

NODUMAX LEGUME INOCULANT FOR SOYBEANS

Biofertilizer for soybean growth

TECHNOLOGY / SOLUTION



Nodumax is a biofertilizer specifically intended for use as a legume inoculant applied onto soybean seeds before planting to promote Biological Nitrogen Fixation. It is a peat-based inoculant ensuring that legume rhizobium symbioses is present, resulting in improved root nodulation and high rates of biological nitrogen fixation (BNF). Nitrogen fixation reduces the need for costly nitrogen fertilizers.

The product is packed in 100 g packets sufficient for coating 10 to 15 kg of soybean seeds.



PROBLEM / ISSUE SOLVED

- Low crop productivity of most legume crops such as Beans and Soybeans
- High African dependency on imported nitrogen fertilisers
- High cost of imported fertilisers

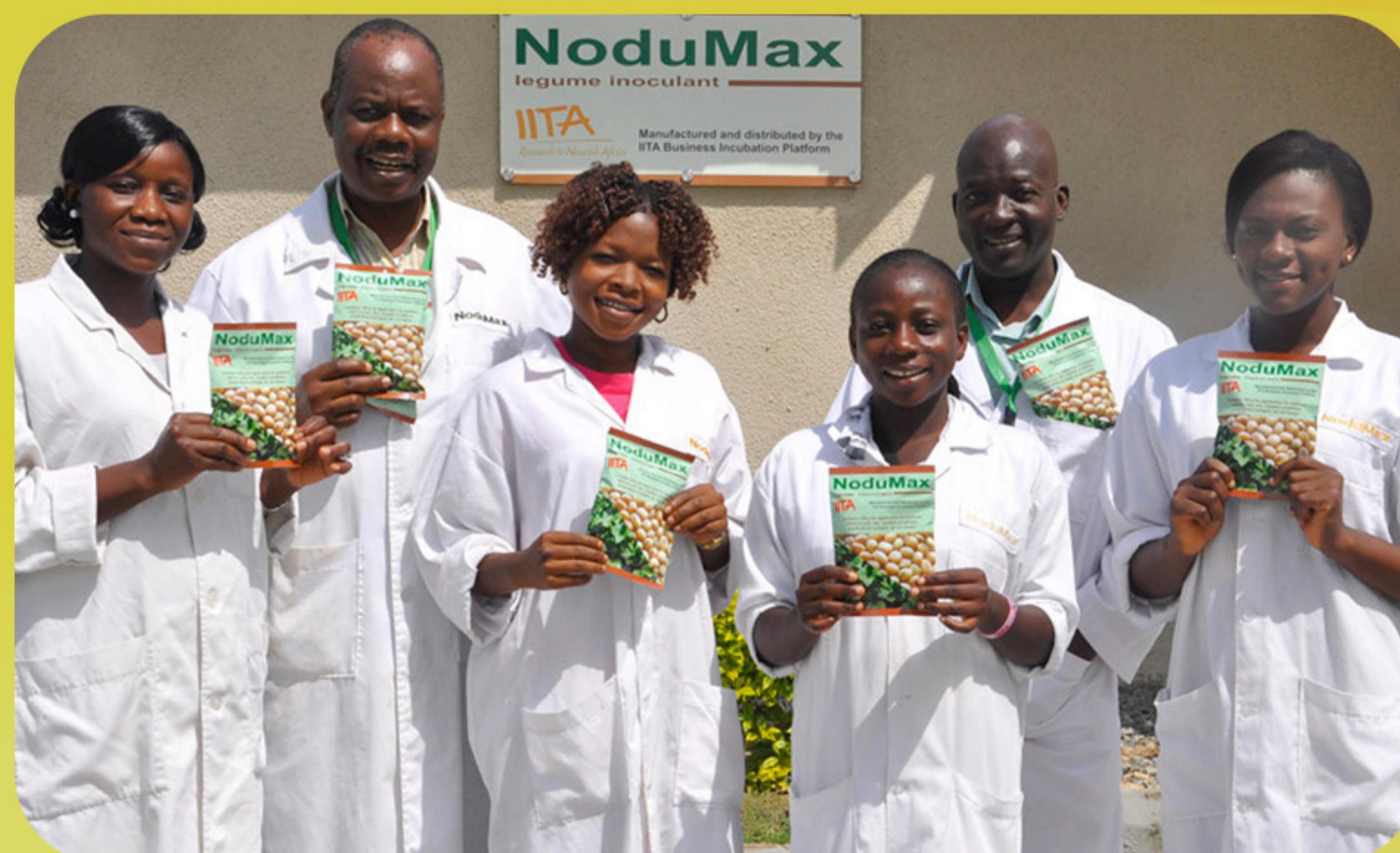


GOOD FOR Manufacturers of Bio Fertilizer



BENEFITS

- ✓ Specially made for soybean
- ✓ Enhances access and fixation of nitrogen from the air
- ✓ Very low cost and readily available
- ✓ Use increases yield by an average of 30-45%
- ✓ Environmentally friendly



Soil fertility
 management
 Speciality



Soybean
 Commodity

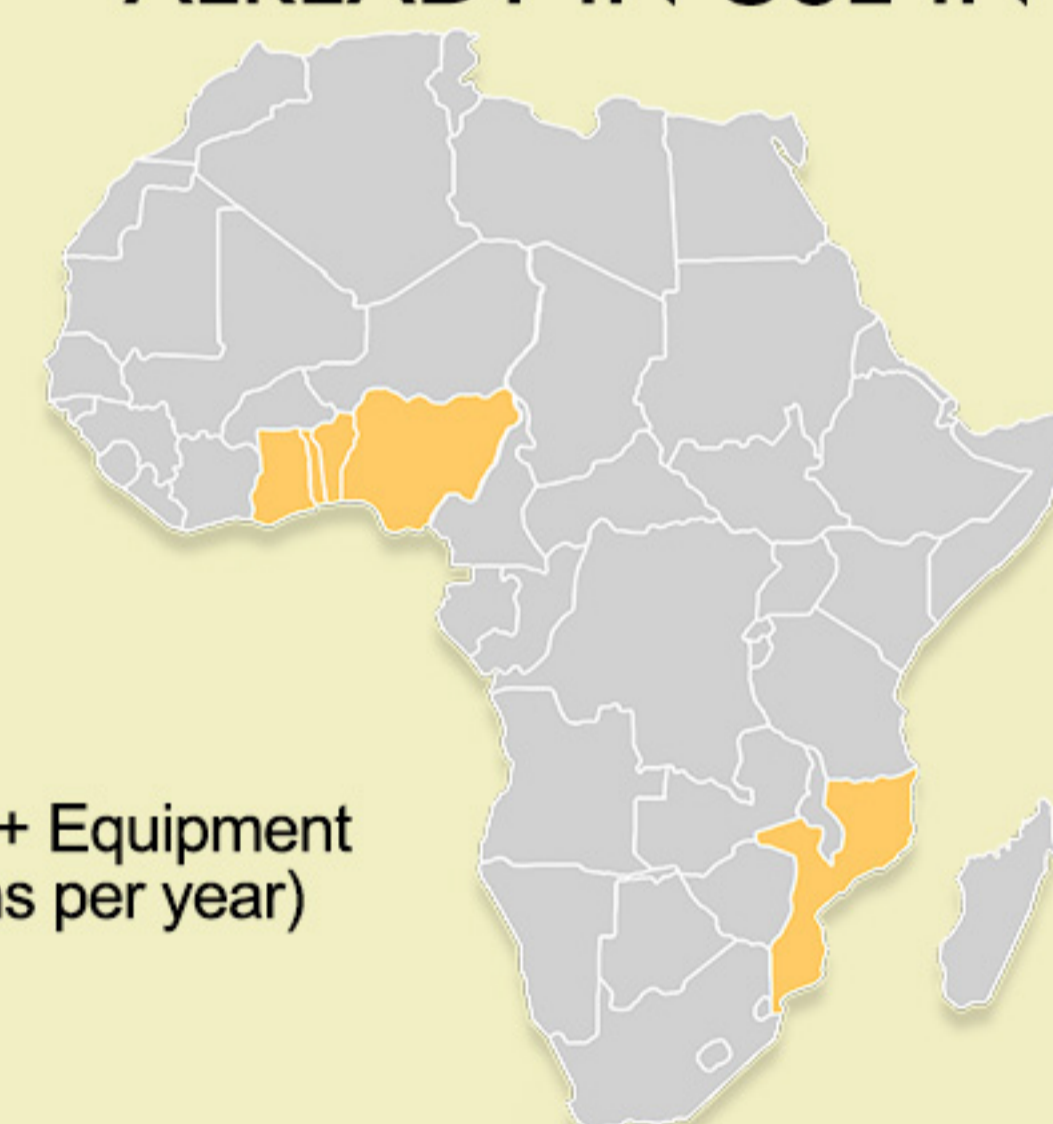


US\$ 270,000 (Construction + Equipment
 cost for production capacity of 16 tons per year)
 Initial investment



US\$ 0.75 - 1 profit
 per unit (100 g packet)
 Added value

ALREADY IN USE IN



Bénin, Ghana, Mozambique,
 Nigeria, Togo

HOW DOES IT WORK?

Production of inoculants requires industrial microbiological facilities and an experienced microbiologist. Stock cultures are cryopreserved and tested for viability and purity. Cultures are grown in yeast-mannitol extract broth in aerated fermenters. The media was placed in a thin plastic bag and sterilized. Aseptic conditions are required for mixing the maturation broth and the carrier. After maturation at low humidity, the product is double wrapped for protection during shipping and storage.

