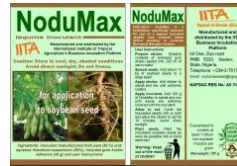


NoduMax: Inoculant for Soybeans

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.



International Institute of Tropical Agriculture (IITA)
David Ojo

Technology from

[ProPAS](#)

Commodities

Soybean

Sustainable Development Goals



Categories

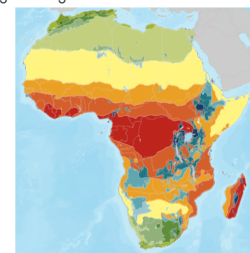
Inputs, Inoculant

Tested/adopted in



Where it can be used

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



Target groups

Farmers



This technology is **TAAT1 validated**.



Scaling readiness: idea maturity: 7/9; level of use: 7/9

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



Unknown

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 business plan

This technology is beneficial for three main groups: manufacturers, resellers, and end users (farmers).

Producing and selling NoduMax technology offer a cost-effective and sustainable solution for farmers, empowering diverse communities and contributing to global health and wellbeing. Using NoduMax ensures efficient and sustainable farming, boosting yields and soil health, while reducing reliance on expensive fertilizers.

Gender assessment



Climate impact



NoduMax

<https://taat.africa/jqr>

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