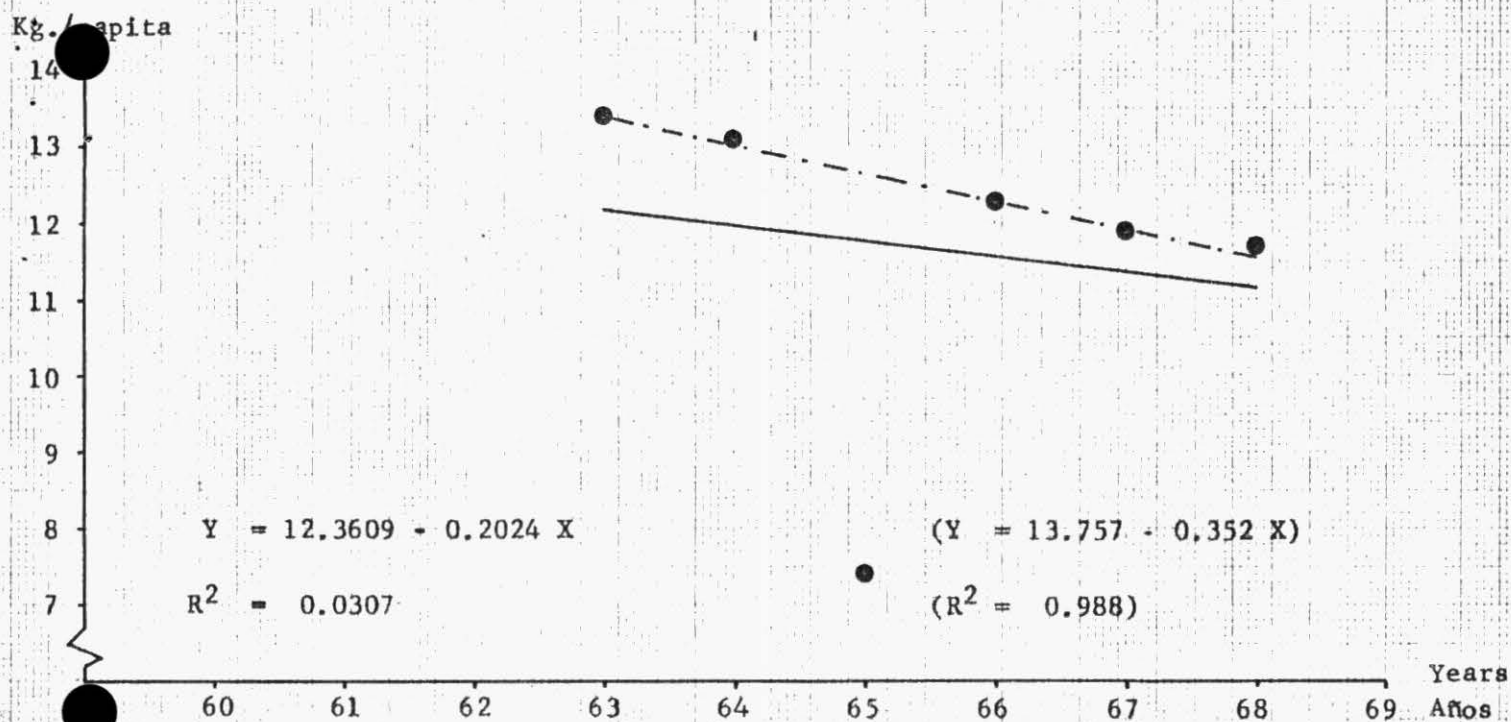
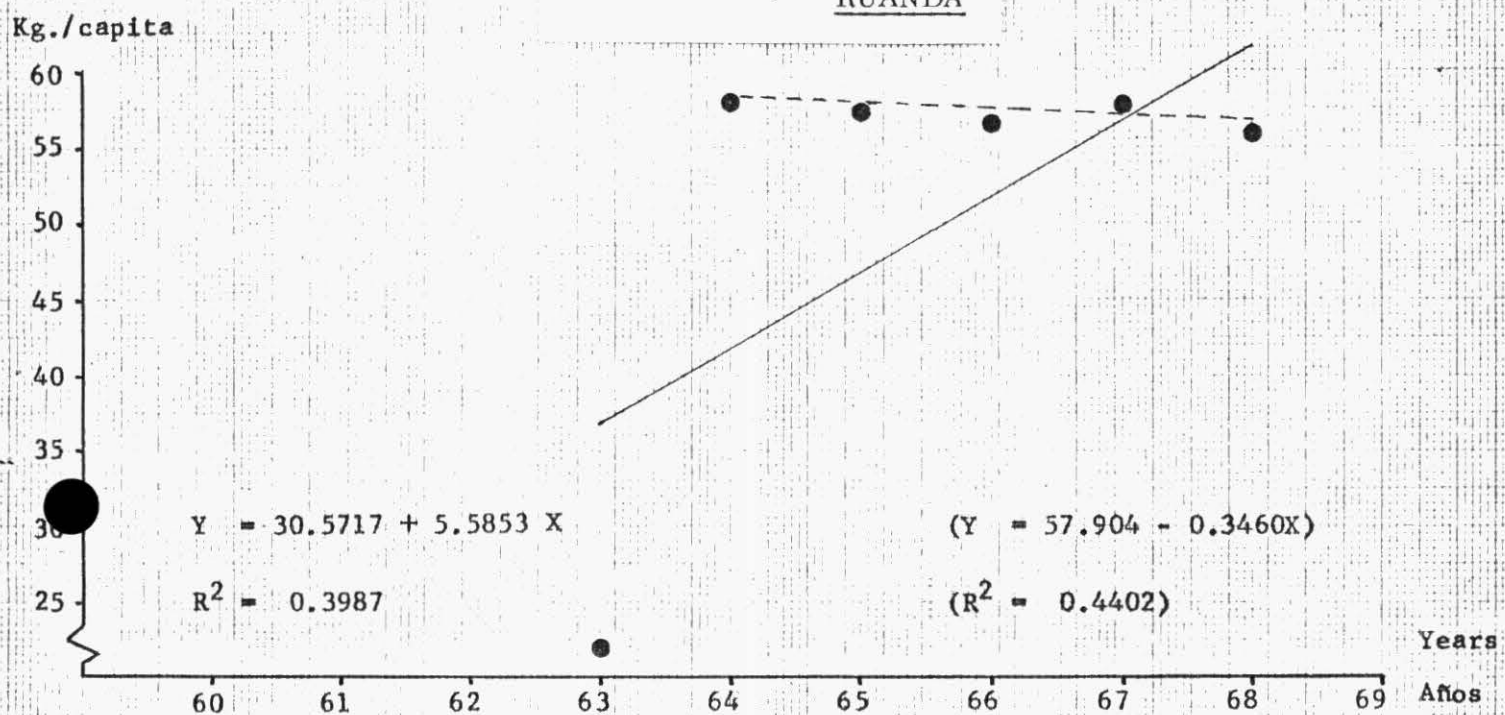
FIG. 26 - RWANDA
RUANDA

FIG. 27 - SAO TOME ep.
SANTO TOME Y PRINCIPE

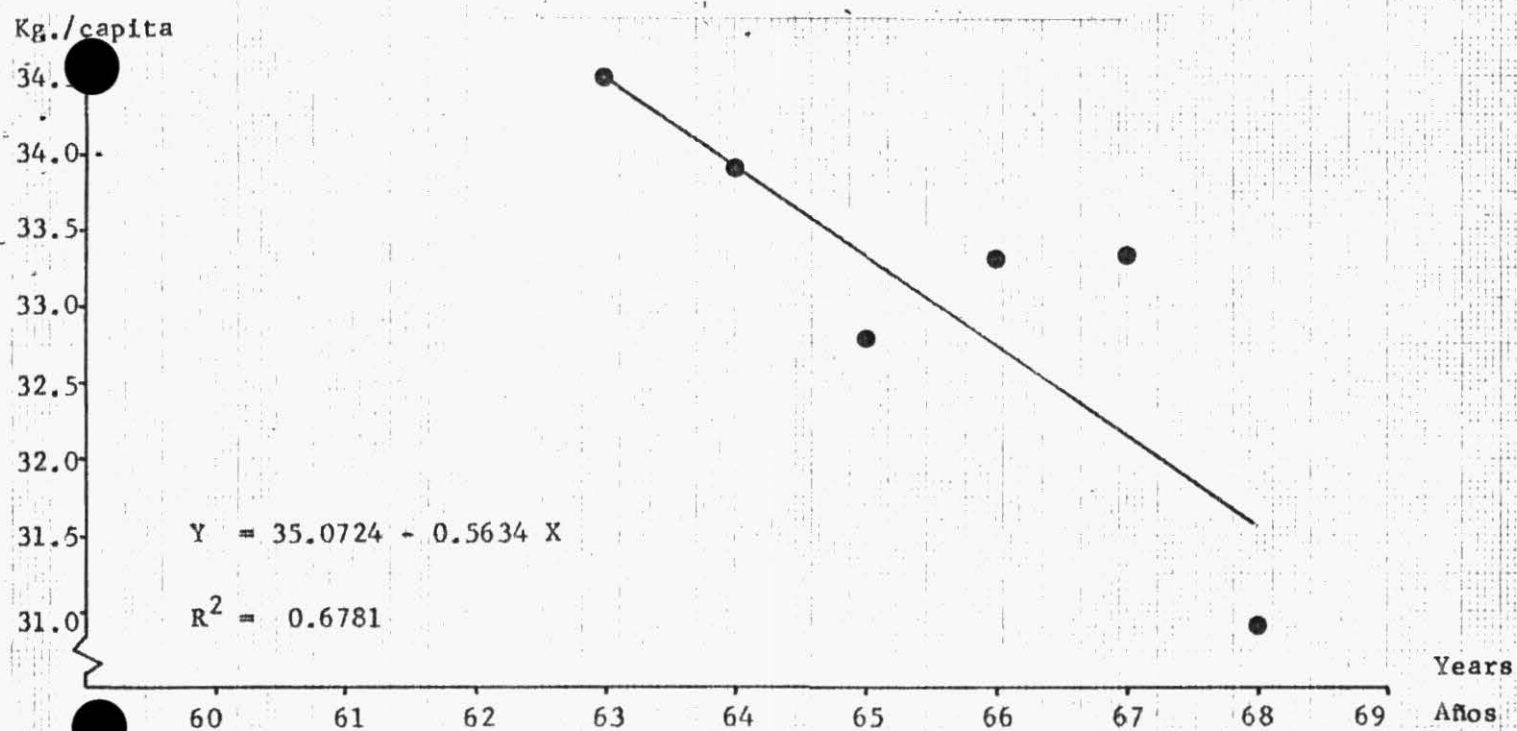


FIG. 28 - SENEGAL

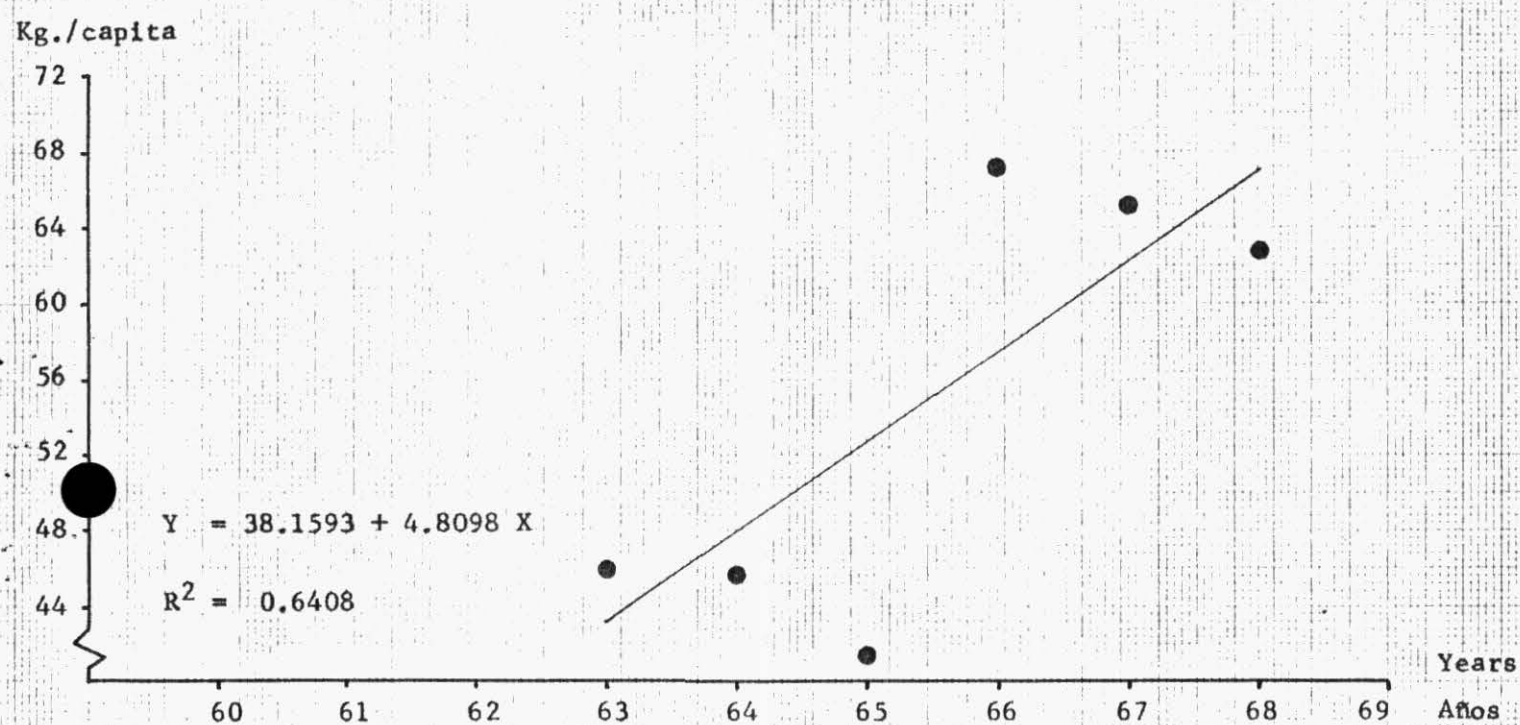


FIG. 29 - SEYCHELLES

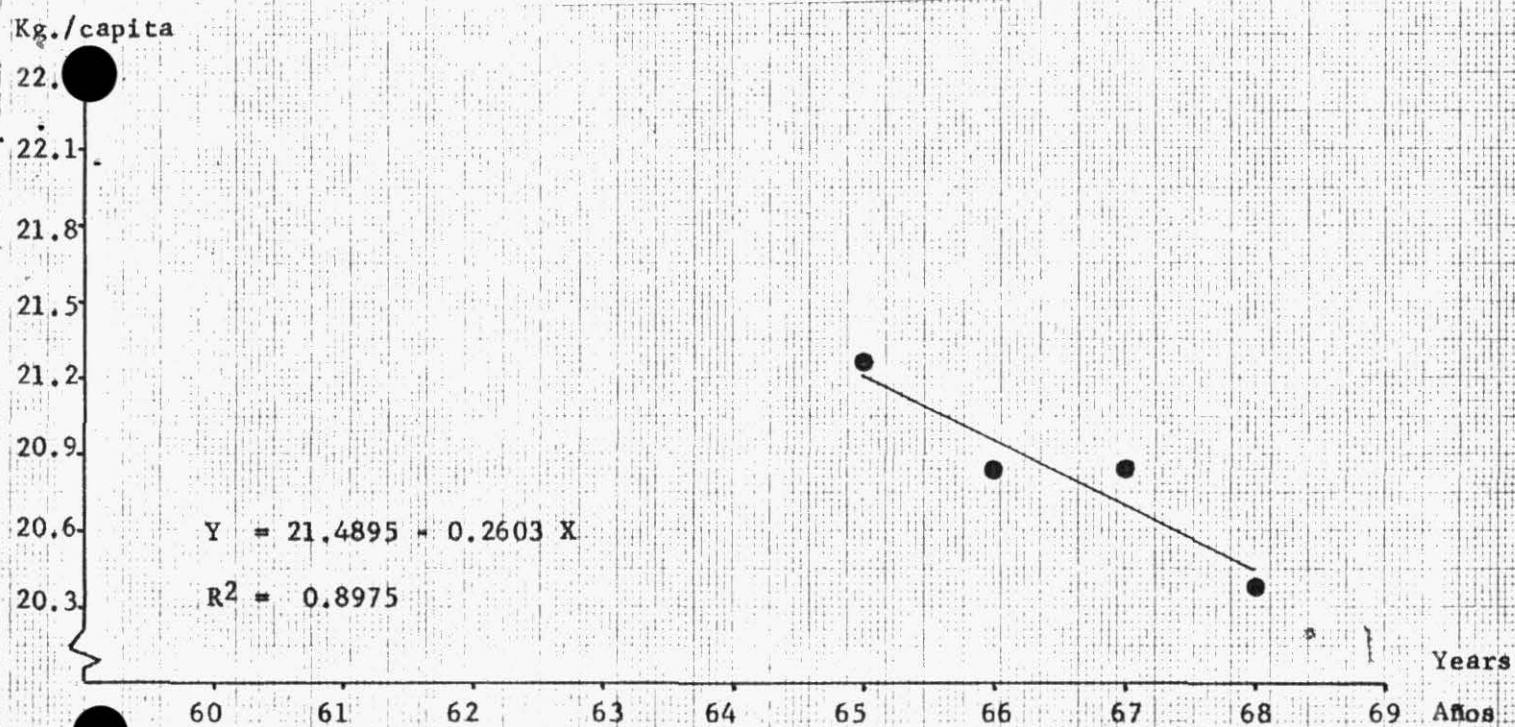
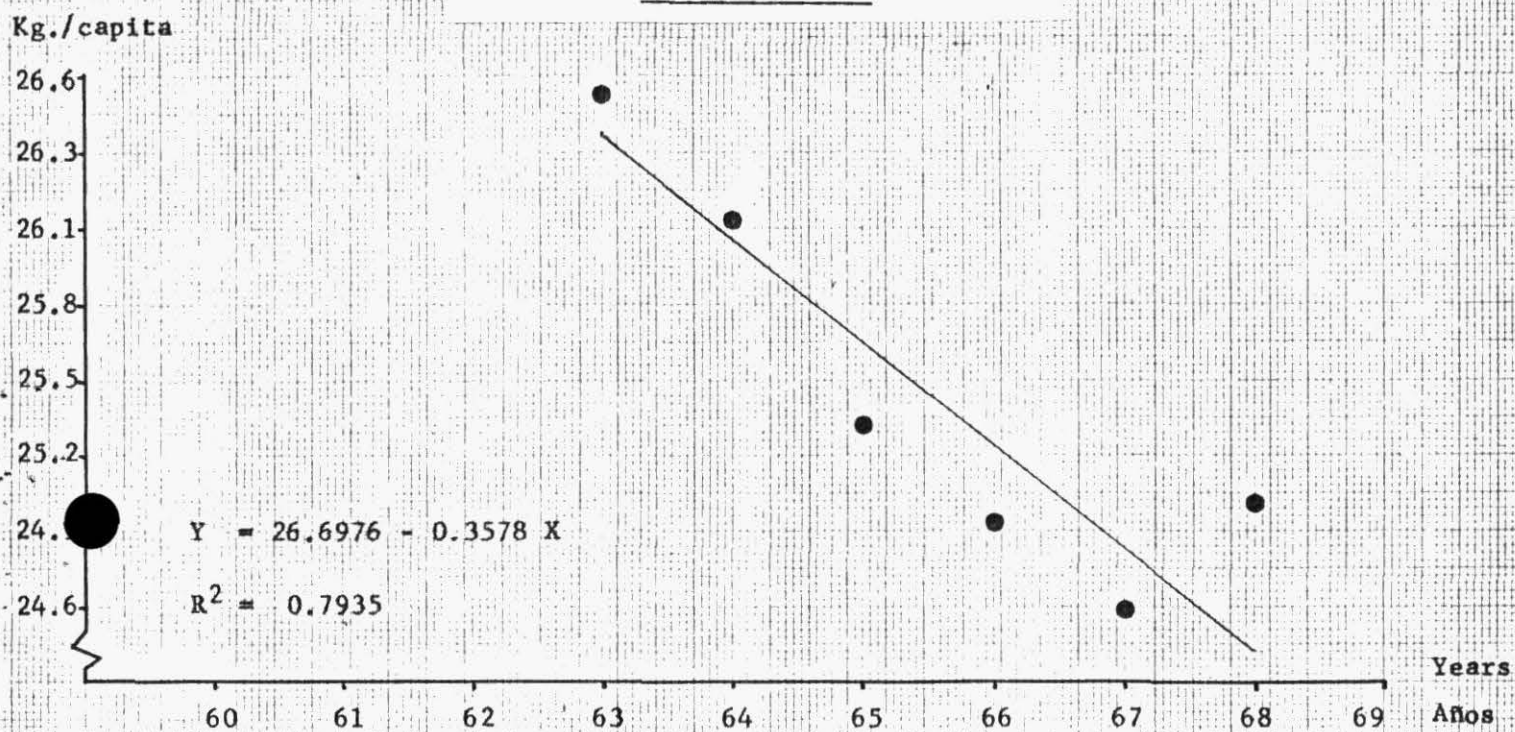
FIG. 30 - SIERRA LEONE
SIERRA LEONA

FIG. 31 - SOMALIA

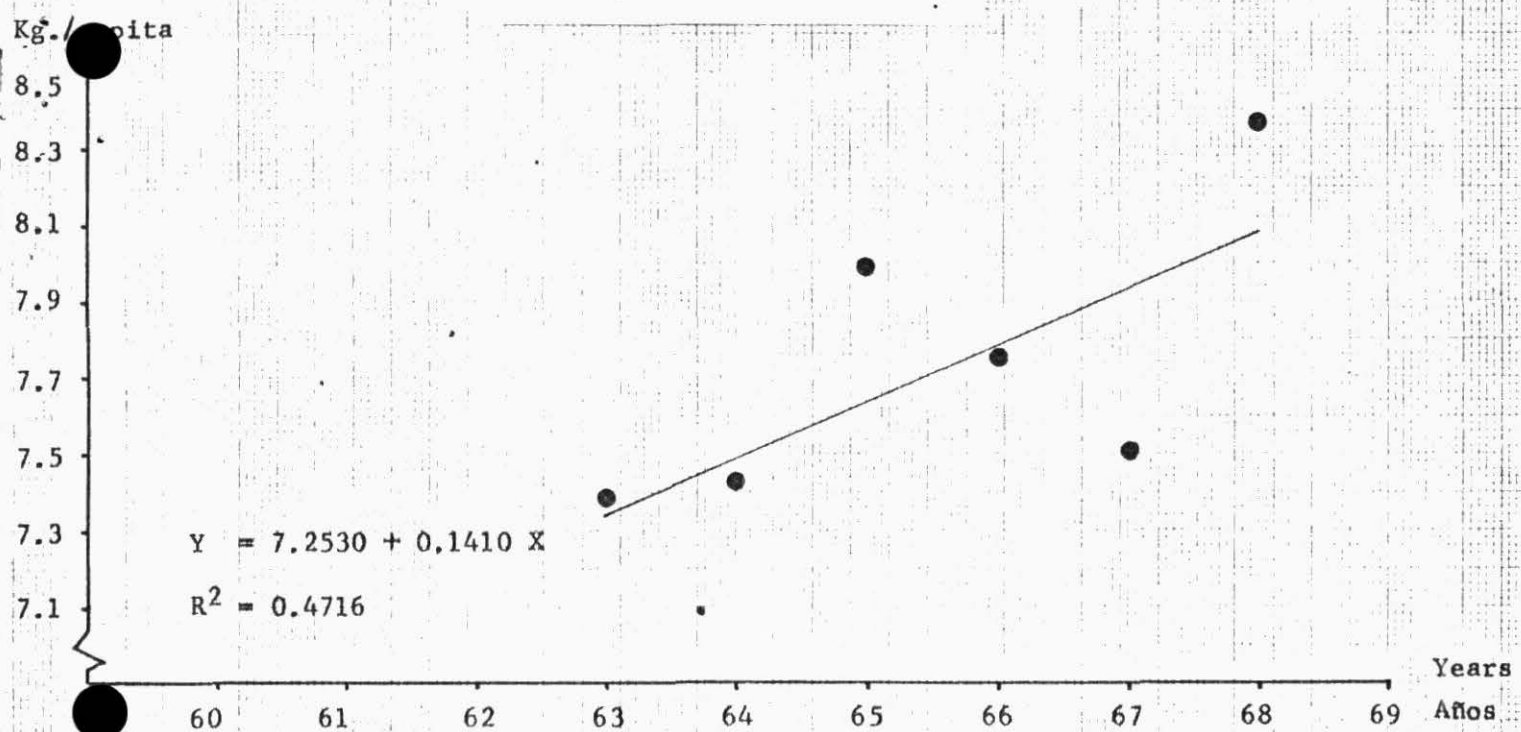


FIG. 32 - SUDAN

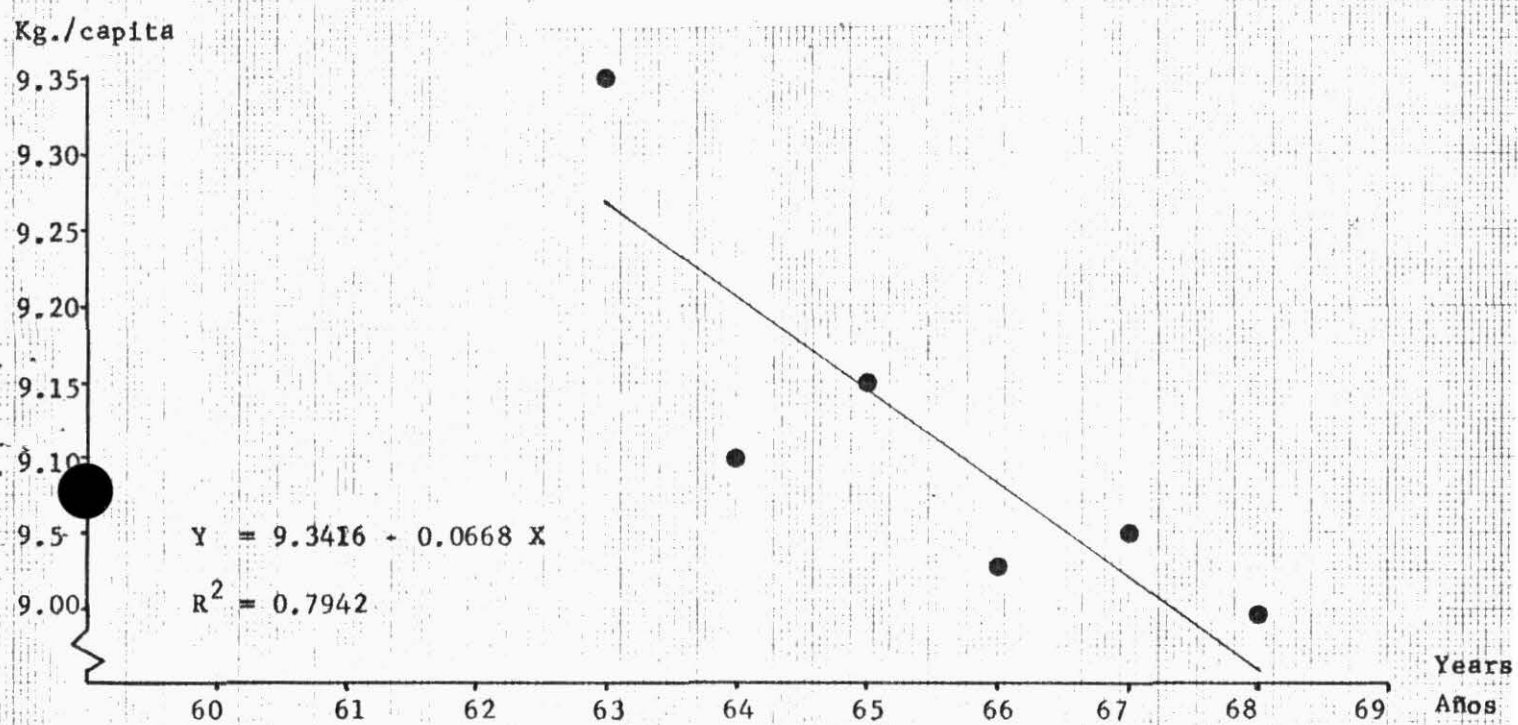


FIG. 33 - TOGO

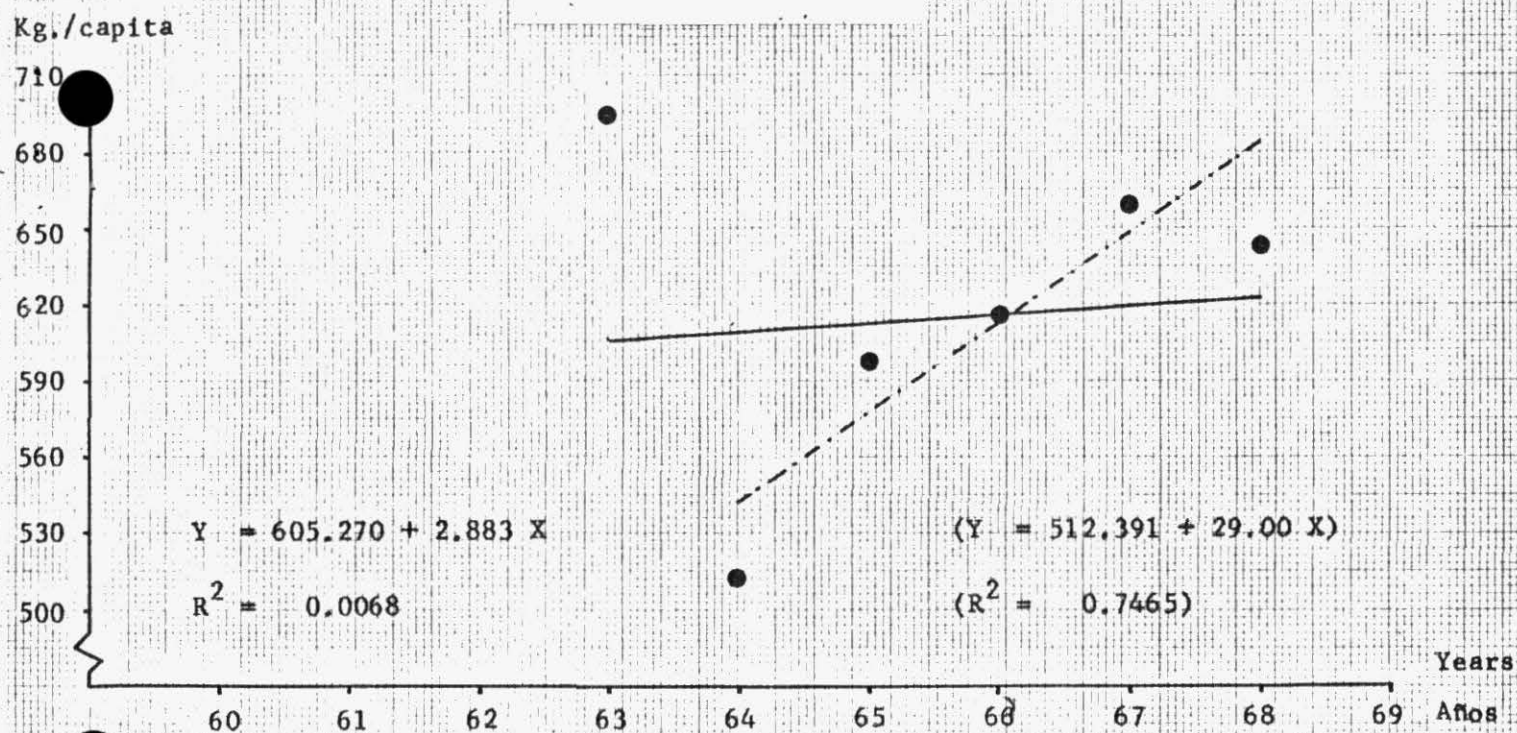


FIG. 34 - UGANDA

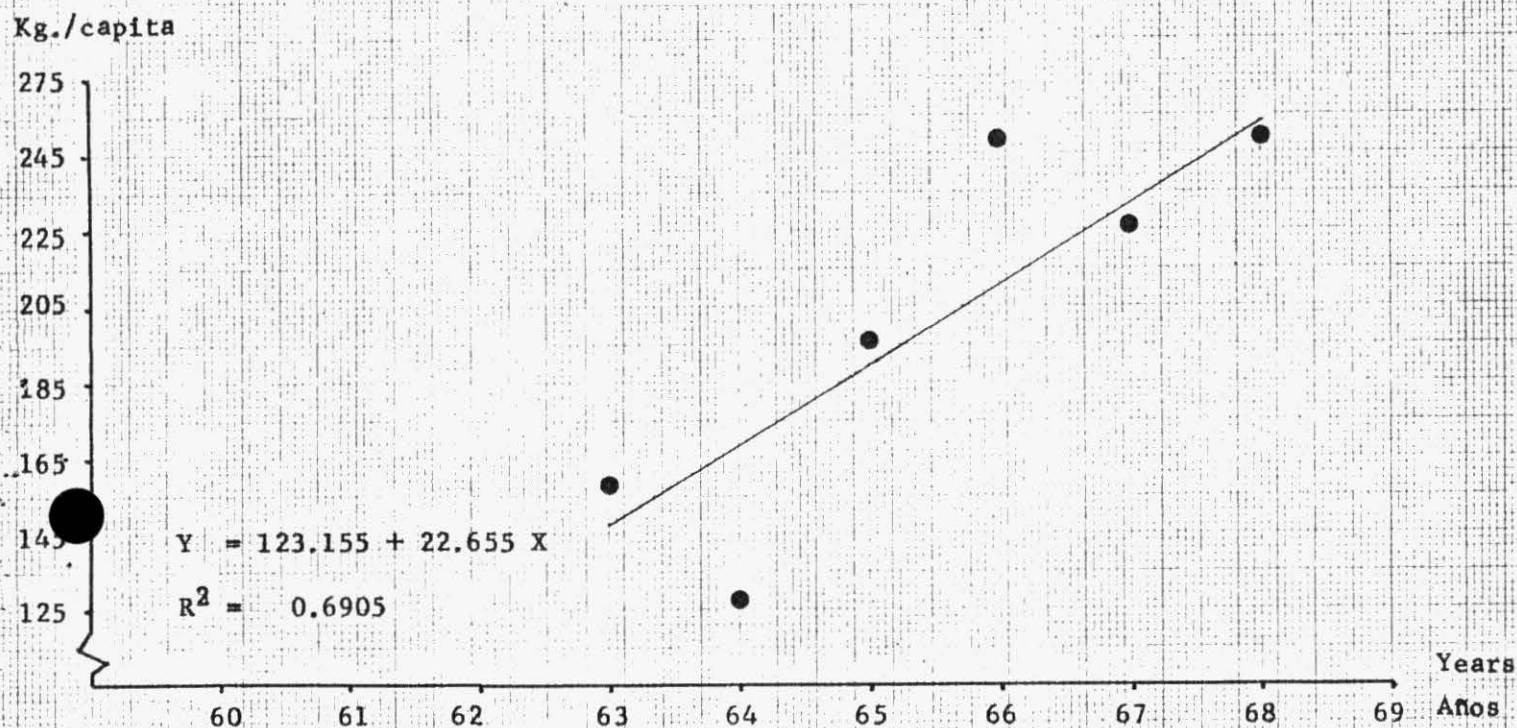


FIG. 35 - UPPER VOLTA
ALTO VOLTA

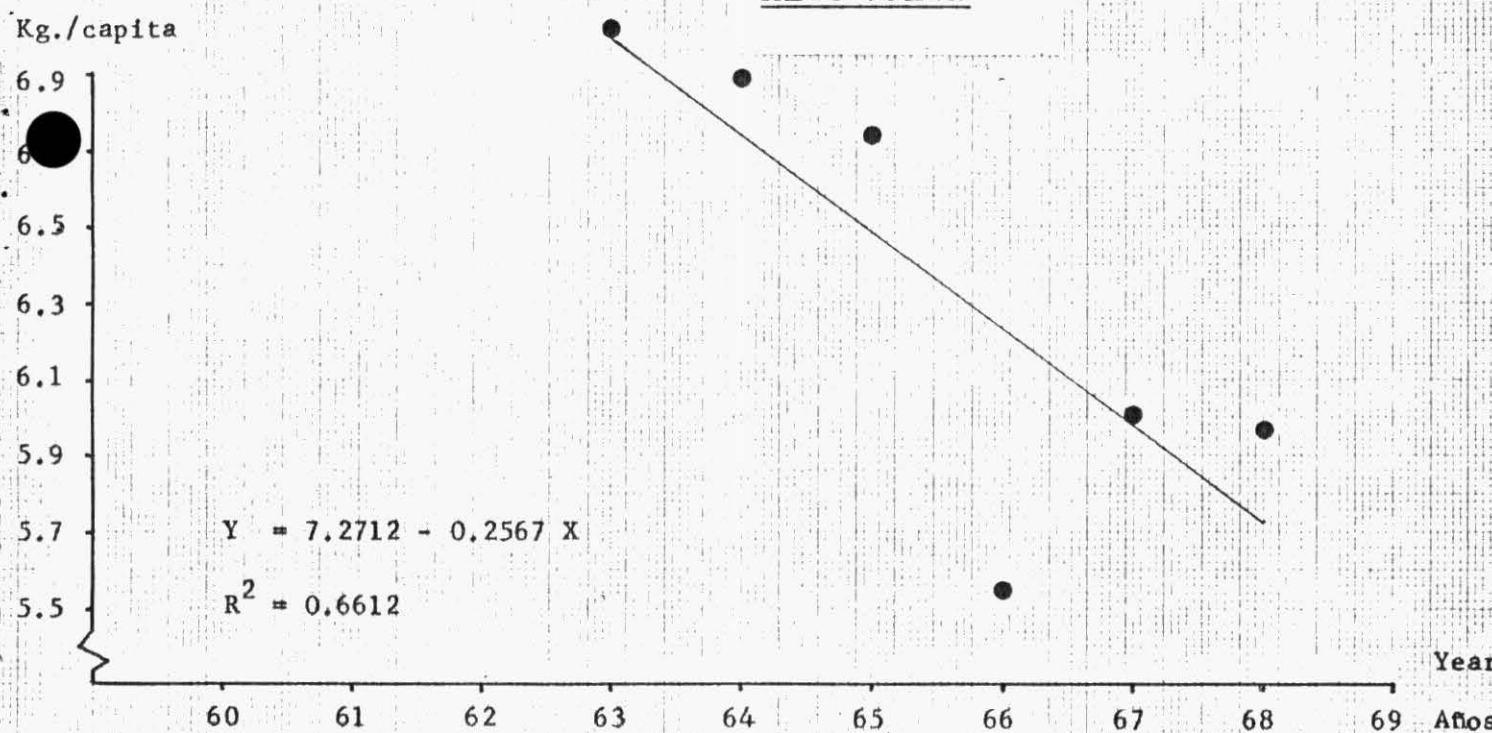
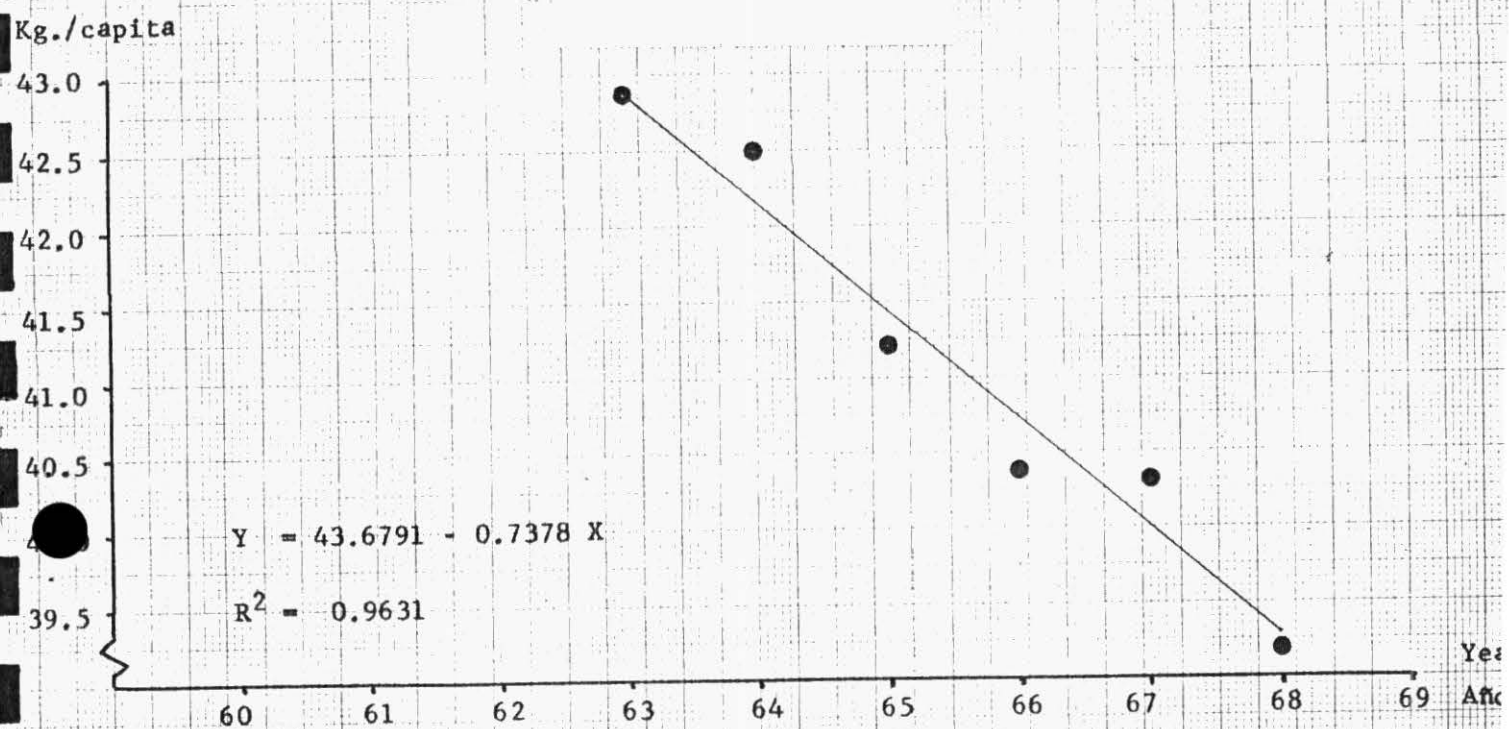


FIG. 36 - ZAMBIA



A S I A

FIG. 37 - BRUNEI

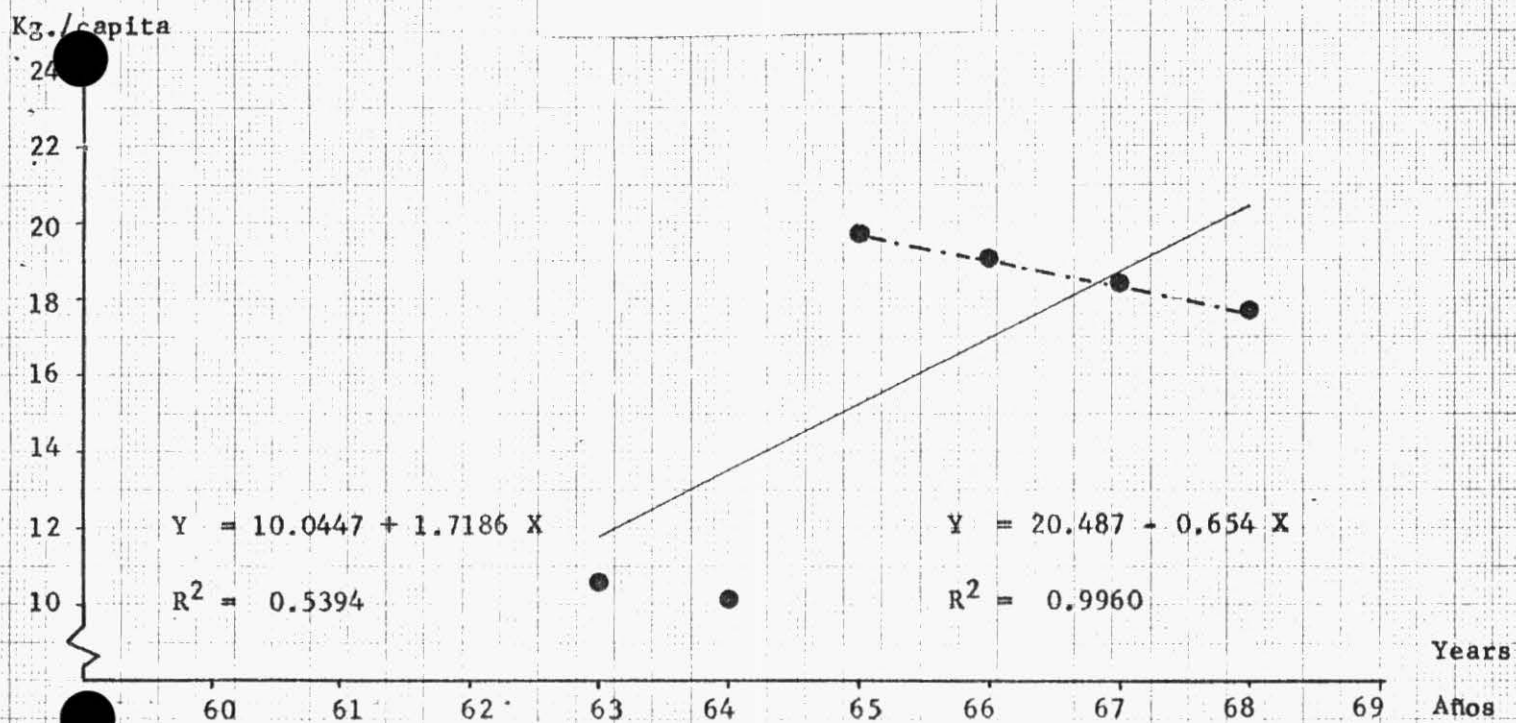
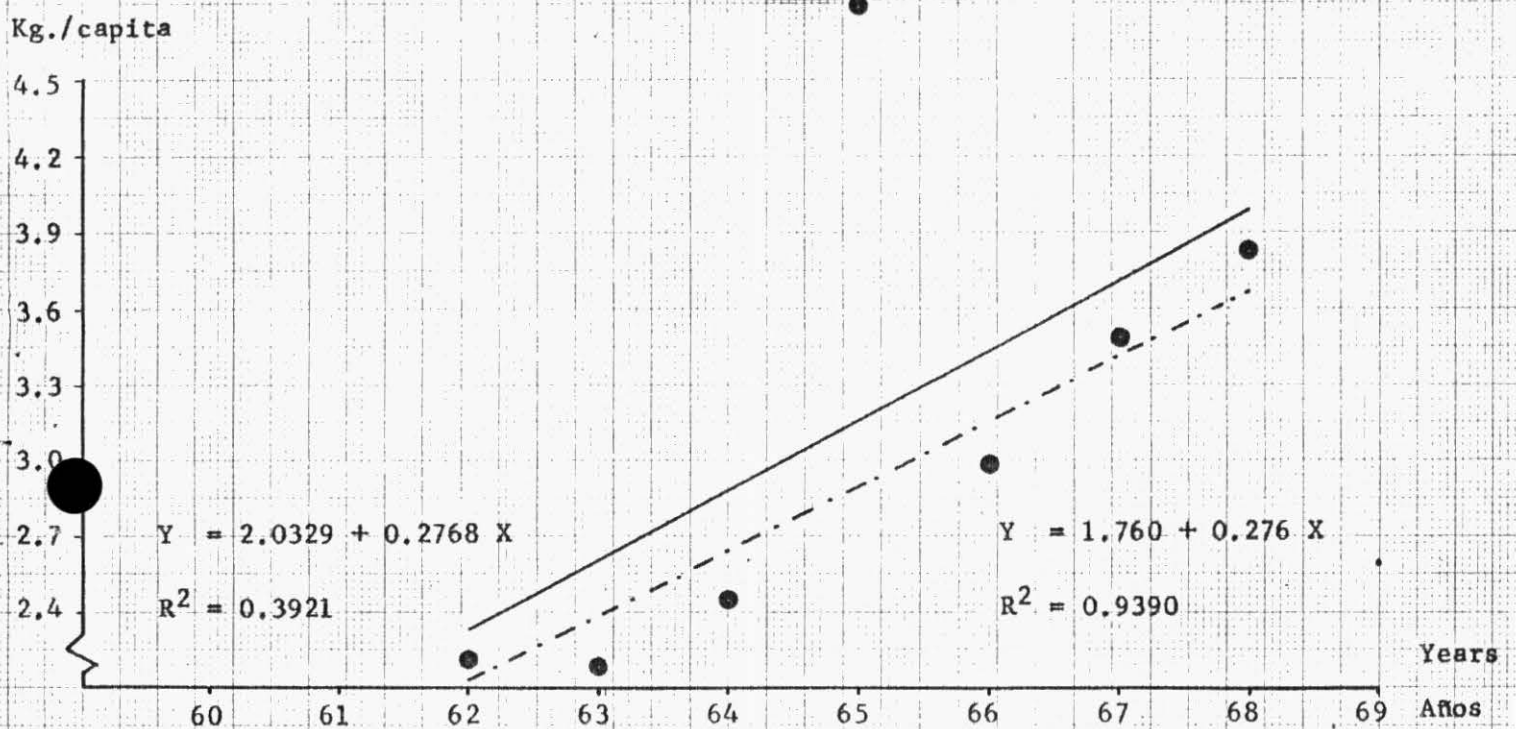
FIG. 38 - CAMBODIA
CAMBOYA

FIG. 39 - CEYLON
CEYLAN

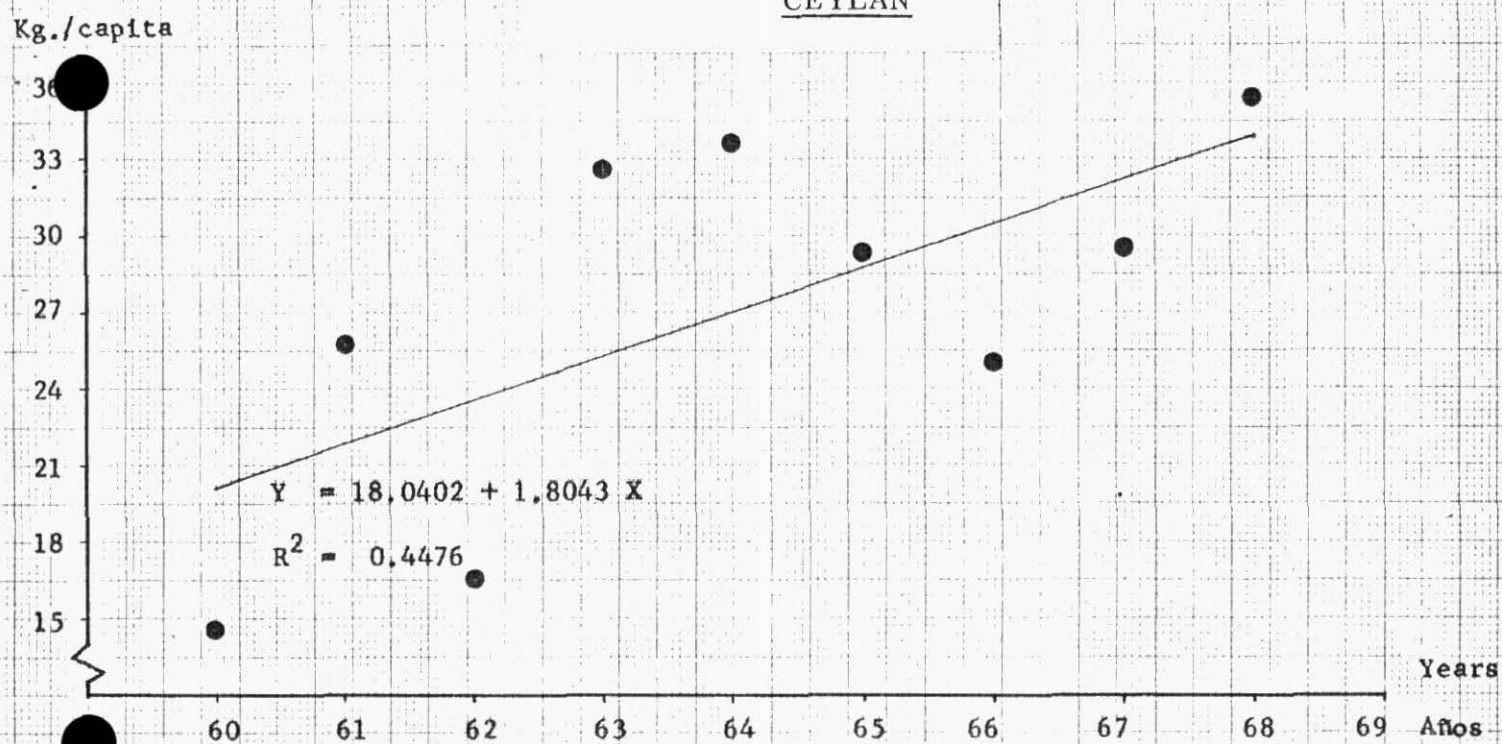


FIG. 40 - INDIA

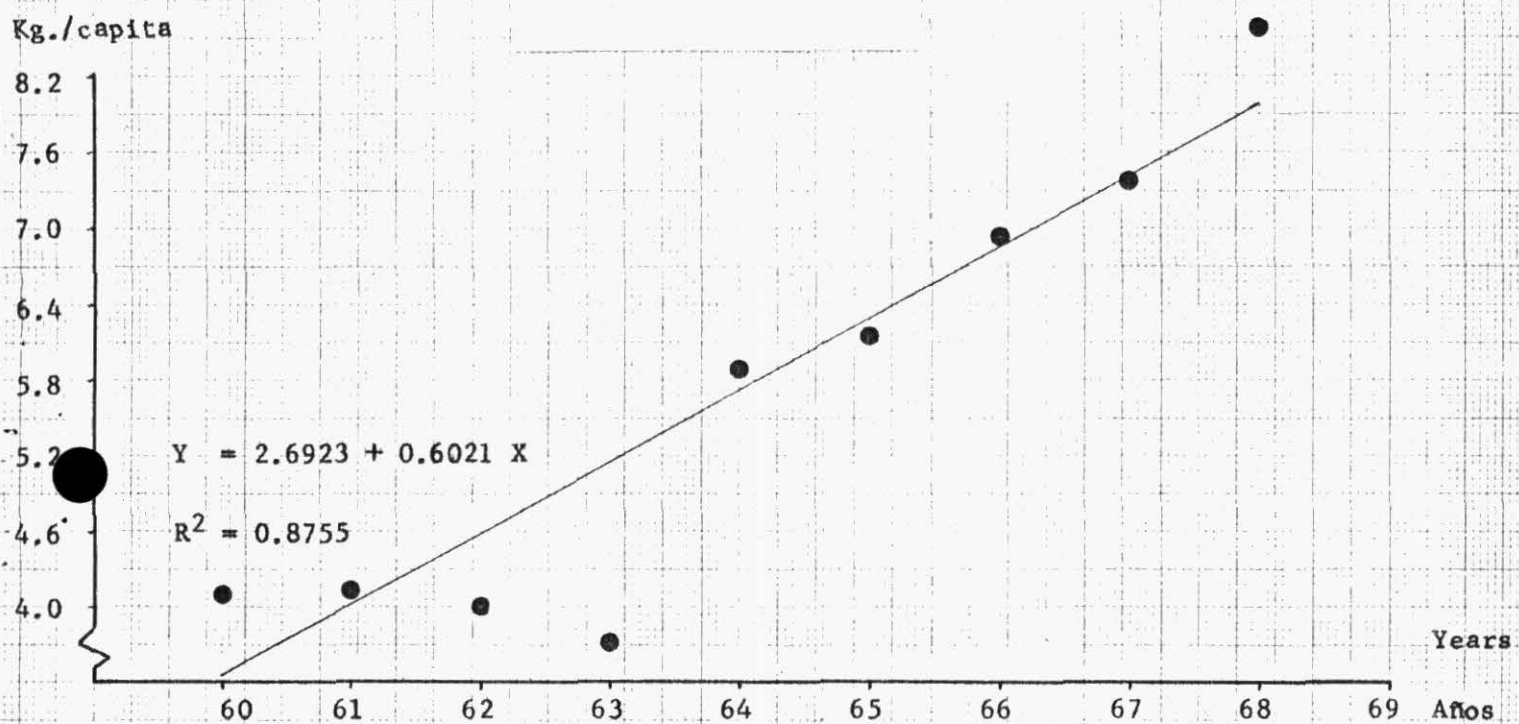


FIG. 41 - INDONESIA

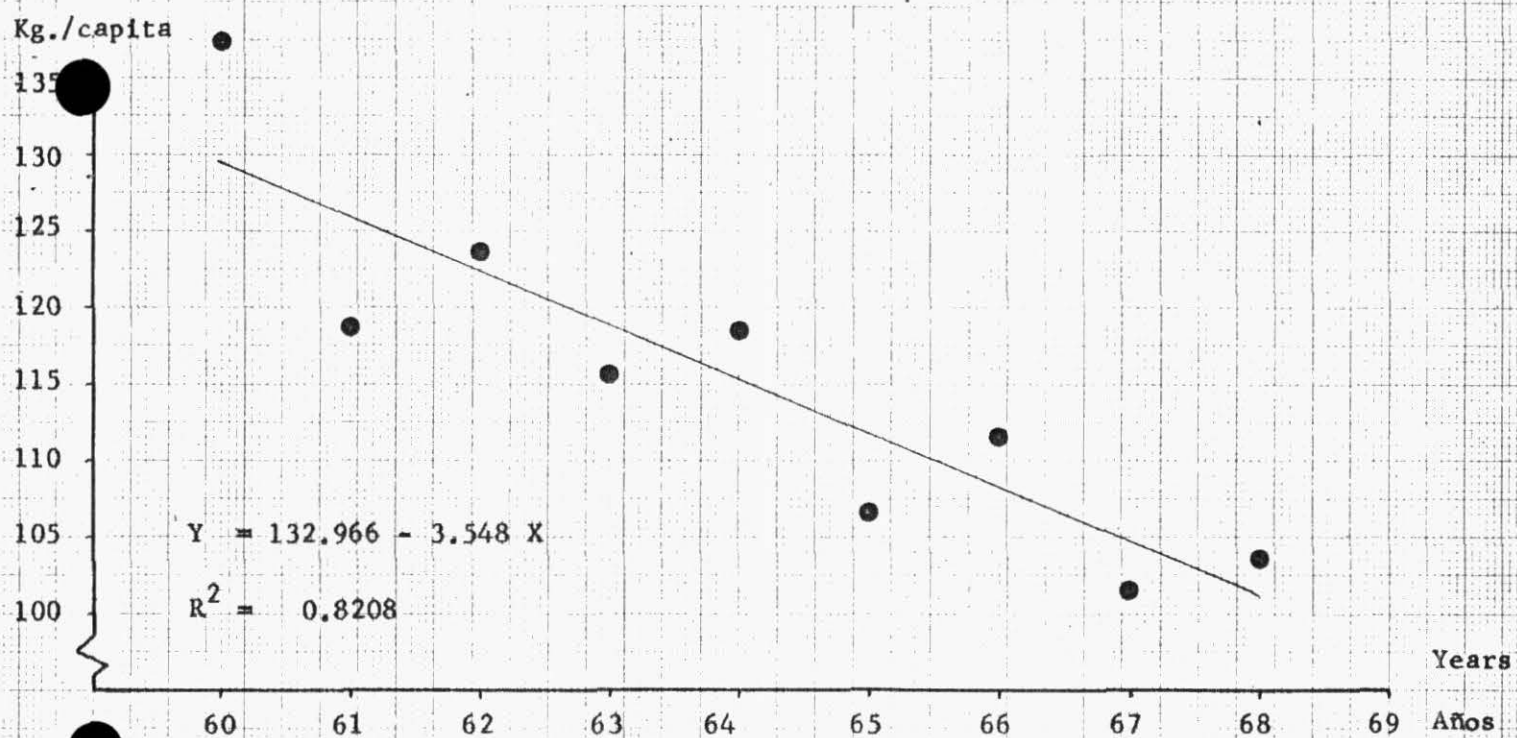


FIG. 42 - LAOS

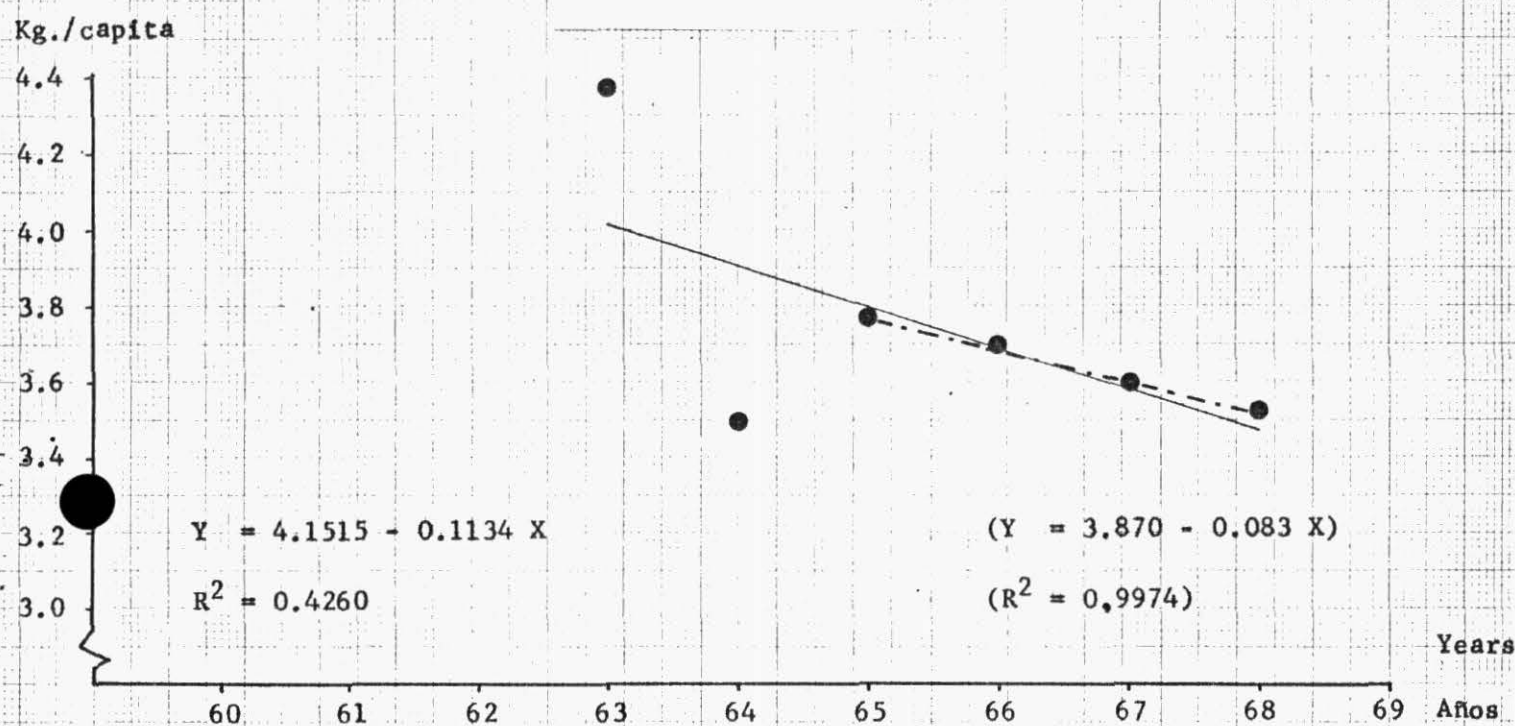


FIG. 43 - MALAYSIA SABAH
MALASIA SABAH

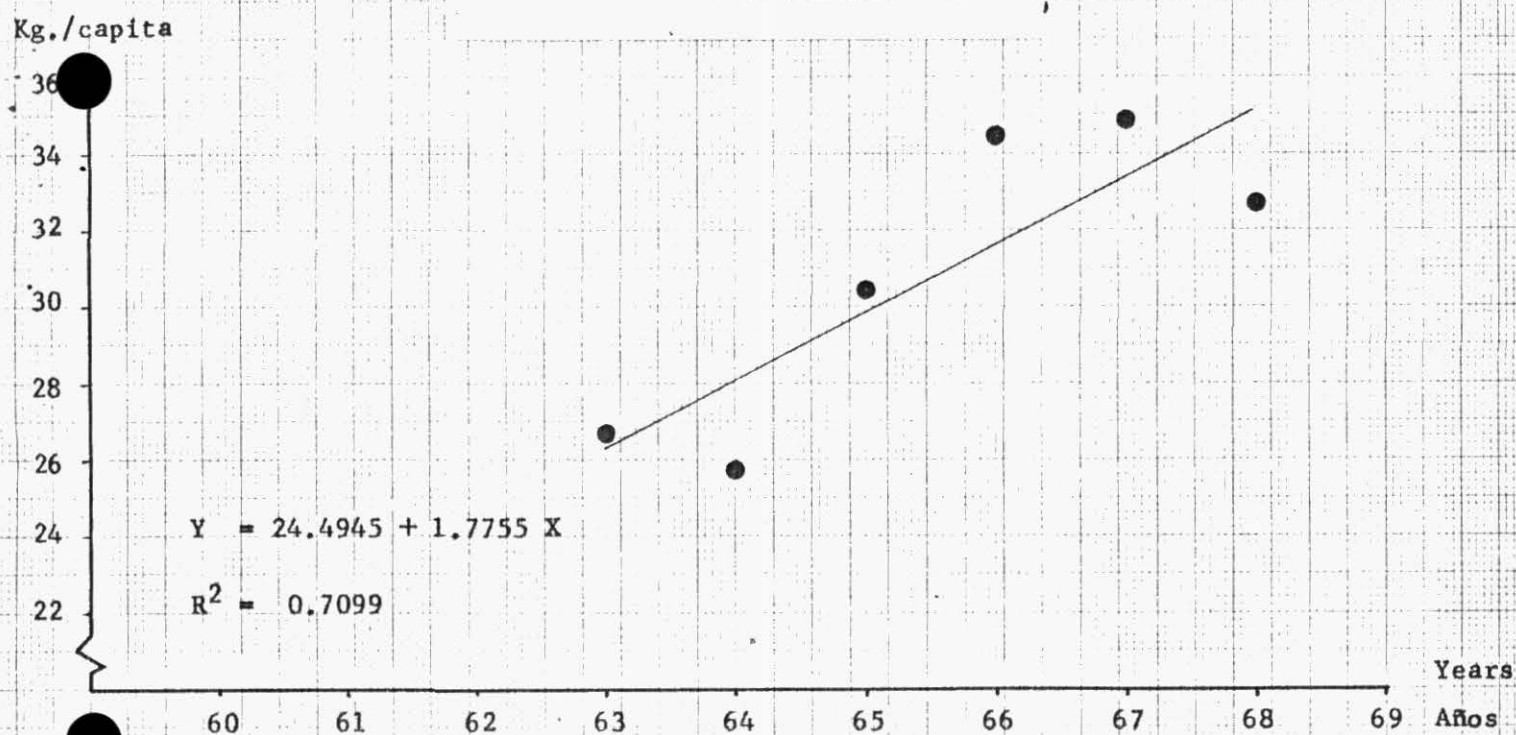


FIG. 44 - MALAYSIA WEST
MALASIA OCCIDENTAL

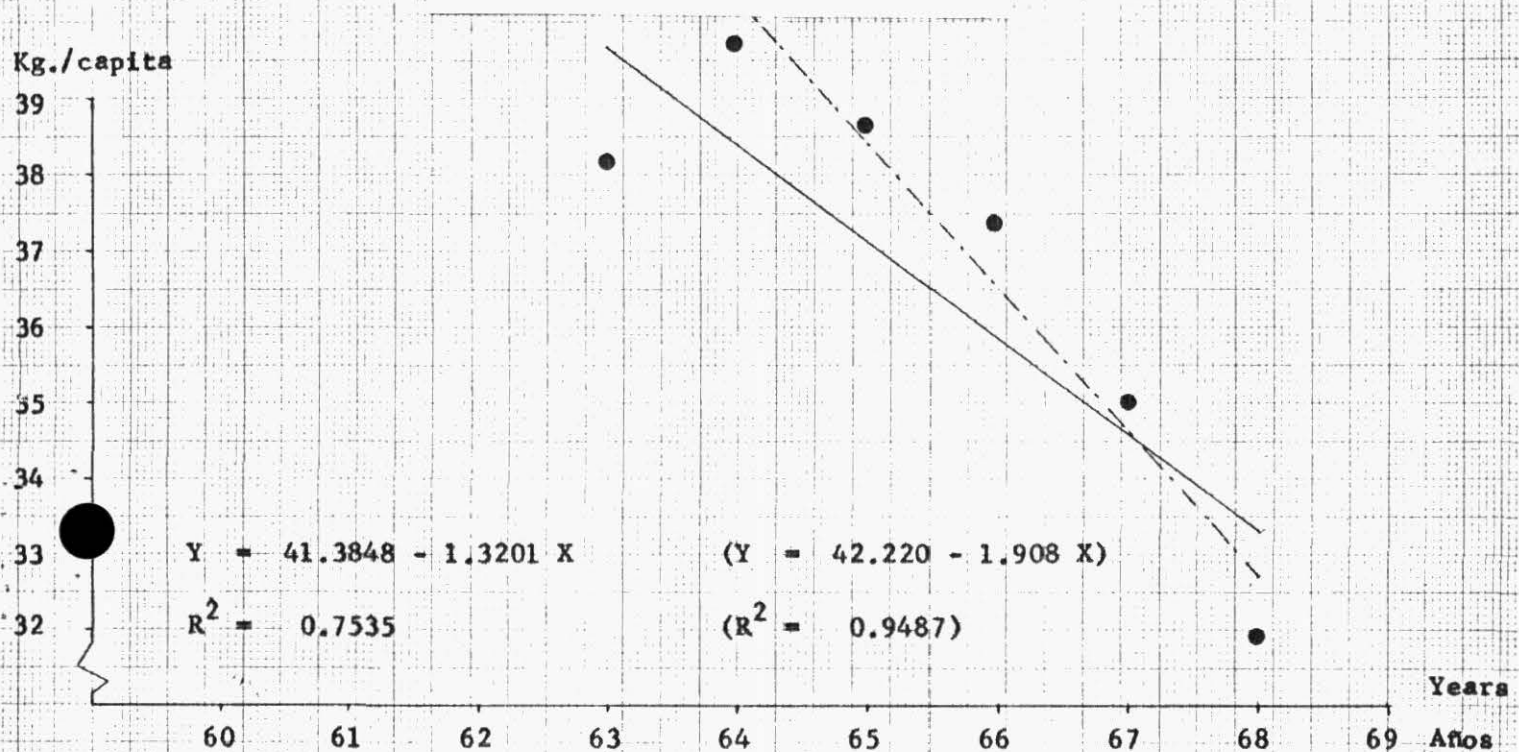


FIG. 45 - PHILIPPINES
FILIPINAS

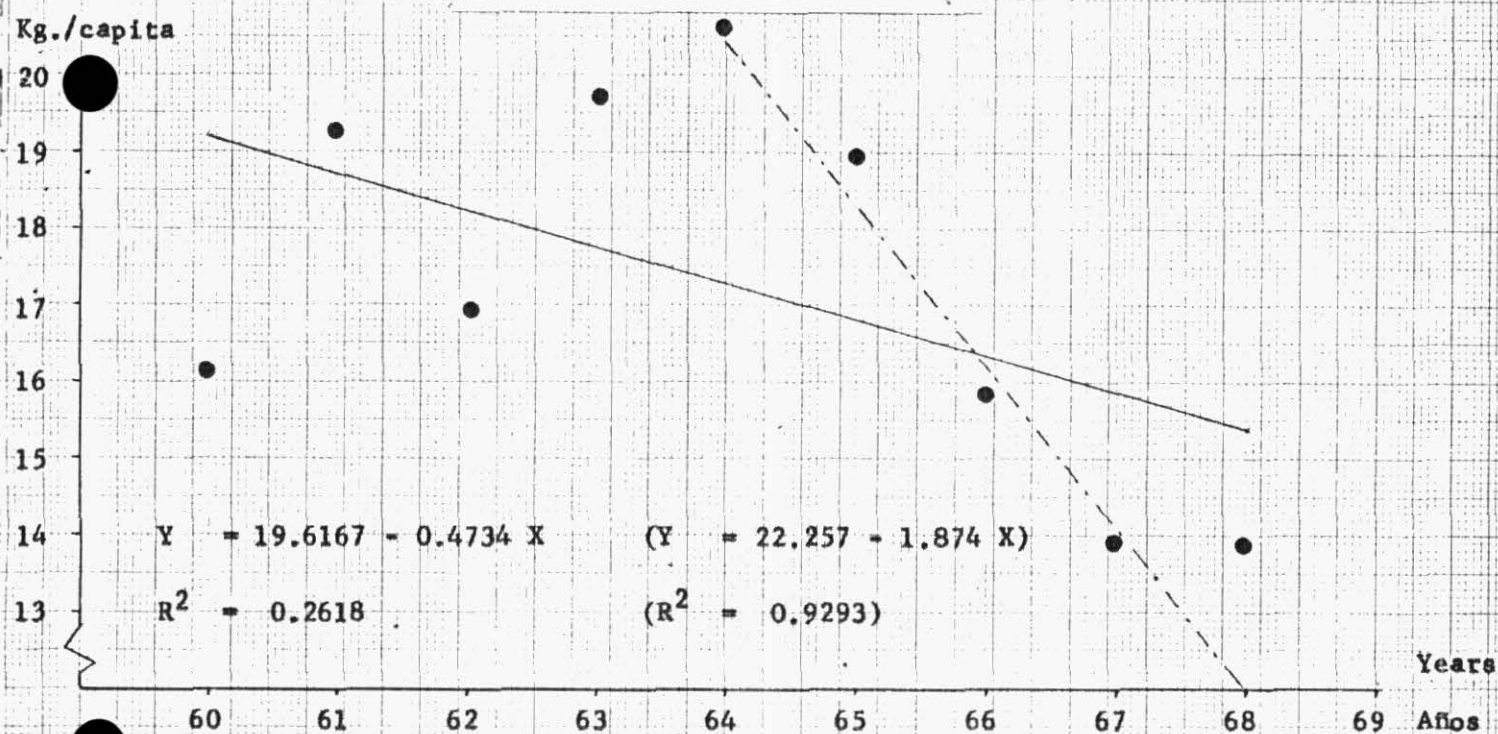


FIG. 46 - PORTUGUESE TIMOR
ISLAS TIMOR

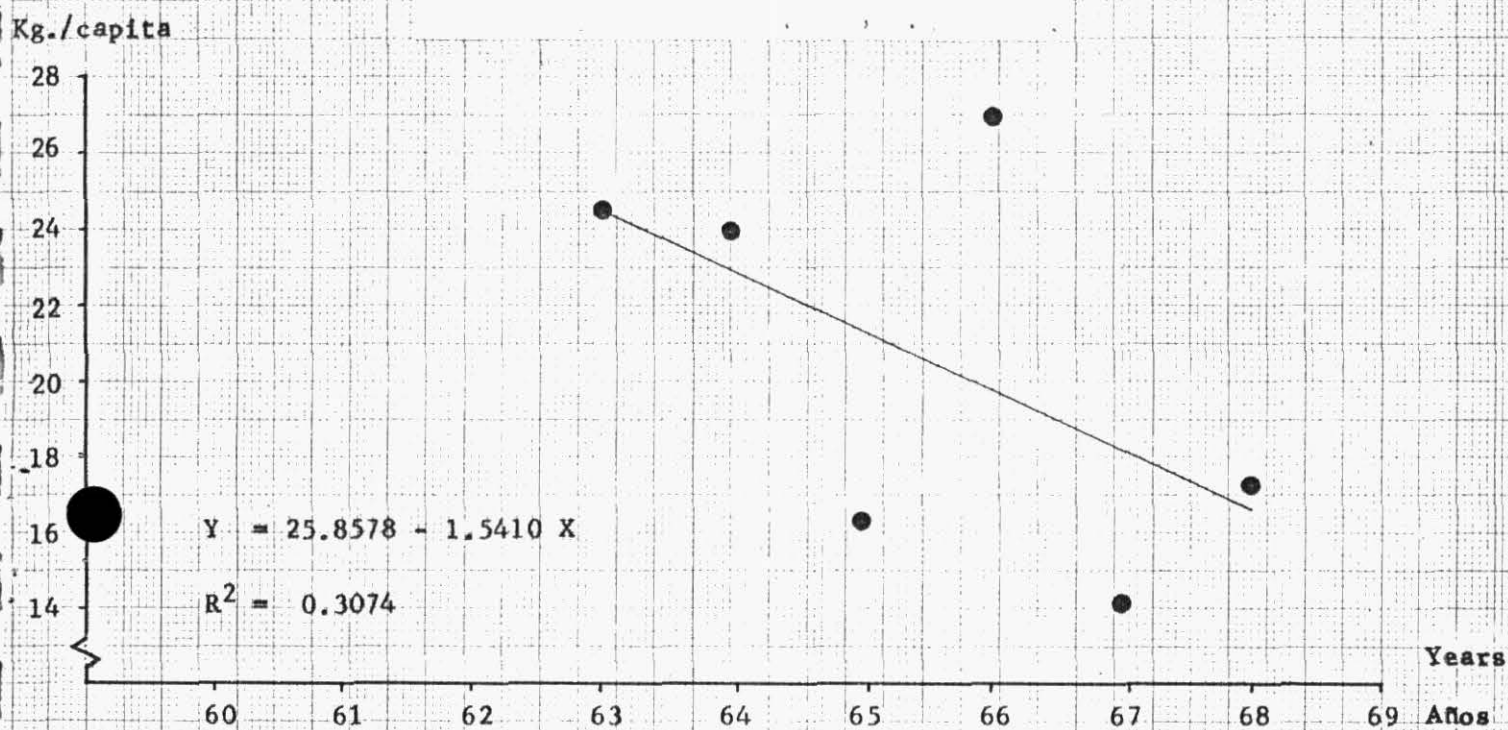


FIG. 47 - SINGAPORE
SINGAPUR

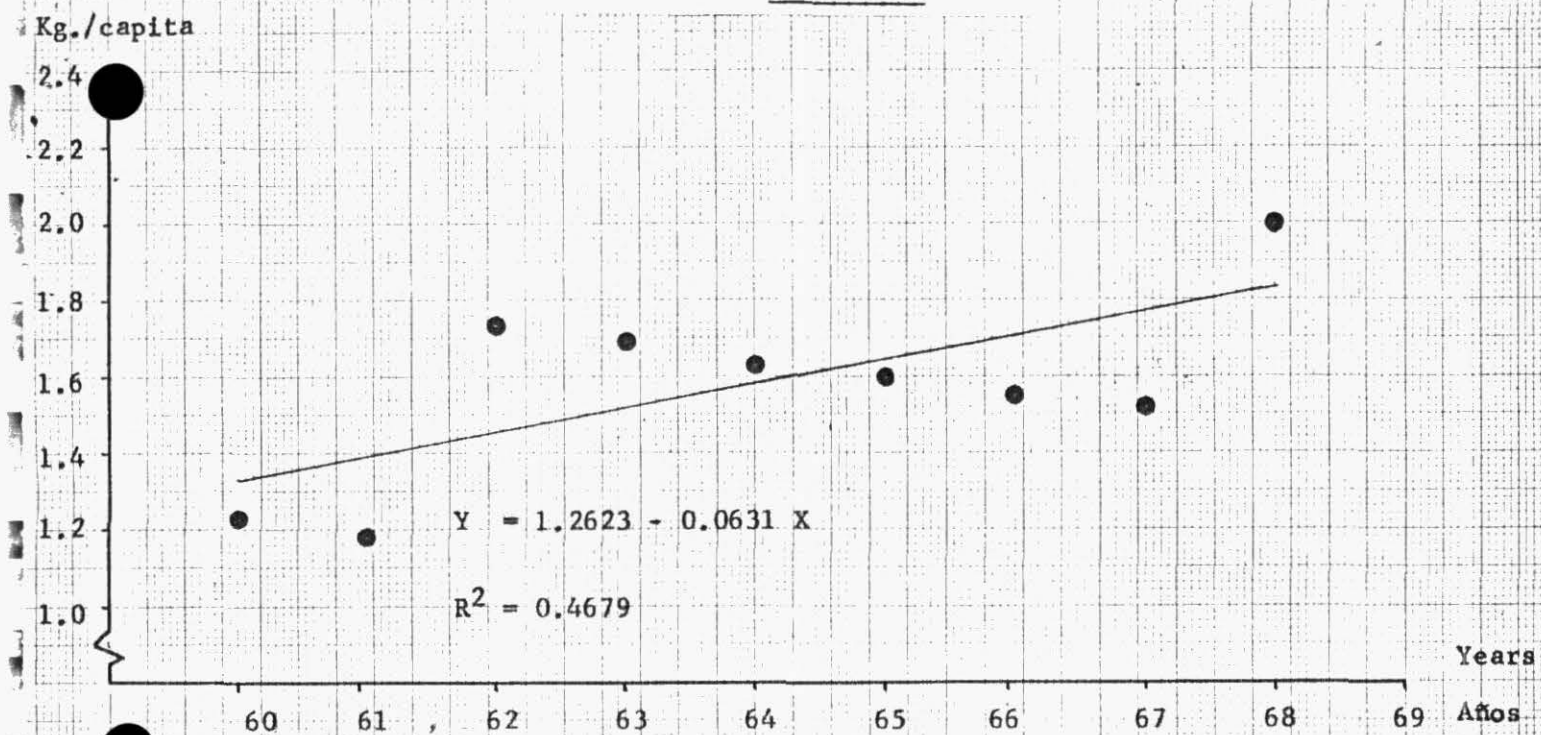


FIG. 48 - TAIWAN

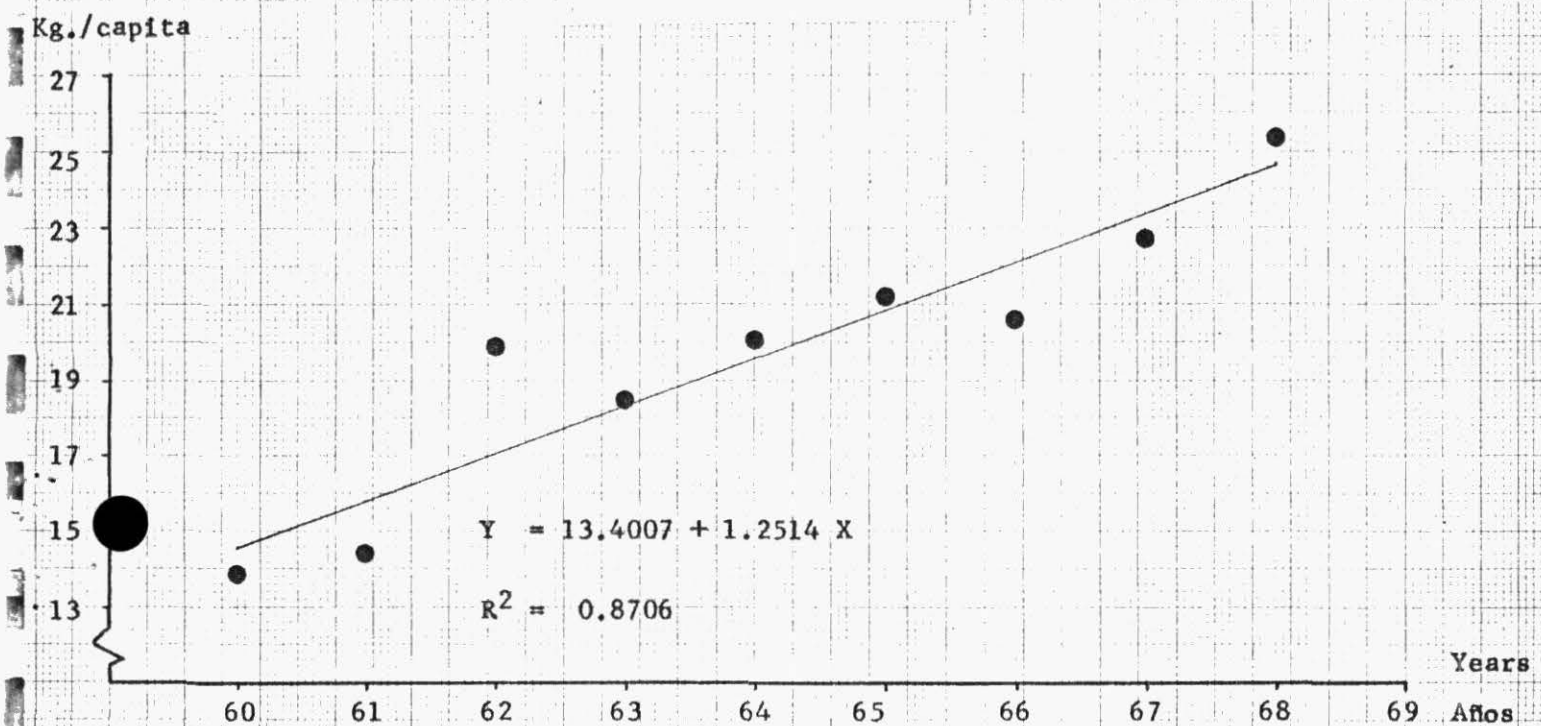


FIG. 49 - THAILAND
TAILANDIA

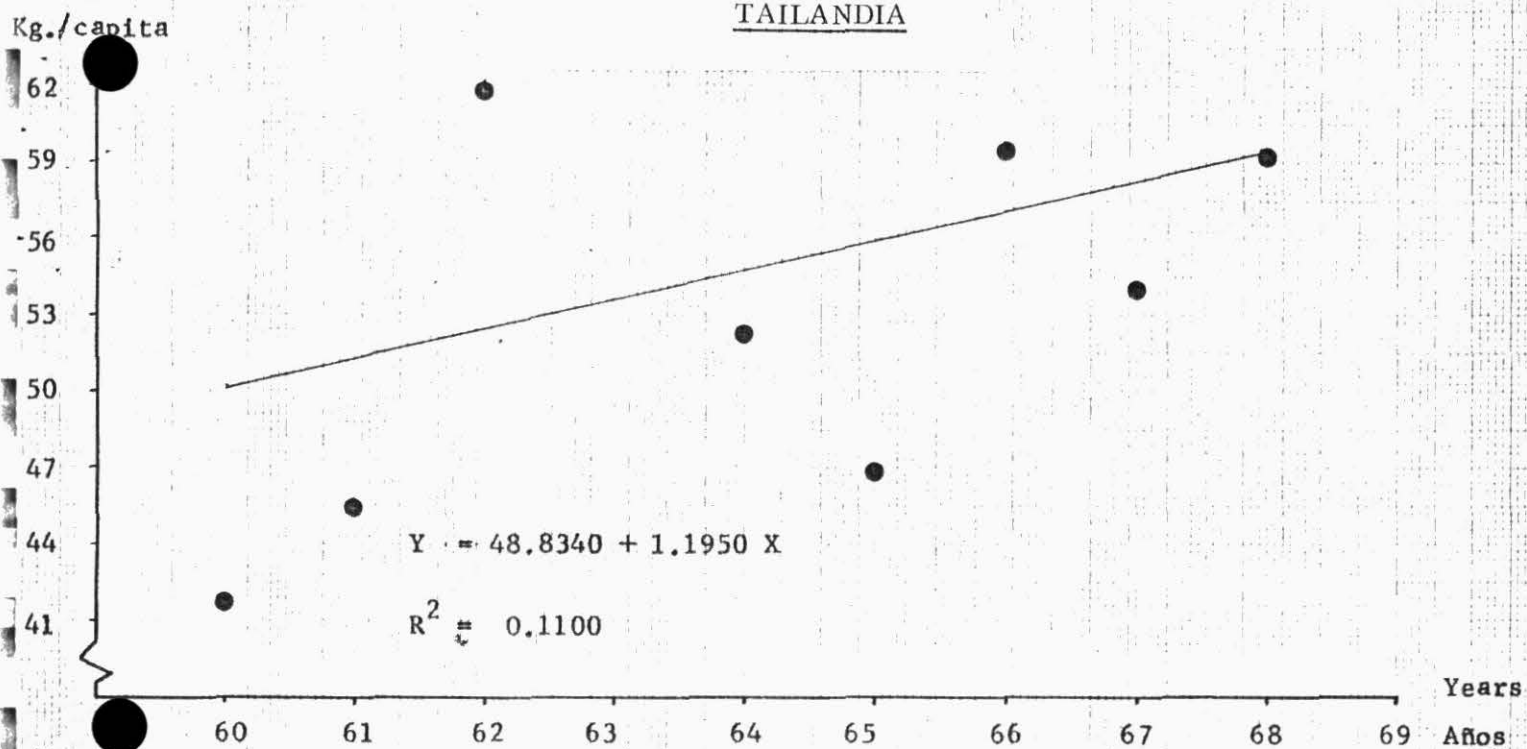


FIG. 50 - VIET-NAM NTH
VIETNAM DEL NORTE

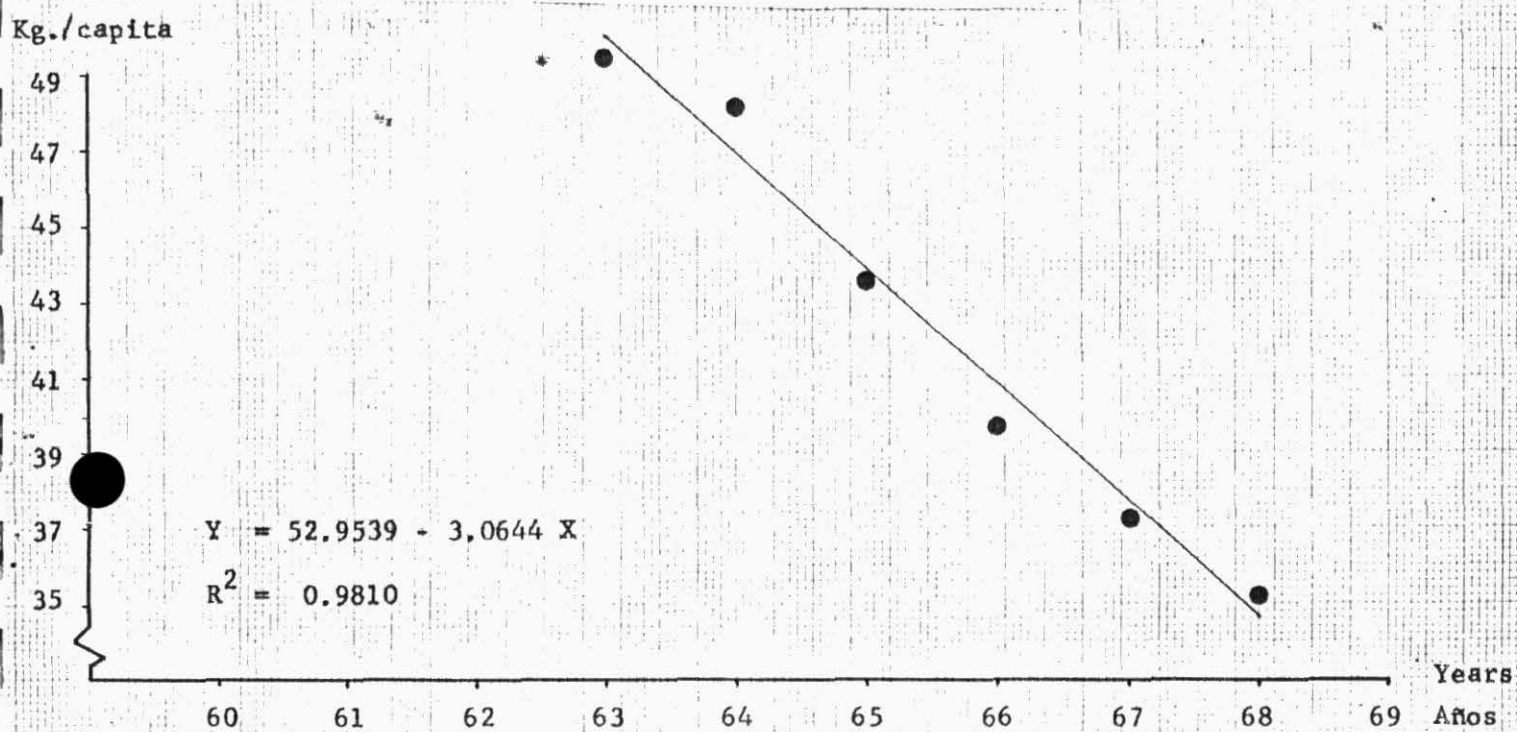
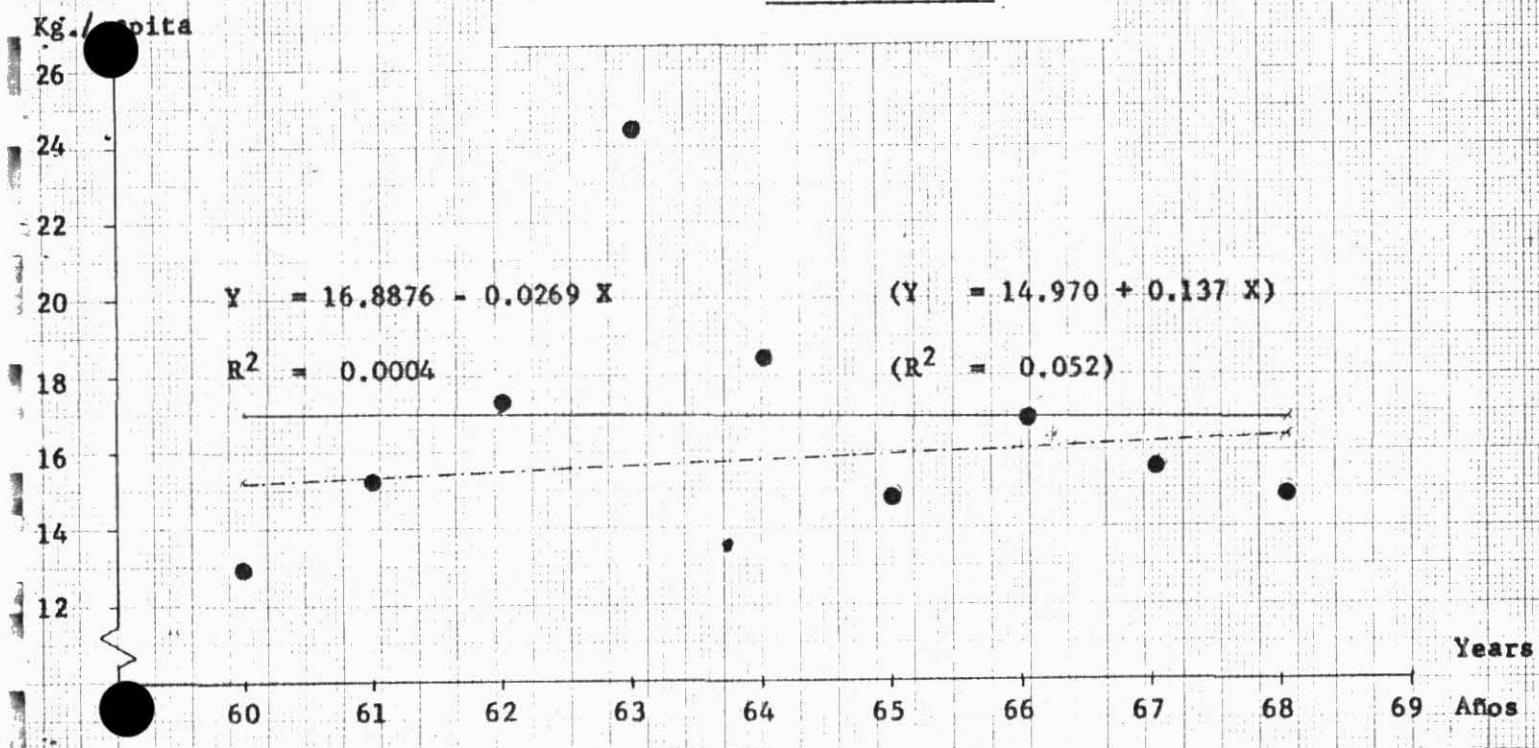


FIG. 51 - VIET-NAM REP.
VIETNAM REP.



CARIBBEAN AND CENTRAL AMERICA

CARIBE Y CENTRO AMERICA

FIG. 52 - BARBADOS

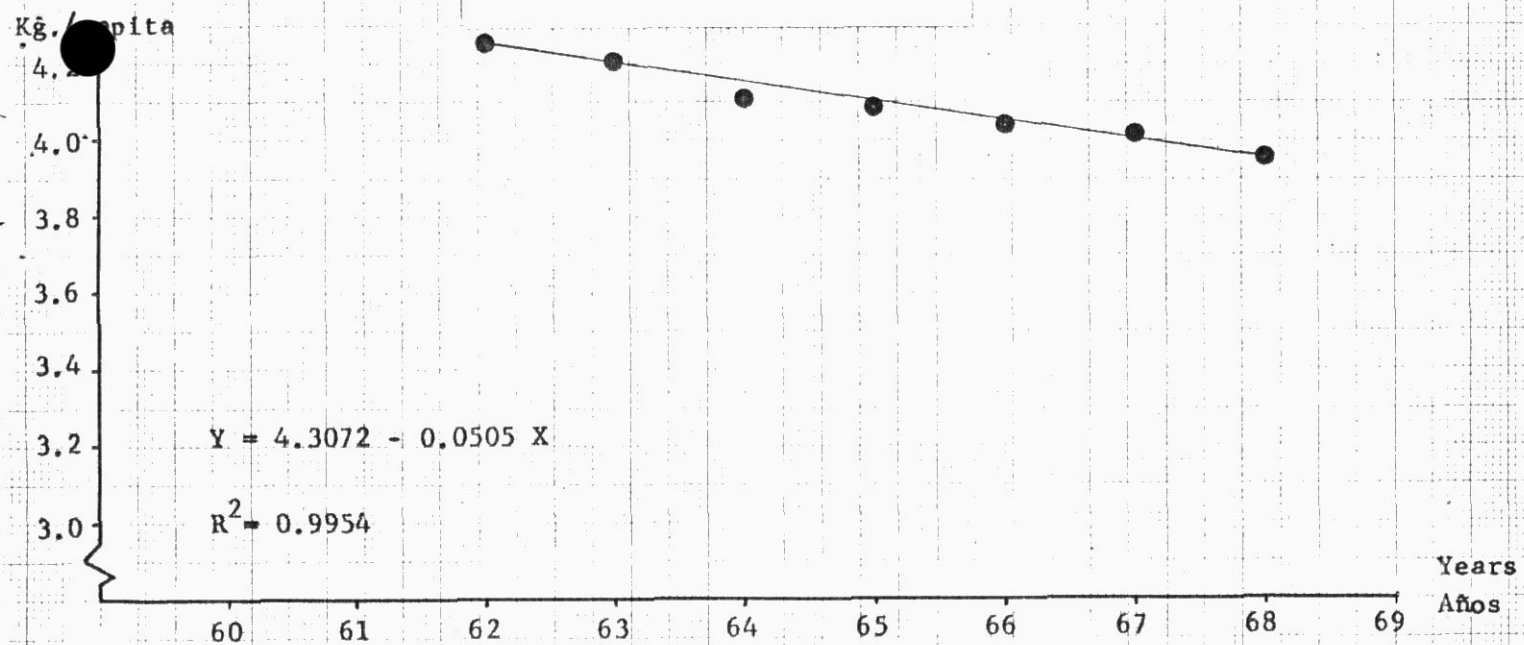


FIG. 53 - COSTA RICA

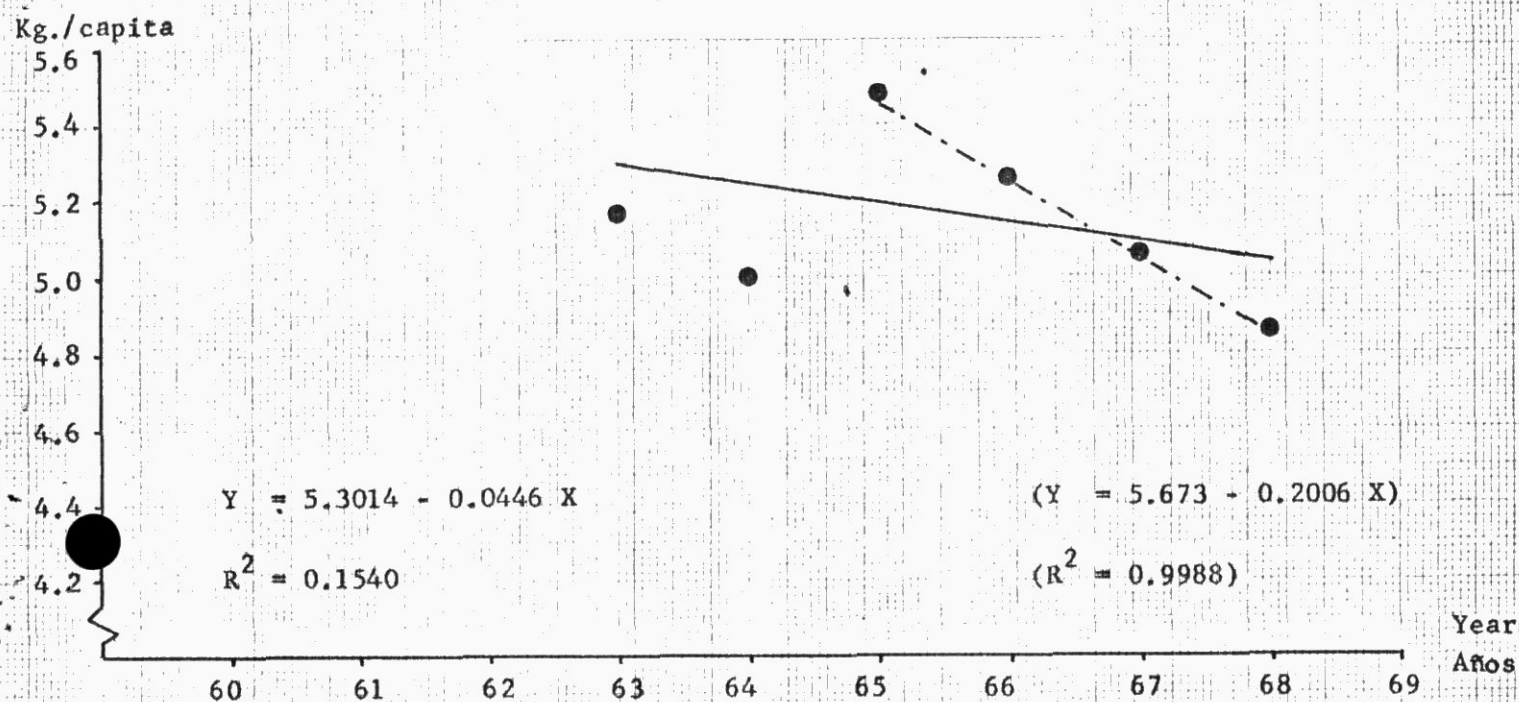
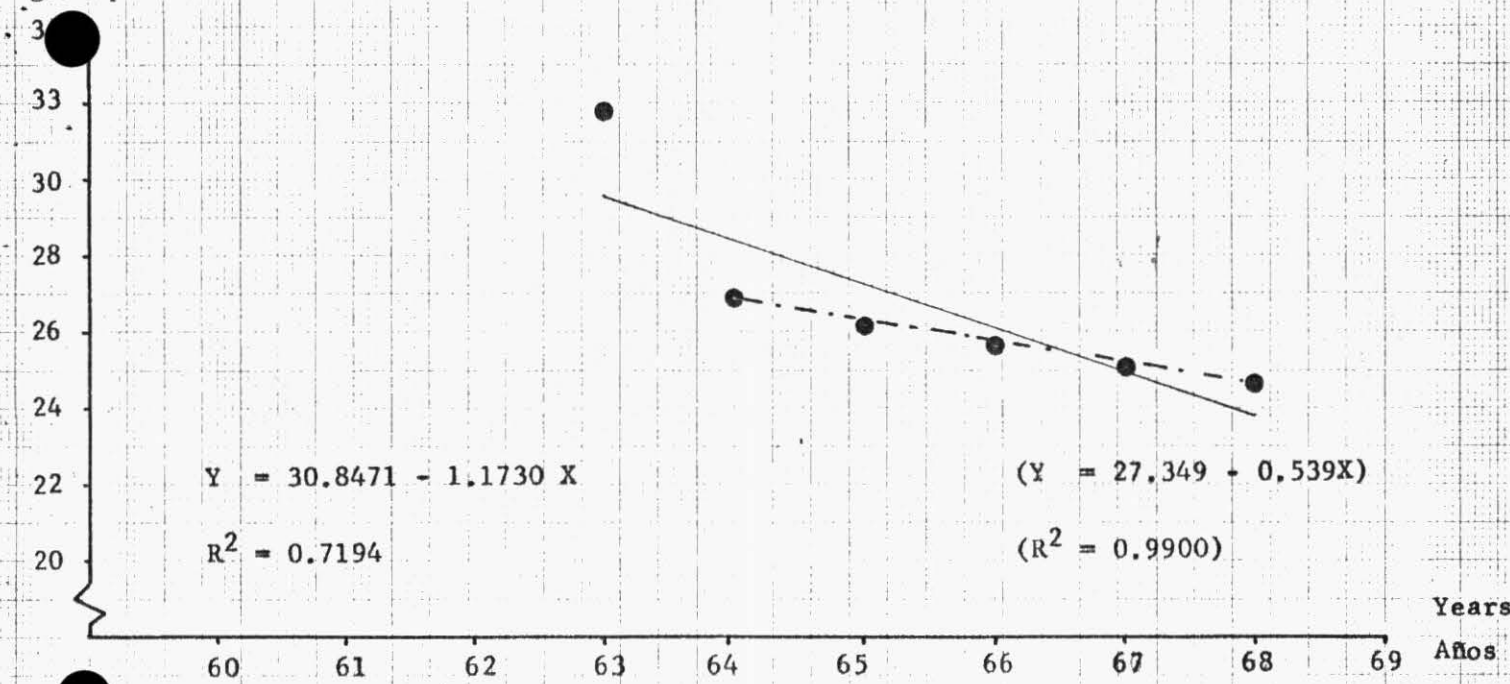


FIG. 54 - CUBA

Kg./capita

FIG. 55 - DOMINICAN REPUBLIC
REPUBLICA DOMINICANA

Kg./capita

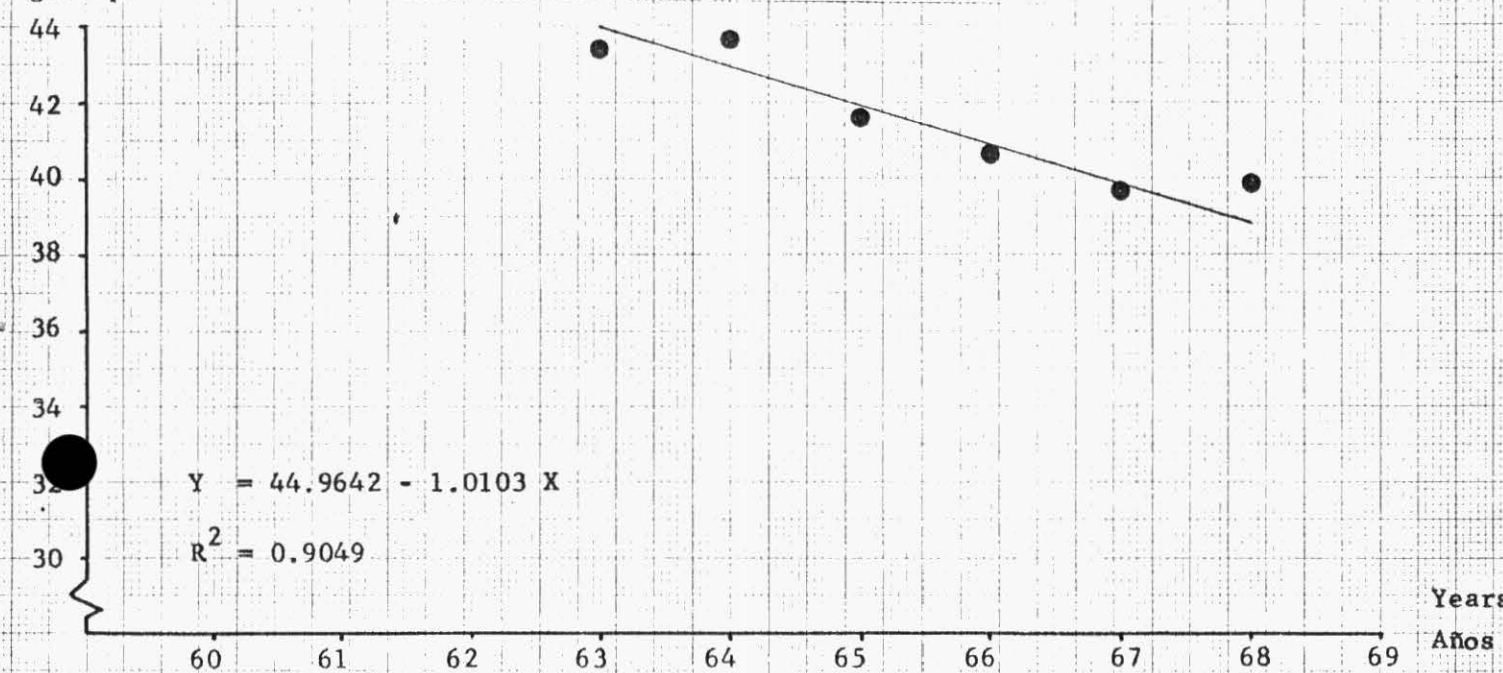


FIG. 56 - EL SALVADOR

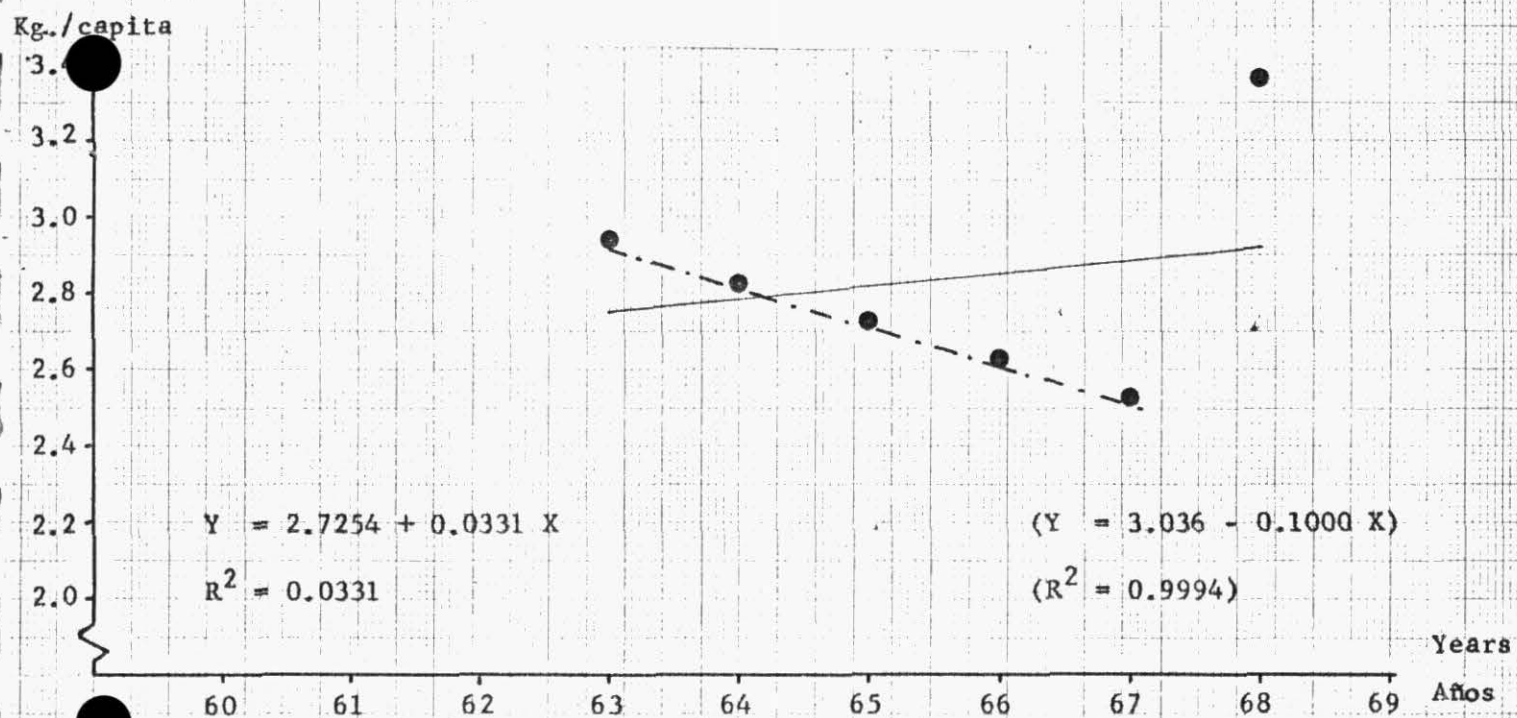
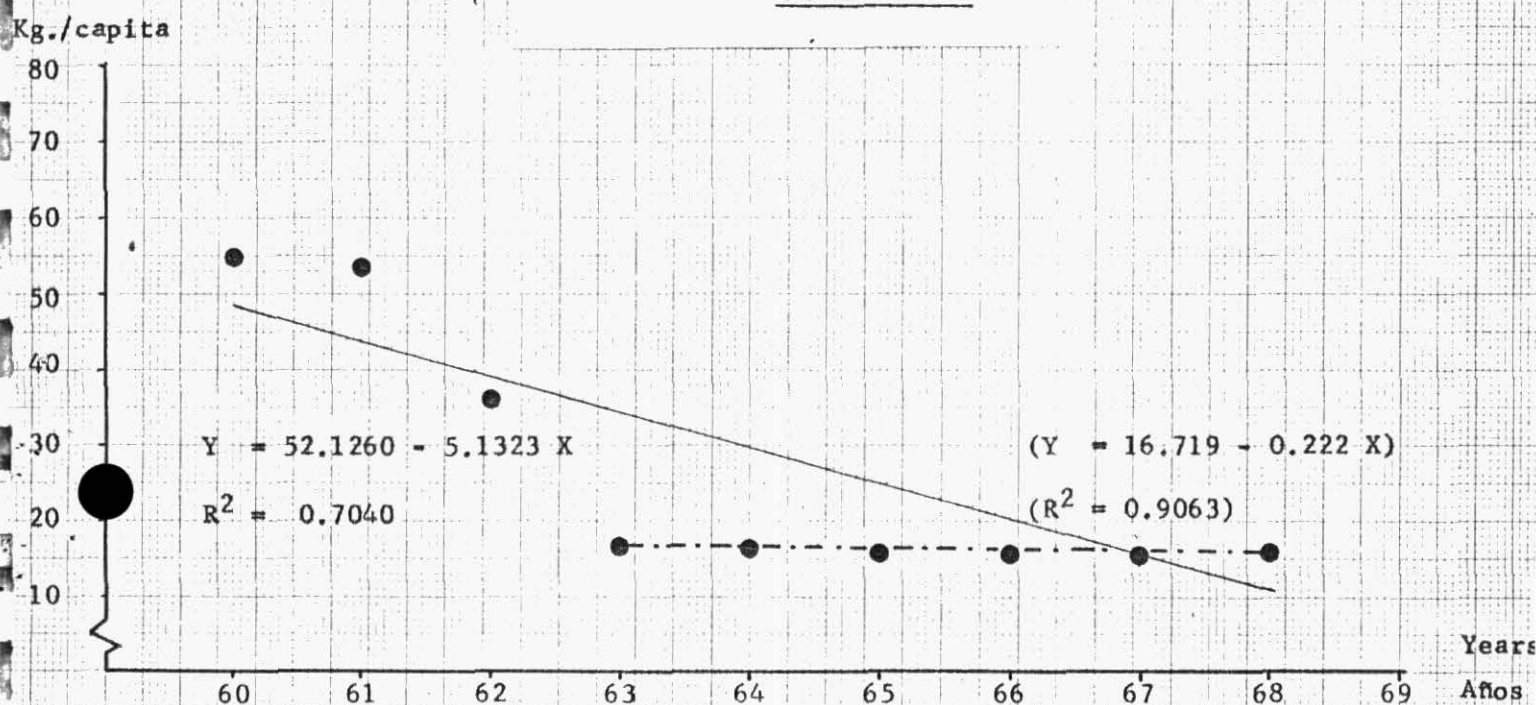
FIG. 57 - GUADALOUPE
GUADALUPE

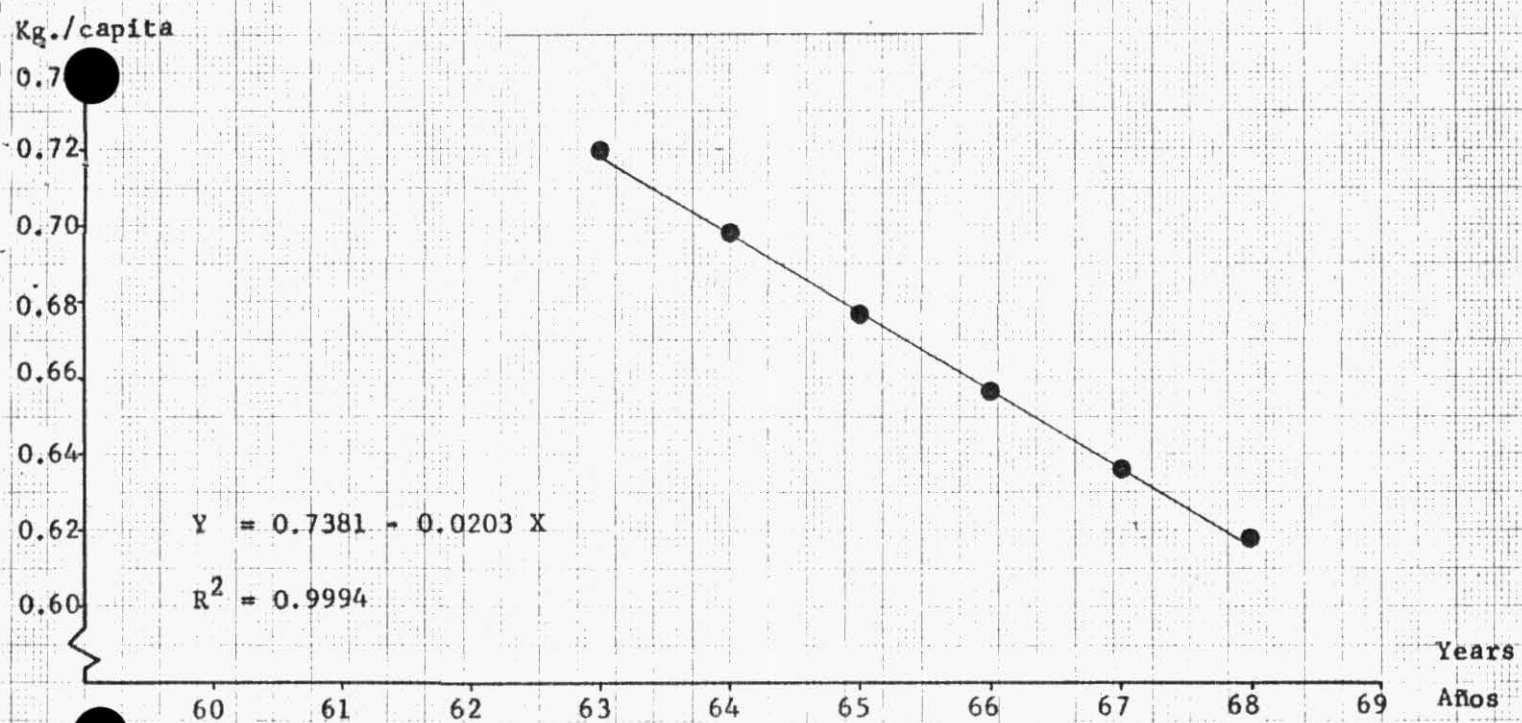
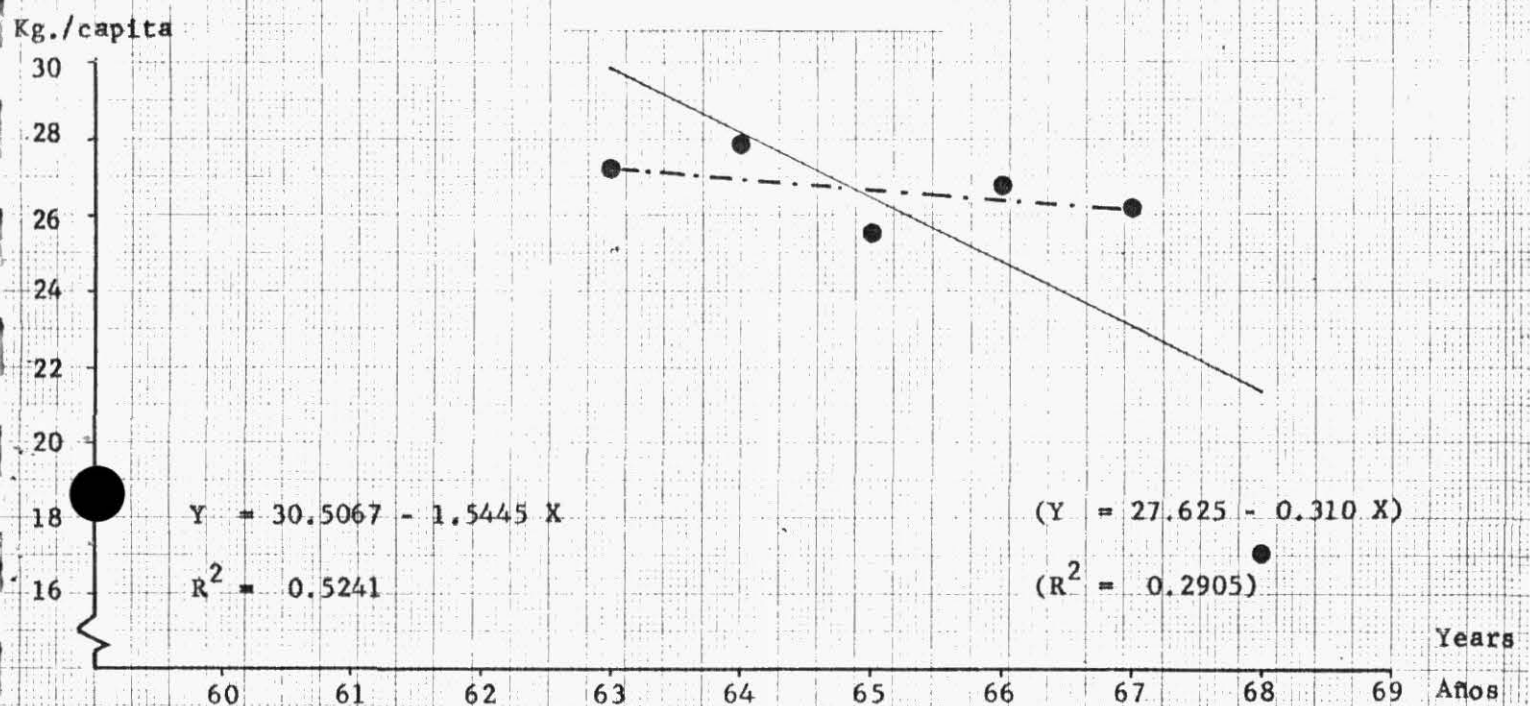
FIG. 58 - GUATEMALAFIG. 59 - HAITI

FIG. 60 - HONDURAS

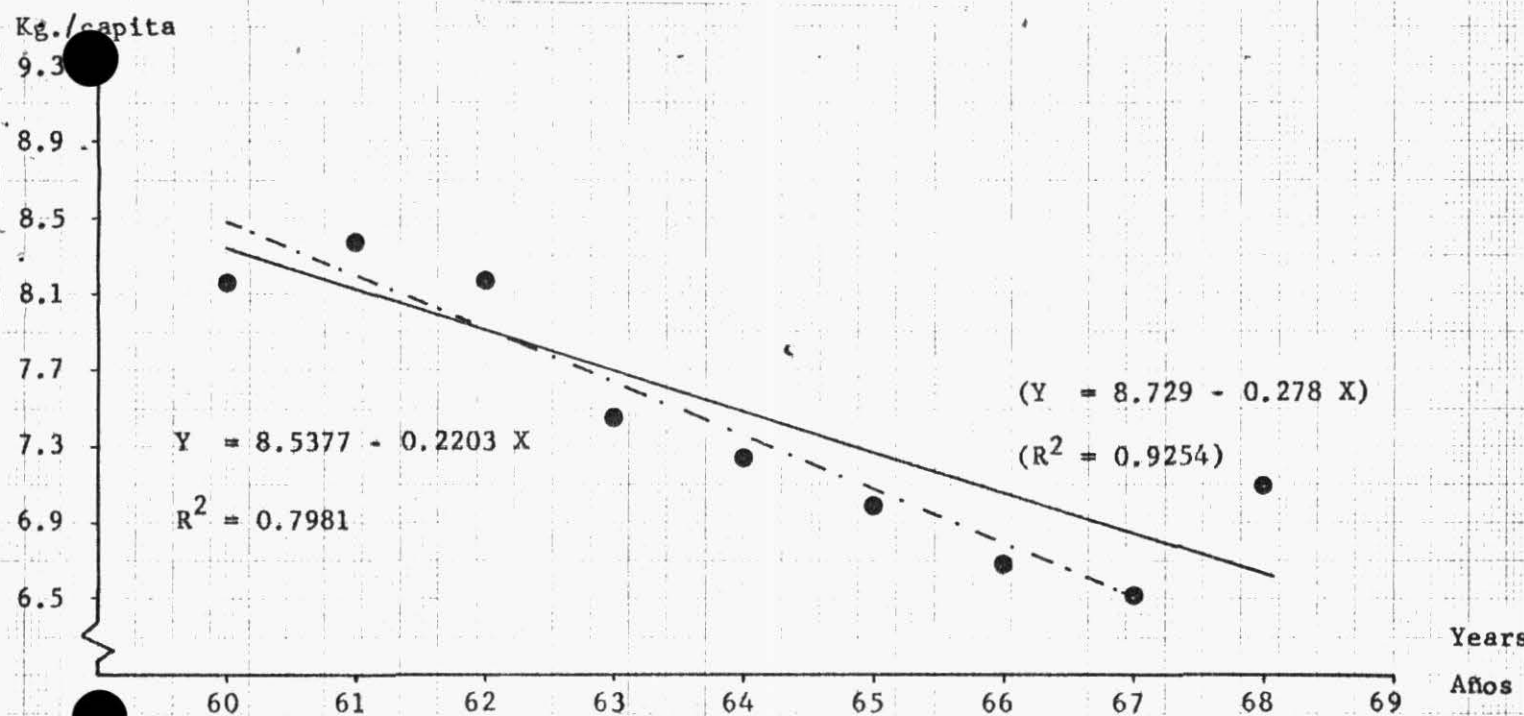


FIG. 61 - JAMAICA

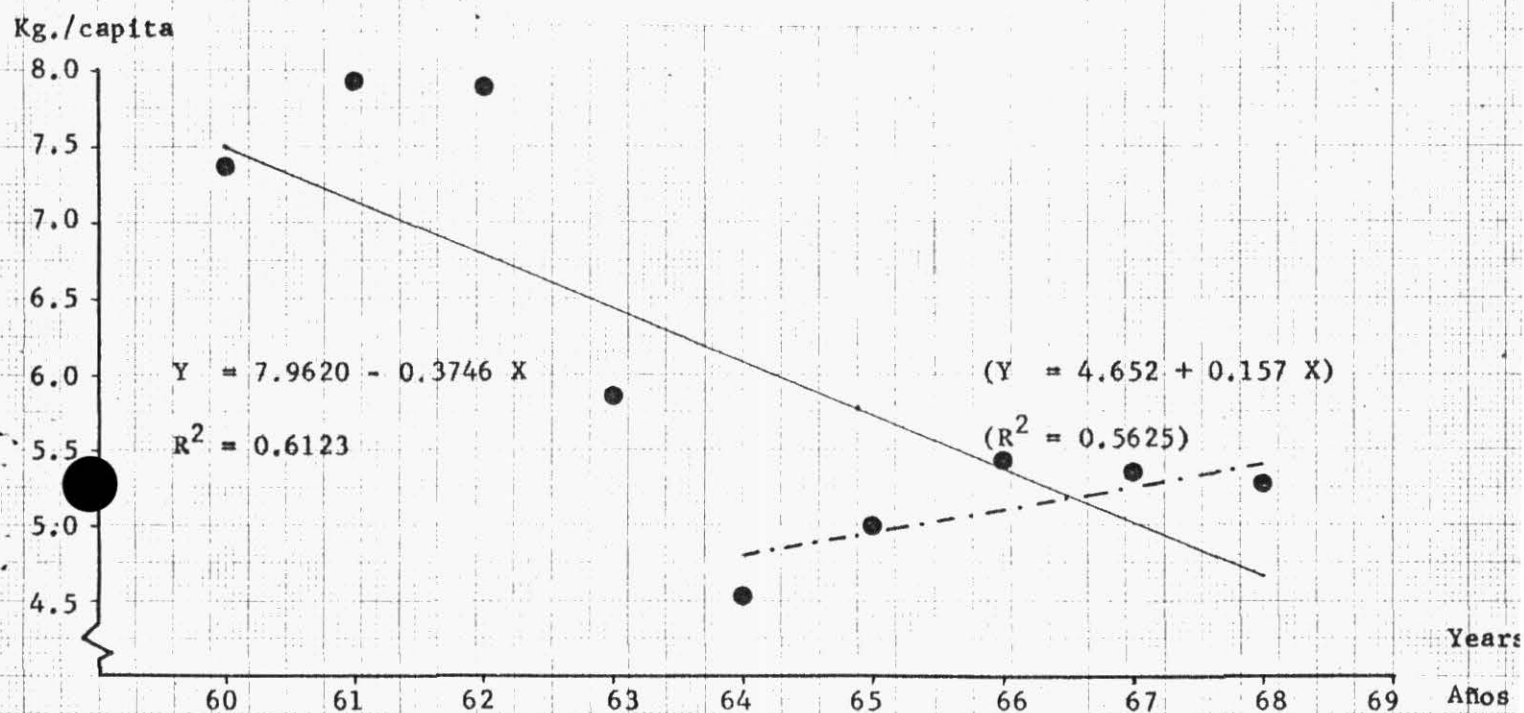


FIG. 62 - MARTINIQUE
MARTINICA ✓

Kg./capita

9.9

9.7

9.5

9.3

9.1

8.9

8.7

8.5

$$Y = 10.3970 - 0.2543 X$$

$$R^2 = 0.9523$$

60

61

62

63

64

65

66

67

68

69

Year

Años

FIG. 63 - NICARAGUA

Kg./capita

8.4

8.2

8.0

7.8

7.6

7.4

7.2

7.0

$$Y = 7.9721 - 0.1318 X$$

$$R^2 = 0.6751$$

60

61

62

63

64

65

66

67

68

69

Year

Años

$$(Y = 8.105 - 0.2659 X)$$

$$(R^2 = 0.9970)$$

FIG. 64 - PANAMA

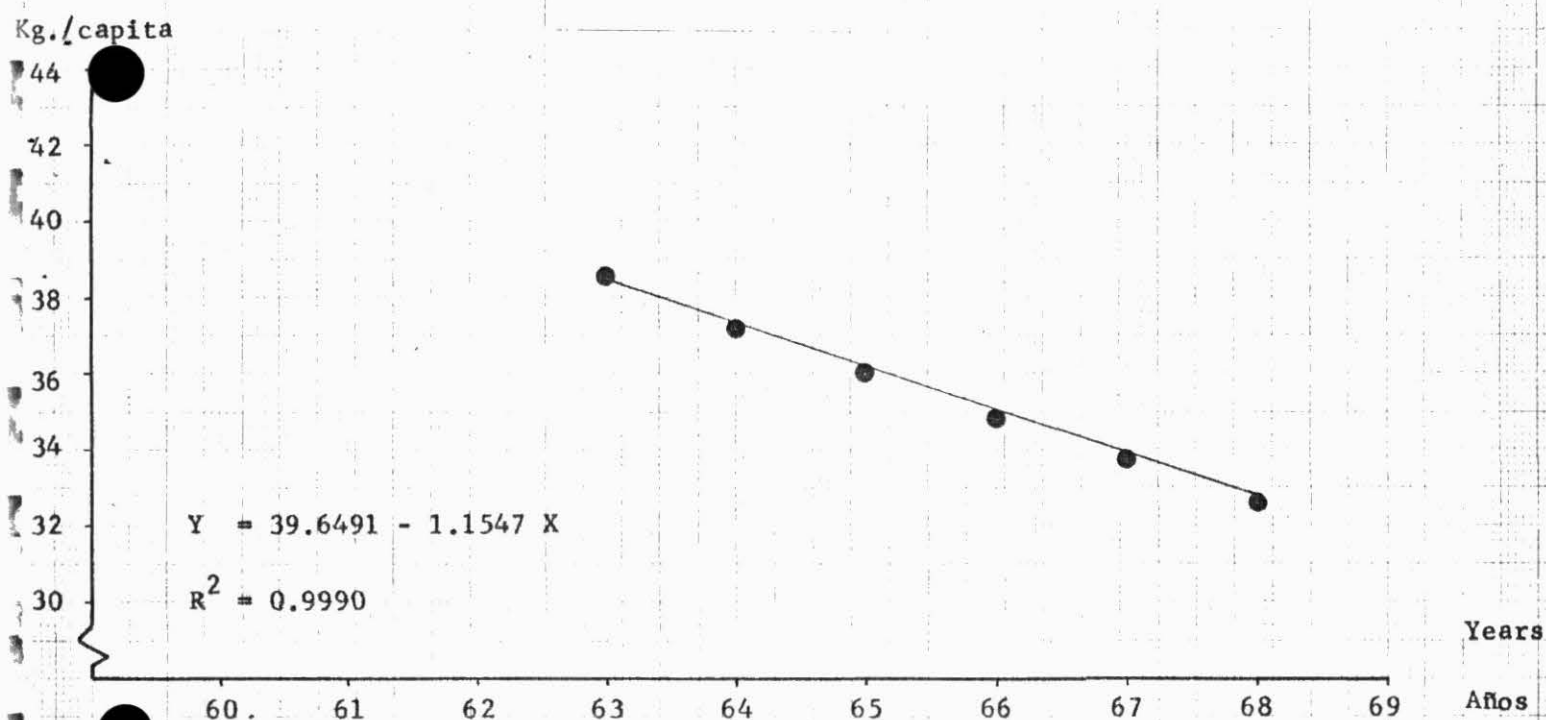


FIG. 65 - PUERTO RICO

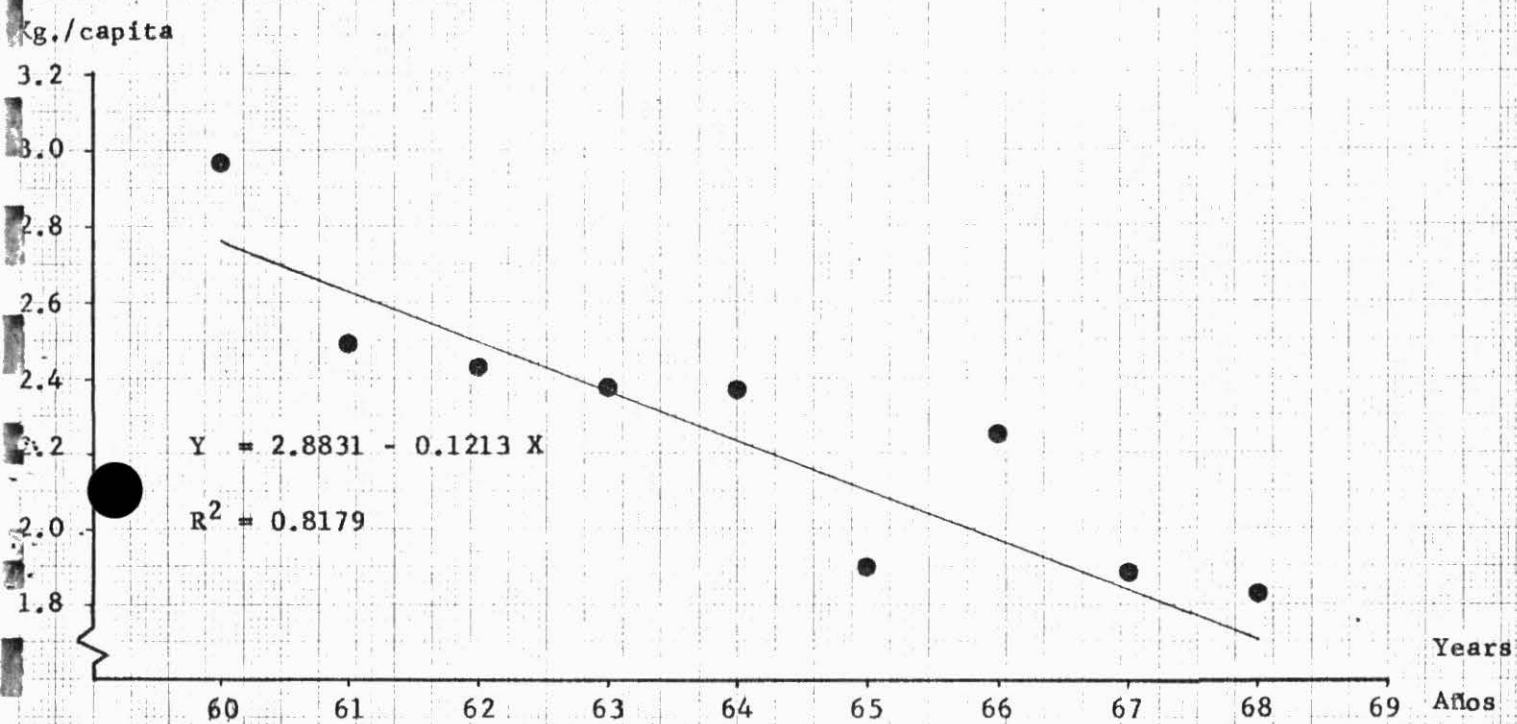
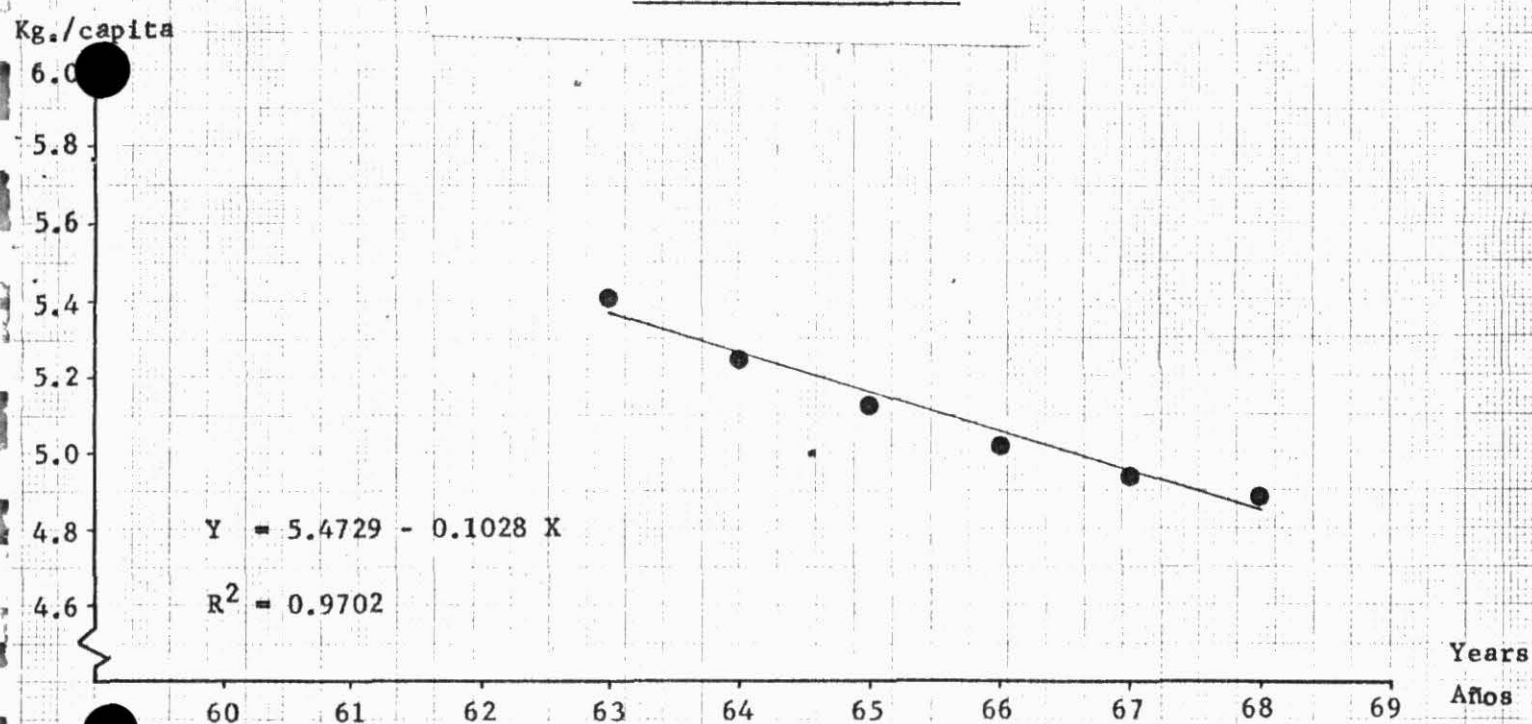


FIG. 66 - TRINIDAD & TOBAGO
TRINIDAD & TOBAGO



O C E A N I A

FIG. 67 - FIJI

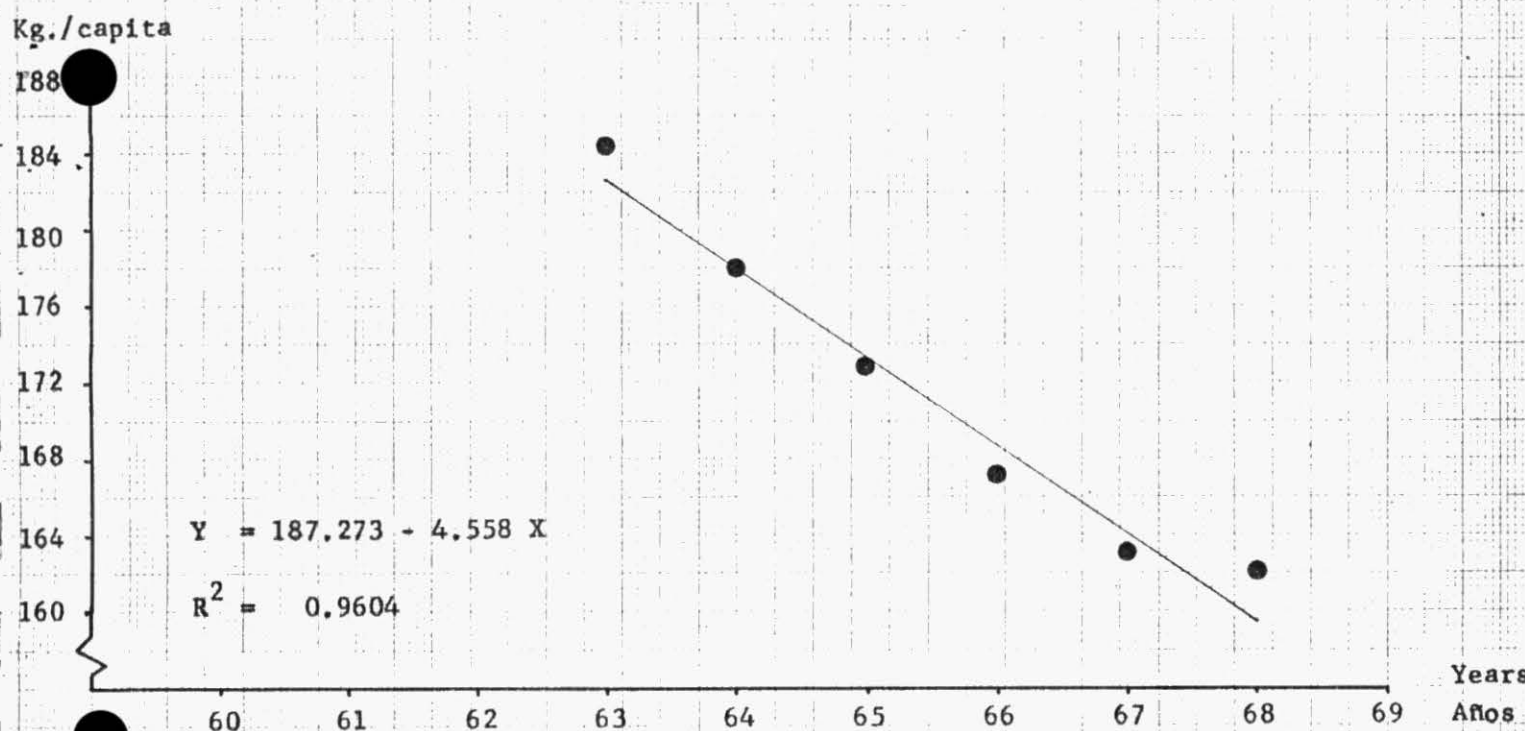
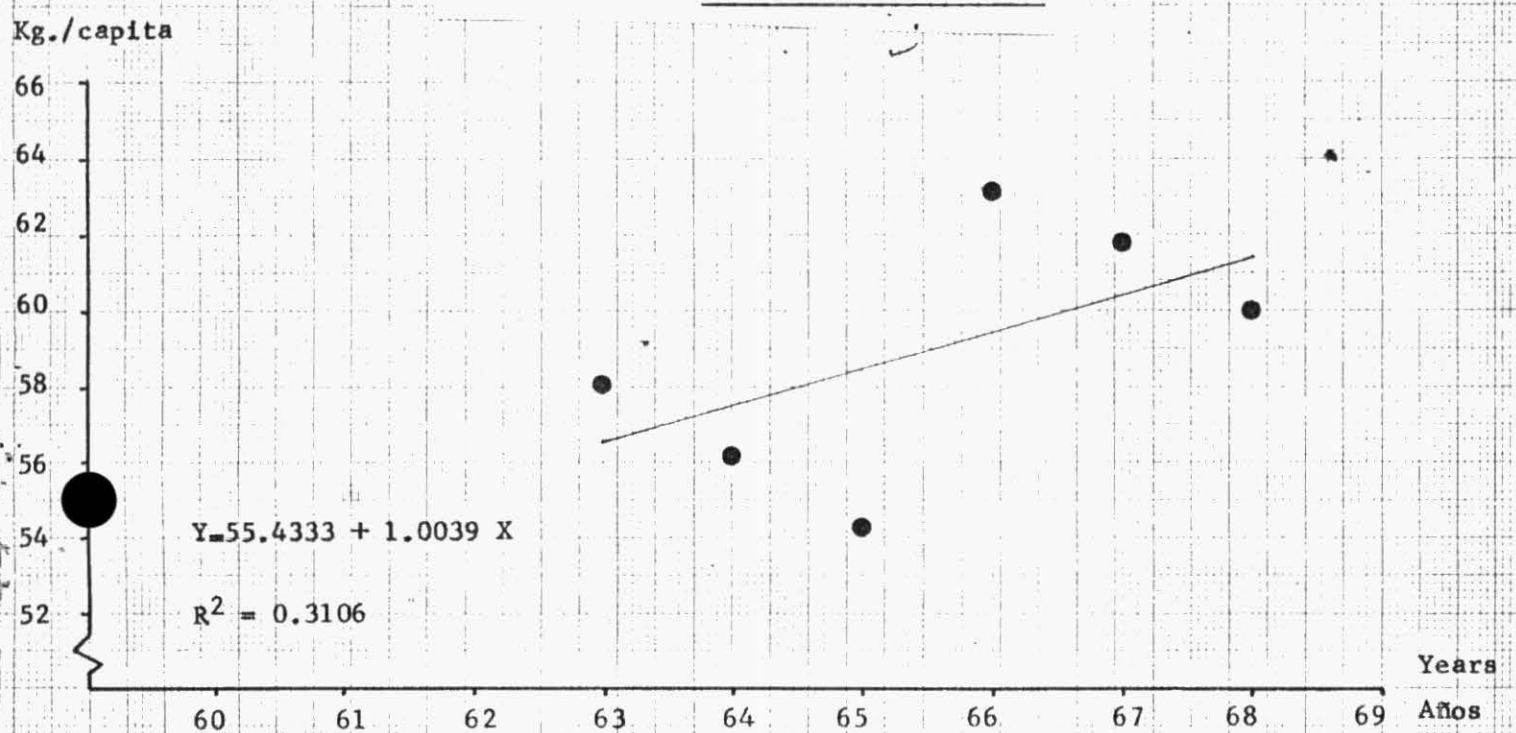
FIG. 68 - FRENCH POLYNESIA
POLINESIA FRANCESA

FIG. 69 - NEW CALEDONIA
NUEVA CALEDONIA

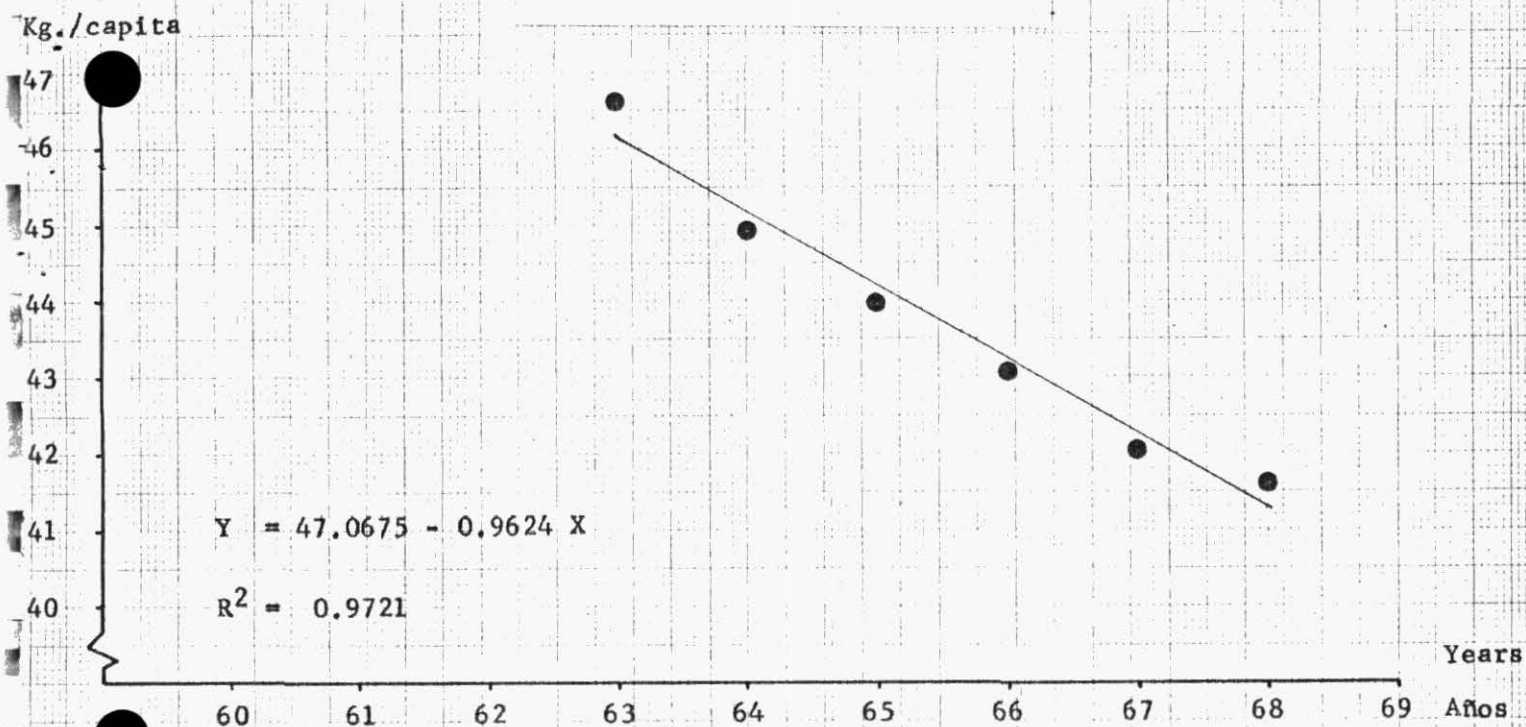
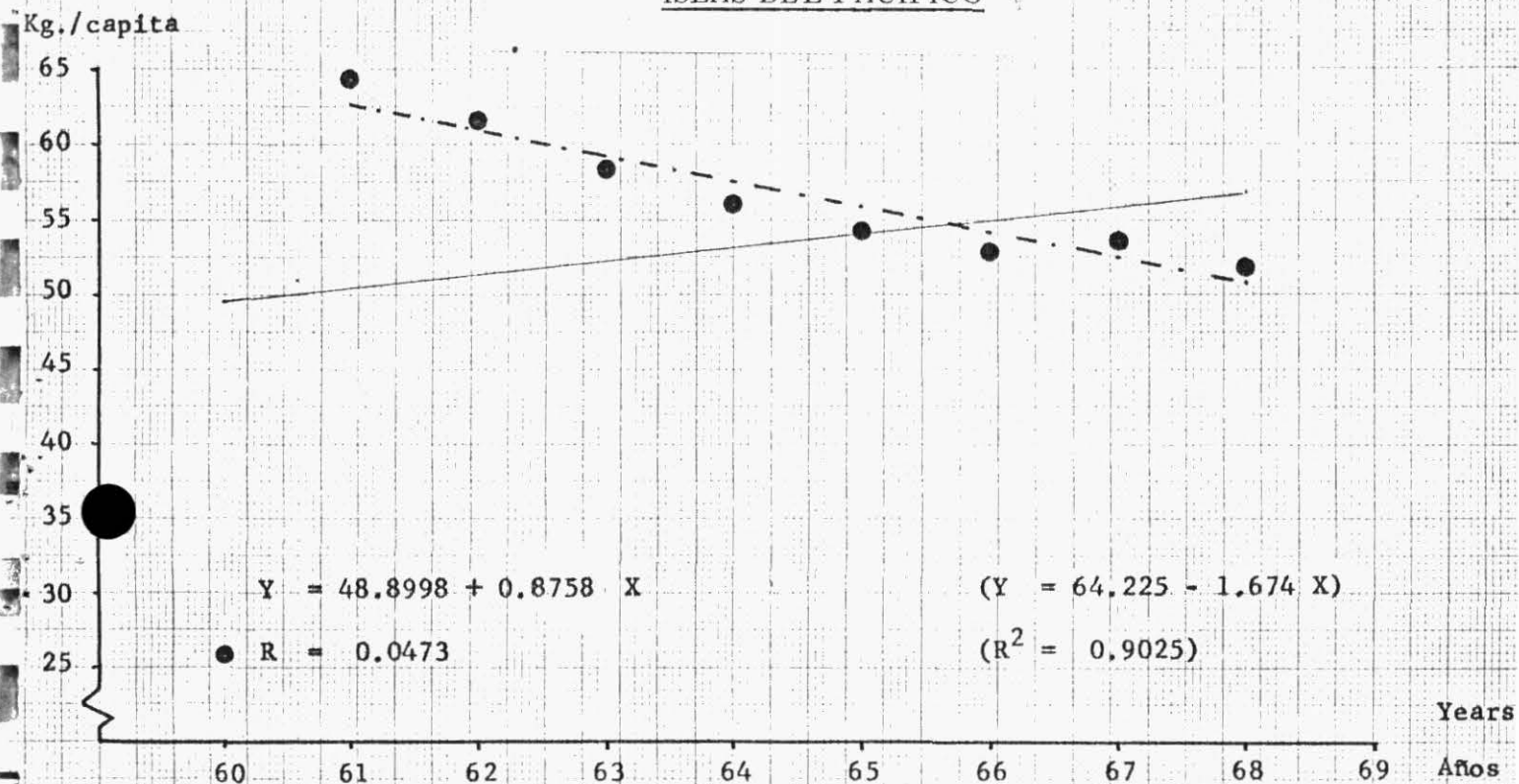


FIG. 70 - PACIFIC ISLANDS
ISLAS DEL PACIFICO



SOUTH AMERICA

AMERICA DEL SUR

FIG. 71 - TONGA ✓

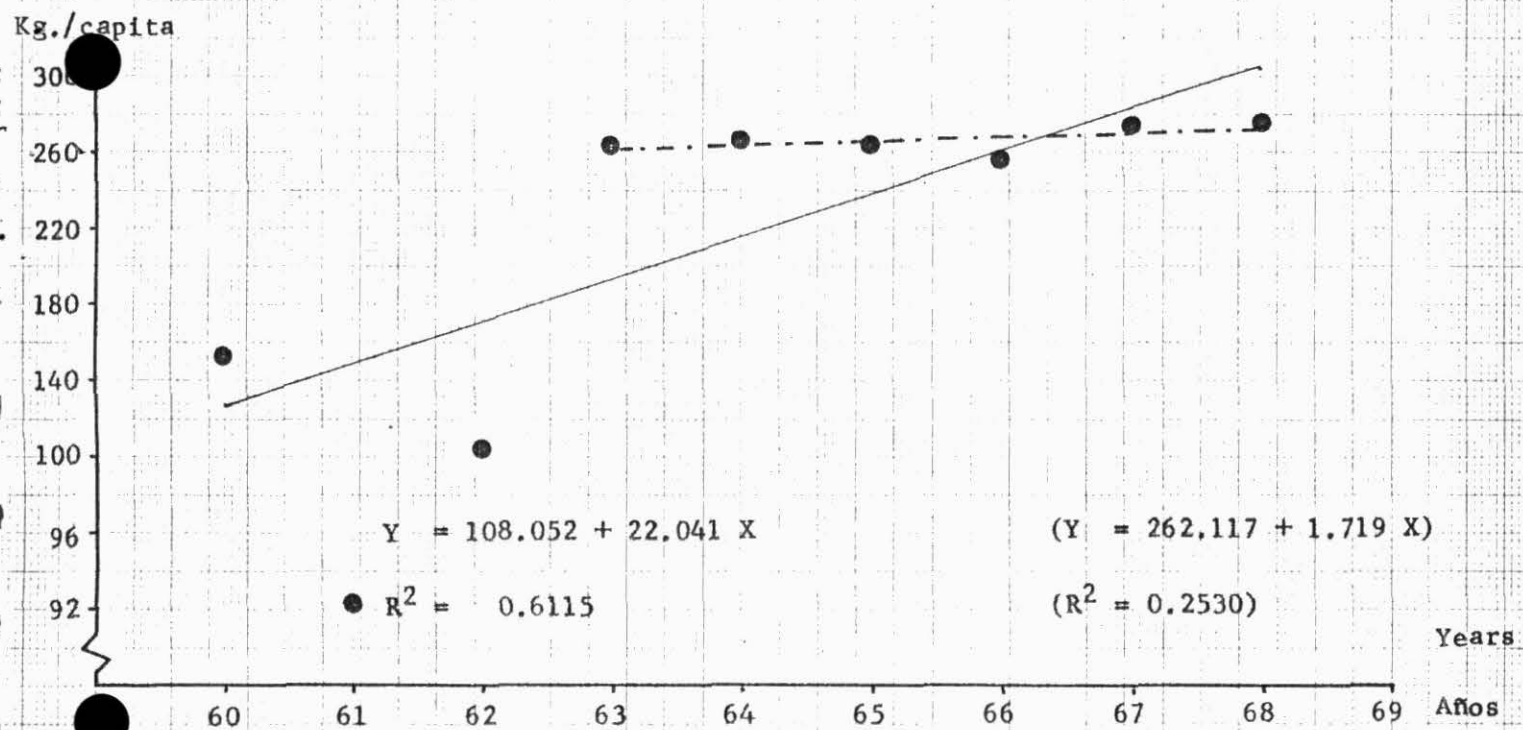


FIG. 73 - BOLIVIA

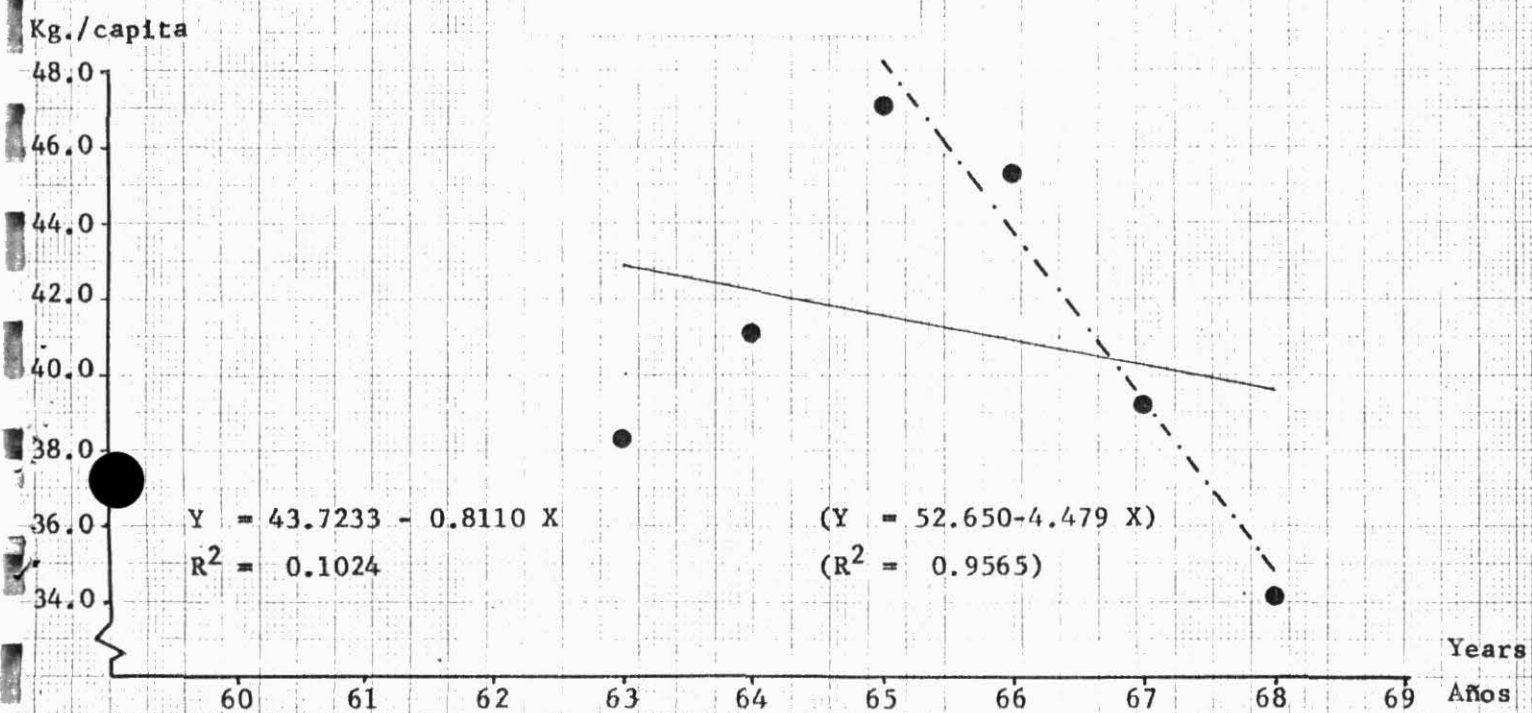


FIG. 74 - BRAZIL
BRASIL

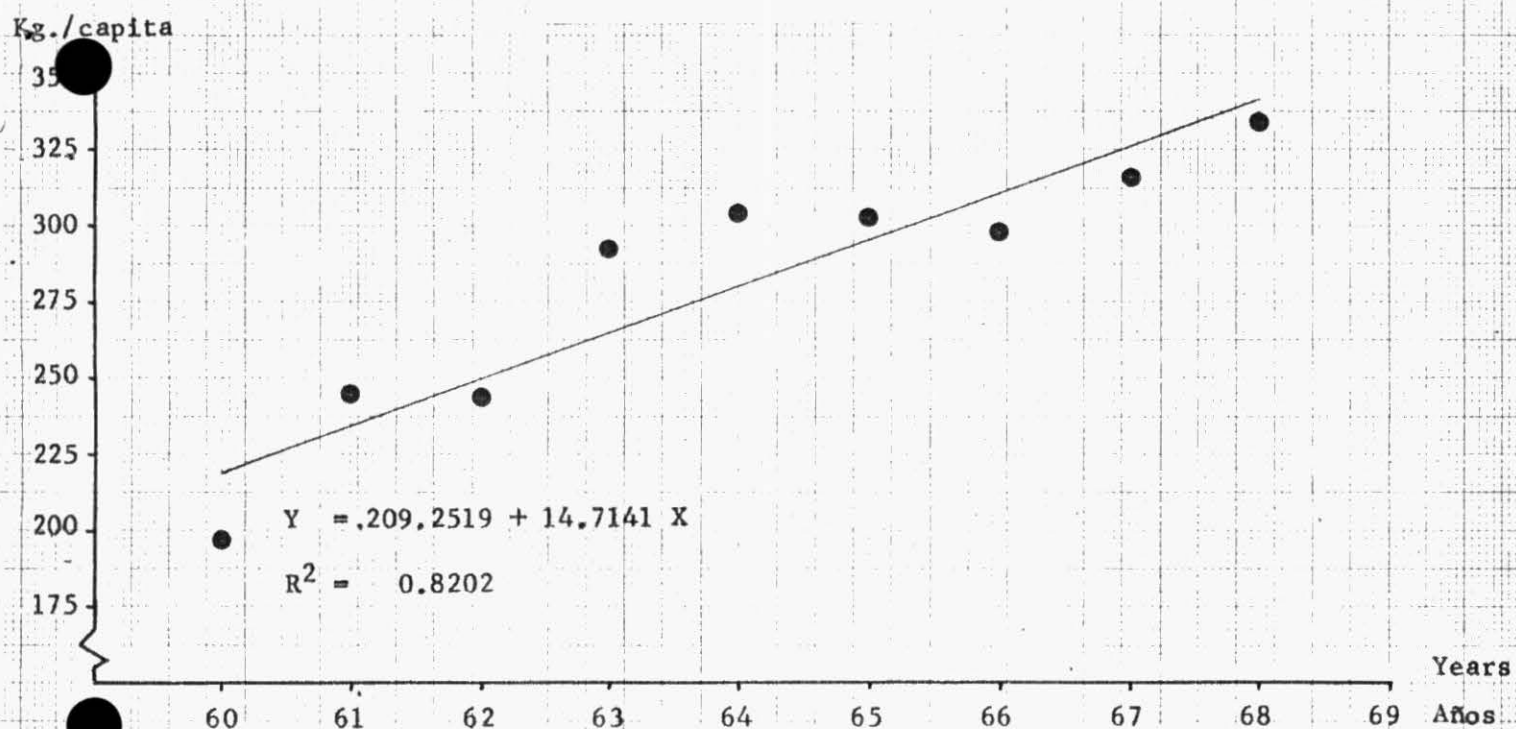


FIG. 75 - COLOMBIA

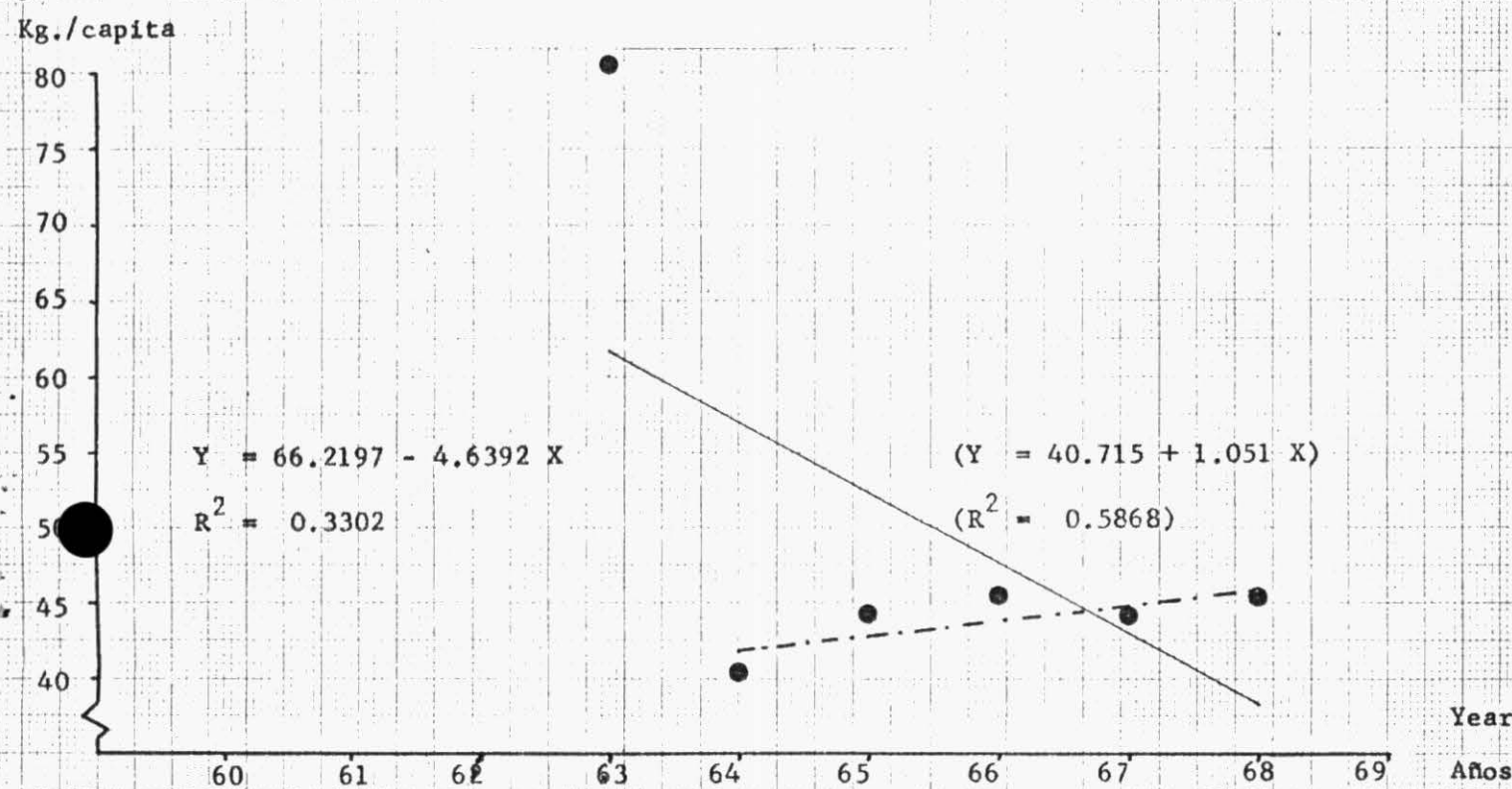
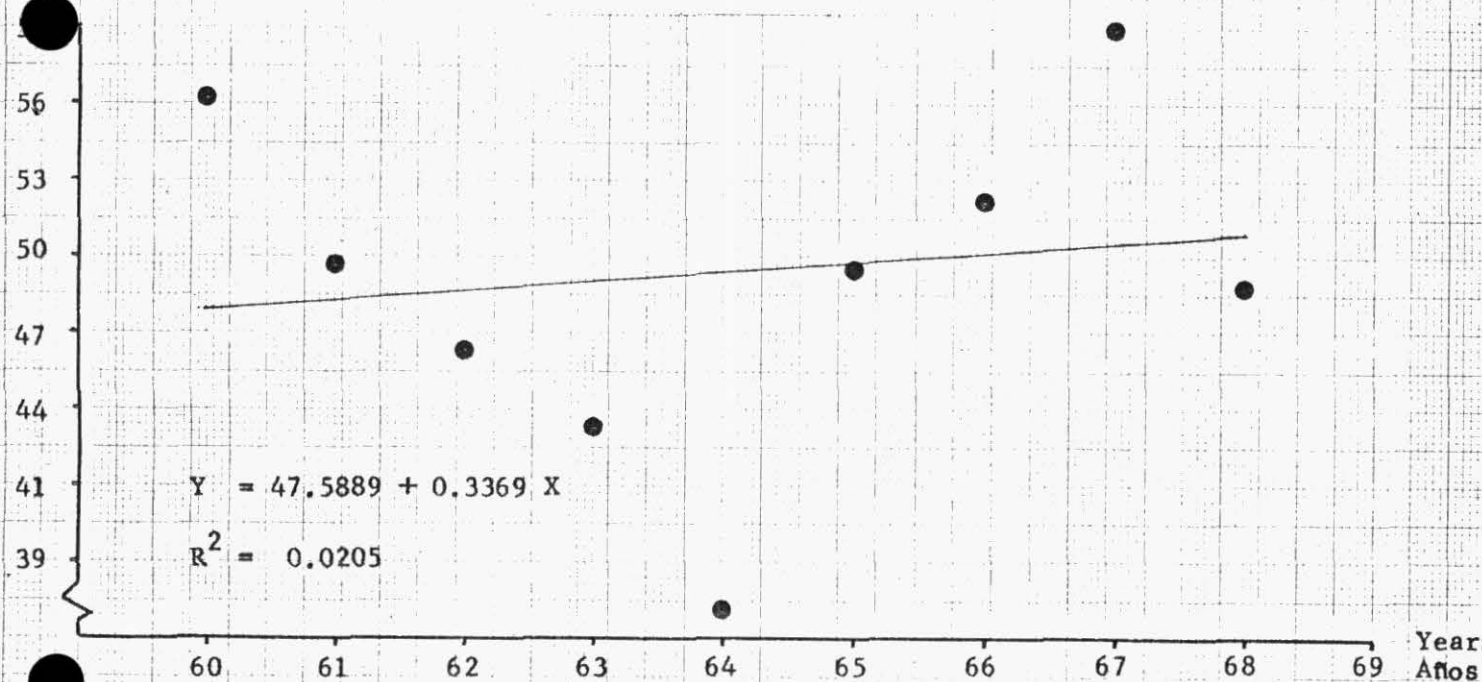


FIG. 76 - ECUADOR

Kg./capita

FIG. 77 - FRENCH GUIANA
GUAYANA FRANCESA

Kg./capita

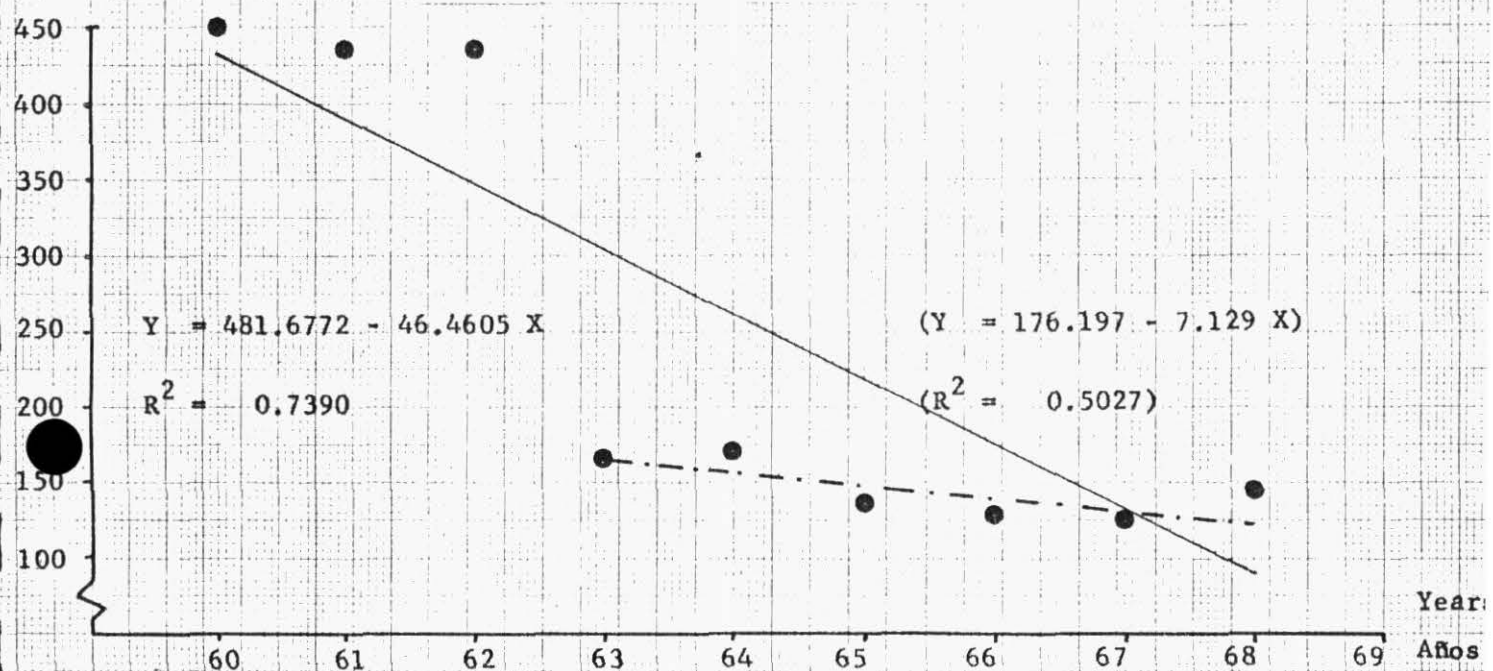


FIG. 78 - GUYANA

Kg./capita

16.0
15.8
15.5
15.2
14.9
14.6
14.3
14.0

$$Y = 16.7733 - 0.4321 X$$

$$R^2 = 0.9928$$

60 61 62 63 64 65 66 67 68 69 Años

Years

FIG. 79 - PARAGUAY

Kg./capita

760
730
680
650
620
590
560
530

$$Y = 510.261 + 23.985 X$$

$$R^2 = 0.5256$$

$$(Y = 761.471 - 19.350 X)$$

$$(R^2 = 0.7921)$$

60 61 62 63 64 65 66 67 68 69 Años

Years

FIG. 80 - PERU

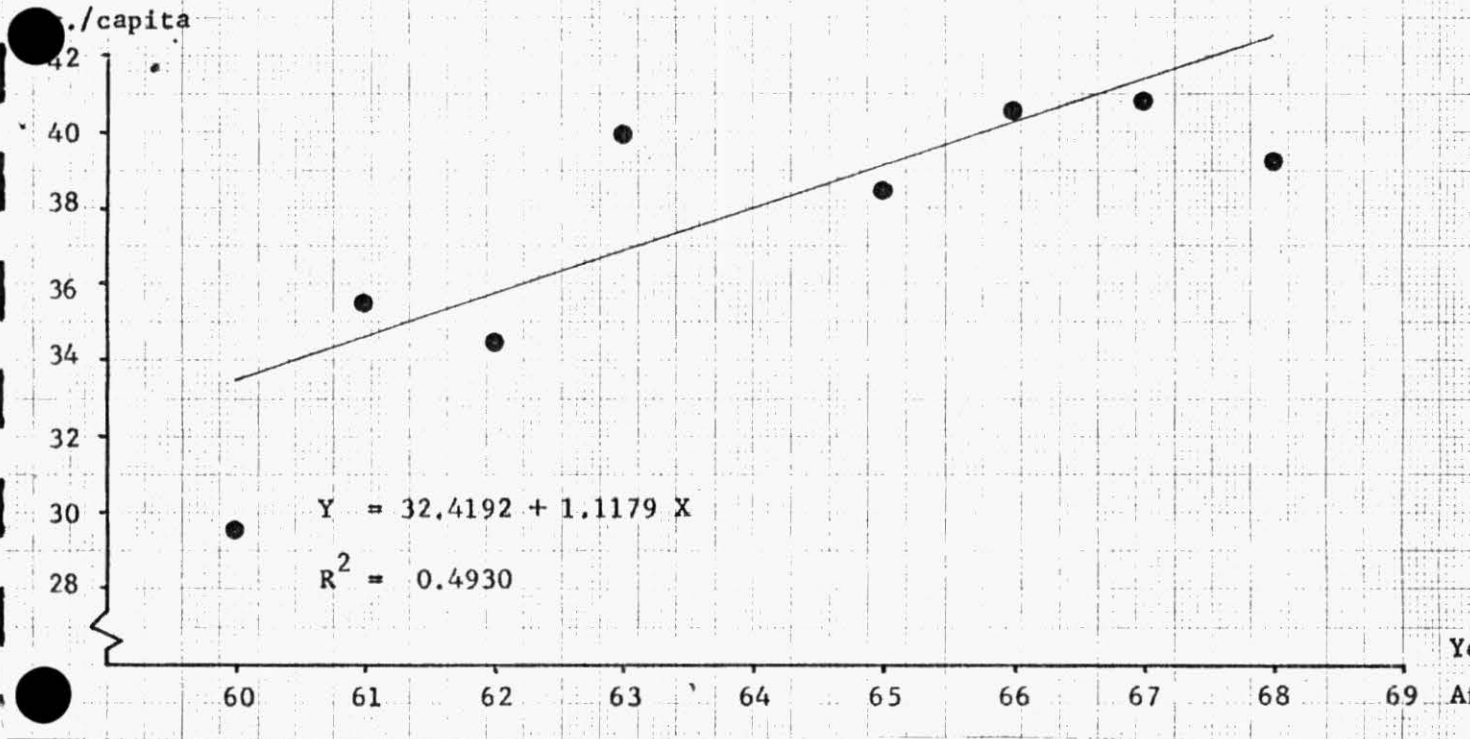


FIG. 81 - SURINAM

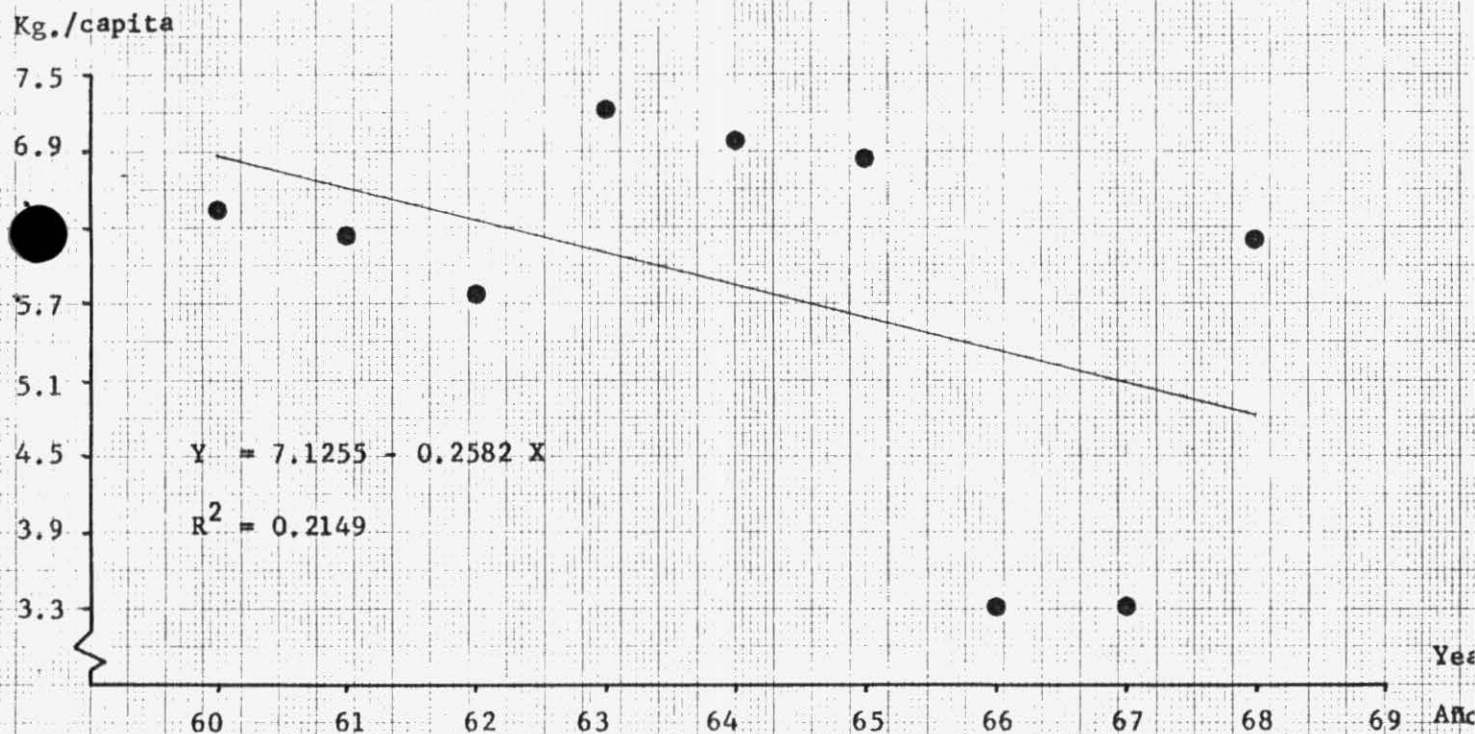


FIG. 82 - VENEZUELA

