

- A subprogram was created in 2001 specifically for partners in Argentina (INTA), Rio Grande do Sul - Brazil (IRGA) and Uruguay (INIA).
- The program aims to develop elite materials to serve as source of new varieties with high yield potential, acceptable quality, disease resistance, incorporating cold tolerance in different development stages.

## **Program Activities**

- Characterization of parents for cold environments.
- An average of 300 triple crosses per year.
- Evaluation and selection of parents and segregants for cold tolerance under controlled conditions.
- Supply of segregating populations and lines to member countries.
- Other objectives of the program include: (a) Introduction of tolerance to Fe toxicity, (b) Tolerance to conditions causing straighthead, (c) Resistance to Piricularia.

## **Results**

- The program has provided its partners with genetically diverse materials: 571 potential progenitors, 446 fixed lines and 4242 segregating populations in a continuous annual flow.
- The materials produced are tolerant to cold under controlled conditions and have long and slender grain with high amylose content.
- Argentina and Uruguay have lines selected from FLAR material already included in official evaluation trials. In Brazil there are lines in advanced yield evaluation trials.





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