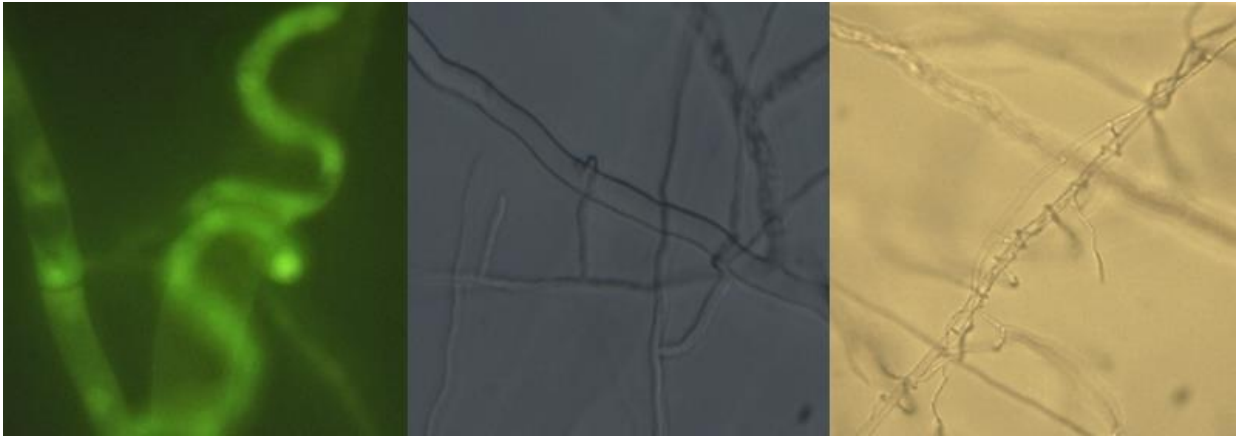


#64-20-MZA

Technology

Bio-input

Fungal Bio-Input Liquid Formula to Control Seed Fungal Pathogens



Natural Resources Research Center of Argentina (CIRN)

Research Center for Agricultural and Veterinary Sciences (CICVYA)

Institute of Agricultural Microbiology and Zoology (IMYZA)

CiRN/CICVyA IMYZA Rodrigo Rojo Laura Gassoni Work Group: Fungal inputs

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#biocontrol | #Trichoderma harzianum | #liquid | #wheat | #soy | #rice | #barley | #fungal pathogens | #phytopathology

Agrochemicals are presently used as pesticides or fertilizers. Nevertheless, their persistence, distribution and accumulation through the soil, water, air and trophic chains cause environmental issues and impact human health. Total or partial replacement of agrochemicals with biological products are a solution to such issues.

This liquid biological product is based on the *Trichoderma harzianum* fungus, which controls pathogens that affect barley, wheat, rice and soy crops. Additionally, it improves the standard of plants grown in the field, inhibiting the growth of pathogens, promoting plant growth and increasing the length, volume and/or dry weight of the roots and aerial parts of seedlings.

Environmentally friendly.

Complements chemicals.

Provides protection of seeds and promotes plant health.

Liquid formula facilitates quality control and application.

Estimations indicate that the worldwide market for plant protection products amounts to 55 - 60 billion dollars, out of which 5 billion dollars would accounts for biological products. By 2025, turnover for biological products is estimated at 11 billion dollars. The size of the Argentine market for plant protection products amounts to 2.8 billion dollars and only 5% accounts for biological products. Worldwide, the growth in the adoption of biological products is expected to reach 12-17% in forthcoming years, and the Argentine market of biological products is also expected to grow. *Rizoderma* is a product aimed at the regional market, with global market potential, since it is applied in crops of high economic importance like wheat, soy and rice.

Transferred product

ROJO RODRIGO

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INTA Castelar

COMMERCIAL NAME OF THE PRODUCT: RIZODERMA

LICENSEE/MARKETING COMPANY: RIZOBACTER ARGENTINA S.A.

Company in charge of disseminating the commercialization of this product: INTeA

INTA owns the technology and the company Rizobacter Argentina S.A. is the exclusive license holder to produce and market the product. The company registered with SENASA under Registration Number 38004, whose active ingredient is *TRICHODERMA HARZIANUM Th2*. It is approved for barley, wheat, rice, soy crops and application in organic production.

Transferred product

INTA-Rizobacter Research and Development Agreement N° 1995