

#43CRC-20 Non-GMO specialty soybean varieties



Access and exploitation of market niches in agricultural specialty production is an ineluctable challenge for diversification of an agrifood sector based on production and exports of commodities. In the case of soybean, there is growing demand for new genetic material that incorporates special biological characteristics to enhance intrinsic quality, differentiation, traceability, added value and labor generation in the territories.

In order to fulfill this need, **the Soybean Genetic Improvement Group from INTA Marcos Juárez and Paraná developed non-GMO genetic varieties with characteristics that enhance the intrinsic quality of grains while sustaining the balance in yield potential**, in order to respond to specific demands of national agro-industry and international markets.

ADVANTAGES:

- Increased milling yields, due to larger grain sizes and less hull.
- Clear hilum that provided better visual quality of meals and concentrates.
- Higher protein content ($\geq 42\%$ ps), which facilitates processing of protein concentrates.
- Better digestibility due to activity reduction of the antinutritional Kunitz factor (KTI) and improved palatability due to the absence of lipoxygenase.

TECHNOLOGY READINESS LEVEL:

TRL9: Technology registered in the National Seeds Institute (INASE) and the National Registry of Cultivar Property (GNPC). Materials are transferred for production and marketing, by way of research and development agreements with non-exclusive licensing.

CNVTyRI - INTA
Technology Advancement Assistant -
CR Córdoba: Lic. José Gaiero
gaiero.jose@inta.gob.ar
Technology Antenna: Dr. Mariana Nanni
nanni.mariana@inta.gob.ar



Ministerio de Agricultura,
Ganadería y Pesca
Presidencia de la Nación