



# #42MZA-20 Growth-stimulation inoculant in extensive crops under water stress conditions

Global **climatic change** accelerates the concurrence of **abiotic and biotic stresses**, which considerably **affects agricultural productivity**. In order to **increase drought tolerance**, the role of microbial biotechnology is a considerable growth contribution for crops under adverse conditions. In this scenario, the use of **Plant Growth-Promoting Rhizobacteria** is an **effective and ecological alternative** in **sustainable production systems**.

The **INTA Agricultural Microbiology and Zoology Institute** developed an inoculant formula for foliar application whose objective is to stimulate growth and mitigate water stress in extensive crops, promoting greater yields and productivity in the sector.

## ADVANTAGES:

- ✓ **Foliar inoculant for extensive crops**
- ✓ **Capacity to stimulate growth and mitigate water stress**
- ✓ **Native strains of *Azospirillum brasilense***

## TECHNOLOGY READINESS LEVEL:

Native strains of *A. brasilense*, non-transgenic, identified and characterized, with proven capacity to stimulate growth and mitigate water stress in relevant agronomic crops. Laboratory and field tests have been completed. Requires specific formulation, scaling and marketing.

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