



SEED DRESSING OF COMMON BEAN WITH FUNGICIDE AND INSECTICIDE

Optimize your bean production



TECHNOLOGY / SOLUTION

The seed dressing technique with fungicides and insecticides protects the common bean production from fungal diseases and insect pest attack using a reasonable amount of specific precision pesticides against these attacks.

Control agents for seed dressing are sold in both liquid and dry formulations. One of the products used is Syngenta's APRON STAR®, a mixture of fungicide and insecticide for controlling fungal diseases.



PROBLEM / ISSUE SOLVED

- Large yield losses in common bean by fungal diseases and insect pest attack
- Small gains in common bean yield despite an increase of the cultivated area
- Increased cost of production due to excessive use of pesticides
- Destruction of planting material stocks due to the dwelling of pests in seeds
- Environmental degradation through excessive use of pesticides



GOOD FOR
Seed coating Manufacturer
Local agro-input dealers
Common Bean Farmer



BENEFITS

- ✓ It doesn't require specialized equipment
- ✓ It can be easily performed at farm level and in small factories and can be used in all major production areas of common bean
- ✓ It enhances the precision and effectiveness of crop protection while reducing the required dosage and associated costs per land area
- ✓ The benefits of the coating continue for about three weeks after planting

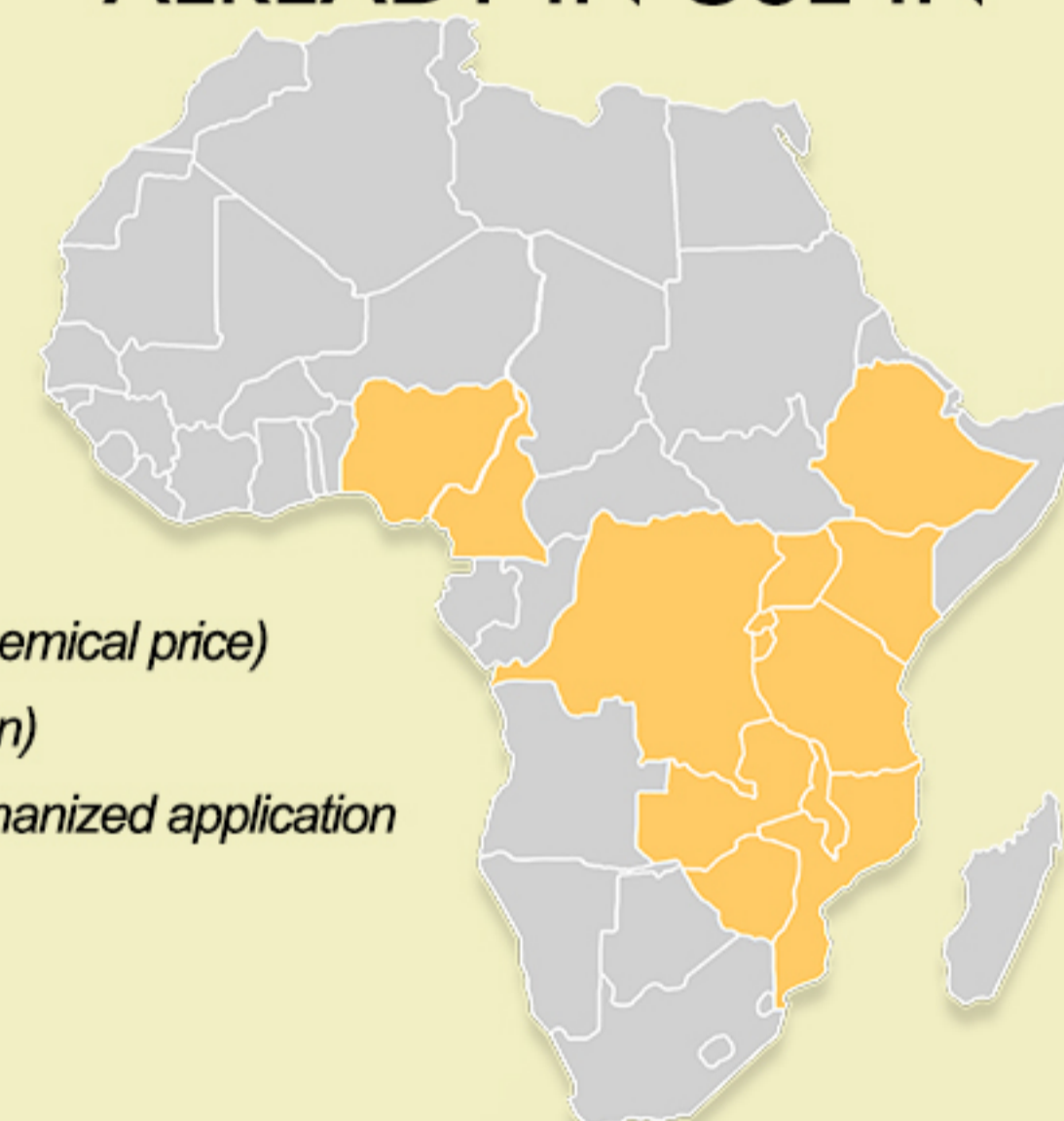


Insect, disease control
Speciality

ALREADY IN USE IN



Beans
Commodity



US\$0.5 - \$1 / kg of seed (chemical price)
US\$50 (equipment for manual application)
US\$500 - \$2000 (equipment for mechanized application)
Purchase price



70% (Percentage reduction of common bean yield losses)
Added value

Nigeria, Ethiopia, Democratic Republic of Congo, Tanzania, Kenya, Uganda, Mozambique, Cameroon, Malawi, Zambia, Zimbabwe, Rwanda, South Sudan, Burundi

HOW DOES IT WORK?

Weigh the bean seeds to determine the amount of chemical needed. Thereafter, apply liquid formulations directly, add adhesives for dry formulations. Seed dressings can be carried out manually using common containers or mechanically in mixers and hoppers.

Follow specific recommendations for soil preparation, spacing and fertilization in the growing area.

