

# XPLORER

Mycorrhizal consortia

## CONSORTIUM OF MYCORRHIZAE



### KEY BENEFITS

- Allows plants to draw more nutrients P, Zn, Cu, N and water from the soil
- Results in vigorous and healthy plant growth
- Accelerates rooting
- Increases plant survival
- Increases drought tolerance and other stresses
- Enhances flowering and fruiting
- Better yields
- Reduces soil erosion

### COMPOSITION

- Xplorer comprises of three different spp. of *Mycorrhizal Fungi* which can associate with wide range of cultivated crops
- *Mycorrhizal Fungi* (MF) colonize the plant's root system and develop a symbiotic association called a 'Mycorrhiza'
- Forms a network of filaments that associate with plant roots and draw nutrients and water from the soil which the root system would not be able to access otherwise



plantbiotix

### SHELF LIFE

2 years from the date of manufacturing

### PACKAGING

4 kg

# HIGHER UPTAKE OF NUTRIENTS - A KEY TO PROSPERITY



## MODE OF ACTION

- MF hyphae penetrate the cortical cell wall to form the arbuscules within the cell, it does not penetrate the plant plasma membrane and this extends to surround the arbuscules
- MF also maintains external mycelia which ramify out into the soil
- MF external hyphae facilitates uptake from nutrient pools not normally available to plants
- Glomalin, a glycoprotein produced by AMF hyphae which has a cementing capacity to maintain soil particles together, is mainly involved in soil aggregation



## RECOMMENDED CROPS

**Fruit** - Grapes, Pomegranate, Banana, Citrus, Mango, Papaya, Strawberry

**Vegetables** - Tomato, Potato, Brinjal, Capsicum, Chilli, Onion, Cucumber, Gourds, Okra, Melons

**Cash Crops** - Cotton, Sugarcane, Tobacco

**Flowers** - Roses, Gerbera, Carnation, Marigold, Chrysanthemum, Tuberose

**Cereals** - Maize, Rice, Wheat, Oats

**Pulses** - Peas, Soybean, Green Gram, Black Gram

**Oilseeds** - Groundnut, Sunflower



**APPLICATION RATE:** 4 kgs / acre

## DIRECTION FOR USE / SOIL APPLICATION

### Broadcasting

Mix the recommended quantity of bio-products in 50 kg well decomposed FYM / Compost and broadcast in the field before last interculturing operations before sowing.

