



**JH Biotech**  
Biotechnologies for Safer Agriculture

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# PROMOT<sup>®</sup> MZM



**Biological Fertilizer**

## **GROWTH PROMOTER:**

PROMOT MZM is a seedling inoculant for use as a preplant root and/or soil treatment for plug or bareroot transplants. PROMOT MZM contains micronutrients and fermentation substances which may improve the survival of transplants. PROMOT MZM may increase the beneficial microbial activities in the rhizosphere which in turn promote root and plant growth. In fumigated soils or soils with low biological activities, PROMOT MZM is extremely beneficial in creating a rhizosphere which is dominated by beneficial microorganisms.

## **RECOMMENDED USE:**

PROMOT MZM is recommended to be used as a root and/or soil inoculant for plug or bareroot transplants prior to or at transplanting to containers or field sites. PROMOT MZM can be applied to field crop transplants, ornamental plants, plant cuttings, strawberry seedlings, tree seedlings and vegetable transplants.

## **COMPATIBILITY & GROWING CONDITIONS: FERTILIZERS:**

PROMOT MZM is compatible with most fertilizer solutions and biological preparations. It is recommended to add fertilizer solutions or other biological preparations to water first and then add PROMOT MZM to the mixture.

## **SOIL pH:**

The optimal pH for PROMOT MZM is 5.5—6.5. PROMOT PROMOT MZM can be mixed in water pH 4.0—9.0.

## **INSECTICIDES AND HERBICIDES:**

PROMOT MZM is compatible with most insecticides and herbicides at label rates.



## **Guaranteed Analysis:**

Magnesium (Mg) .....	0.5%
Manganese (Mn) .....	0.1%
Zinc (Zn) .....	0.1%

Derived from Magnesium Sulfate,  
Manganese Sulfate and Zinc Sulfate.





## PRODUCT BENEFITS:

- Improves seedling survival
- Stimulates root growth
- Promotes beneficial microorganism dominated rhizosphere
- Promotes plant growth and yield
- Promotes flowering
- Promotes healthy root systems

## POWDER DIRECTIONS

**PLUG TRANSPLANTS:** Mix 1 oz. of PROMOT MZM WP with 1 gallon of water and spray on plant roots 5-7 days before transplanting. Cover PROMOT MZM treated plant roots to avoid direct sunlight.

**TRANSPLANT DIP:** Mix 1 oz. of PROMOT MZM WP with 1 gallon of water and immerse roots of seedlings in the solution before transplanting.

**PLANT CUTTINGS:** Mix 1 oz. of PROMOT MZM WP with 1 gallon of water and dip the cuttings in the solution before planting.

**TRANSPLANT SOLUTION:** Mix 1 oz. of PROMOT MZM WP with 5 gallons of transplant solution and apply as usual practice. Agitation is recommended to keep product evenly distributed.

**DIRECT FIELD APPLICATION:** Dilute 1-2 pounds of PROMOT MZM WP with enough water to cover an acre and apply as banding at planting. Agitation is recommended to keep product evenly distributed.

Packaging: Powder: 1 lb. 2lb. 5lb.

## LIQUID DIRECTIONS

**PLUG TRANSPLANTS:** Mix 2 1/2 fl. oz. of PROMOT MZM with 5 gallons of water and drench plants 5-7 days.

**BAREROOT TRANSPLANTS:** Mix 4 fl. oz. of PROMOT MZM with 5 gallons of water and spray on plant roots 5-7 days before transplanting. Cover PROMOT MZM treated plant roots to avoid direct sunlight.

**TRANSPLANT DIP:** Mix 1 1/2 fl. oz. of PROMOT MZM with 1 gallon of water and immerse roots of seedlings in the solution before transplanting.

**PLANT CUTTINGS:** Mix 1 1/2 fl. oz. of PROMOT MZM with 1 gallon of water and dip the cuttings in the solution before planting.

**TRANSPLANT SOLUTION:** Mix 1-2 fl. oz. of PROMOT MZM with 5 gallons of transplant solution and apply as usual practice. Agitation is recommended to keep product evenly distributed.

**DIRECT FIELD APPLICATION:** Dilute 32-64 fl. oz. of PROMOT MZM with enough water to cover an acre and apply as banding at planting. Agitation is recommended to keep product evenly distributed.

Packaging: Liquid: 1 gallon, 2 x 2-1/2 gallons, 5 gallons



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For labels and MSDS visit our website at [www.jhbiotech.com](http://www.jhbiotech.com) or phone us at 805.650.8933