



# Zytonic M<sup>®</sup>

Mycorrhiza Based Bio-Fertilizer



**Zytonic**<sup>®</sup>

**Sustainable farming for nutritious, safe and affordable food for all**

**For All Crops**



**Available in 2, 5 & 15 kg packs**

## Features

### Early & increased germination with higher plant survival:

- Softer soils, improved porosity and higher water holding capacity. Enhanced gas exchange with more oxygen availability.

### Activates soil biology:

- Enhanced activity & population of beneficial microorganisms converts unavailable nutrients to a plant available form.
- Results in optimum & constant up take of all nutrients though out the crop cycle.

### Large white root system development with dense mycorrhizal hyphae network:

- Water and nutrient uptake from a larger root zone results in early & higher flowering and fruiting with reduced dropping.
- Profuse root system results in reduction in watering cycles.
- Overall healthier plants lead to enhanced resistance against pests & diseases.

## Benefits

- Improved germination & plant survival
- Increased yield & quality
- Reduced irrigation & extension of irrigation cycles (drought resistance)
- Reduction in chemical fertilizers
- Reduction in crop care chemicals
- Improved overall soil health: Soft, aerated & porous soils with enhanced biological activity

## Zytonic M (ZM) Dosage

### Basal Application

#### Low input crops:

Soybean, Gram, Bajra, Pulses, Mustard, etc.

**Dose:** 10 kg / acre

#### Short duration (3-6 months) crops:

Vegetables, Paddy, Wheat, Legumes, Maize, Spices, Medical Crops, Tobacco, Sugar beet, etc.

**Dose:** 15 kg / acre

#### Long duration (8-12 months) / nutrient exhaustive crops:

Sugarcane, Grapes, Cotton, Banana, Papaya, Ginger, Turmeric, Potato, Sweet Potato, etc.

**Dose:** 20 kg / acre.

#### Fruit trees, floriculture plantation orchards:

**Dose:** 30 kg / acre. Apply @ 15 kg / acre two times, each with an interval of 5-6 months. (once after plucking/pruning & once after monsoon rains).

**Pit Application:** 250 g ZM / pit (30 x 30 x 30 cm) with Zytonic M enriched FYM / Vermicompost / Castor oil cake powder.

### Nursery Application

**Dose:** 2 kg for 500 sq. m.

### Top Dressing Application

#### Low input crops:

Soybean, Gram, Bajra, Pulses, Mustard, etc.

**Dose:** 2 kg / acre. Apply @ 2 kg / acre one time, 25-30 days after germination.

**Short duration (3-6 months) crops:** Vegetables, Paddy, Wheat, Legumes, Maize, Spices, Sugar Beet, Medical Crops, Tobacco, etc.

**Dose:** 10 kg / acre. Apply @ 5 kg / acre two times, each with an interval of 25-30 days after germination.

#### Long duration (8-12 months) / nutrient exhaustive crops:

Sugarcane, Grapes, Cotton, Banana, Papaya, Ginger, Turmeric, Potato, Sweet Potato, etc.

**Dose:** 25 kg / acre. Apply @ 5 kg / acre five times, each with an interval of 30-40 days after basal application.

#### Fruit trees, floriculture & plantation orchards:

**Dose:** 25 kg / acre. Apply @ 5 kg / acre five times, each with an interval of 30-40 days.

### Foliar Application

**Dose:** 2 kg / acre to boost greenery & growth.

## Zytonic M (ZM) Application Methodology

### Basal Application:

Mix ZM powder with ZM enriched FYM / Vermicompost / Castor oil cake powder or equivalent and broadcast, followed by rotovation.

**Top Dressing:** Dissolve 1 part ZM in 100 parts water and apply via irrigation / drenching / sprinklers **OR** Broadcast a mixture of ZM powder with ZM enriched FYM / Vermicompost / Castor oil cake powder or equivalent, in between the crop rows & irrigate.

### Nursery Application:

- Before Nursery Preparation: Mix ZM powder with ZM enriched FYM and broadcast.
- Post Germination: Dissolve 1 part ZM in 100 parts water. Apply via drenching / spray.

**Note:** Up to 50% reduction in chemical fertilizers possible from the first use of Zytonic M

#### Ingredients: Mycorrhizal Bio-Fertilizer (Water Soluble)

- Mycorrhiza Propagules: > 80 / g \_\_\_\_\_ (As per FCO)
- Infectivity Potential: Inoculum Potential: 1,200 IP/g \_\_\_\_\_ (As per FCO)

Store in a cool & dry place, away from direct sunlight & heat