

NoduMax Inoculant for Soybeans

Advanced Soybean Inoculation Solution for Sustainable Agriculture

This technology is a solid inoculant, which contains the industry-standard strain USDA 110 and includes a gum Arabic adhesive and user instructions. It is packed in 100 g packets sufficient for 10 to 15 kg soybean seed.



✓ This technology is **TAAT1 validated**.
7-7
Scaling readiness: idea maturity 7/9; level of use 7/9

Gender assessment 👍 4

Climate impact 👍 7

- ### Problem
- Poor Root Nodulation and Low Biological Nitrogen Fixation (BNF) in Soybeans
 - Lack of Quality Inoculant in the Market
 - Limited Access to Affordable Inoculants in African Countries
 - Complex Application Procedures
 - Lack of Protein Sufficiency and Soil Fertility in Soybean Production
 - Clumping in Alternative Inoculation Methods

- ### Solution
- Promotes biological nitrogen fixation, reducing the need for expensive nitrogen fertilizers.
 - Ensures the presence of symbiotic rhizobium bacteria, optimizing root nodulation for improved nutrient absorption.
 - Enhances BNF, thereby boosting soil fertility and reducing reliance on synthetic fertilizers.
 - Promotes natural nutrient cycling in the soil, contributing to sustainable agricultural practices.

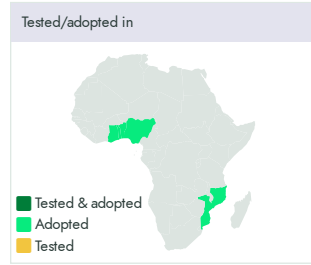
- ### Key points to design your project
- Implementation steps for the technology include assessing product quantities, considering delivery costs, and engaging trainers for installation support.
 - Communication support, such as flyers, videos, and radio broadcasts, should be developed to promote the technology.
 - For improved maize variety optimization, companion planting with resistant soybean varieties and proper nutrient fertilization is recommended.
 - Collaboration with agricultural development institutes and agro-dealers facilitates successful technology implementation.

Technology originally documented by **ProPAS**

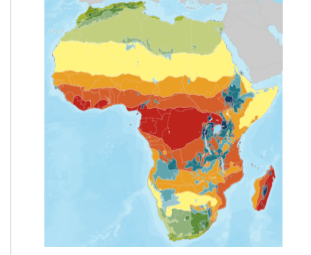
Commodities
Soybean

Sustainable Development Goals

Categories
Inputs, Inoculant



Where it can be used
This technology can be used in the colored agro-ecological zones.



Target groups
Farmers

Cost: \$\$\$ 3.20 USD For the purchase of 100g	ROI: \$\$\$ 1 USD Profit per unit for retailers
150,000 USD To build the NoduMax factory	120,000 USD To equip the NoduMax factory
	💡 IP Unknown

