

# ANC ENZYME SOLUTIONS PTE LTD

20 Cecil St, #14-01 Equity Plaza, Singapore, 049705 Email: sales@ancenzymes.com

## Green Miracle

(Antitranspirant)

Green Miracle is a non-toxic, reflectant type of antitranspirant, based on long chain fatty alcohol group C8 to C18 fortified with balanced combination of amino acids, peptides, and low molecular weight Oligopeptides.

### Mode of action

Green miracle functions through two modes of action

**Reflection agent :** Once applied as a liquid foliar spray, it forms a thin glassy film-coat, which reflects the excess light, that is going to heat up the tissues and thereby reduces the chances of leaf damages.

**Stomatal regulation :** Through regulating the opening and closing of the stomata positively, it helps in minimizing the rate of evapotranspiration.

**Metabolic type :** Acts on spongy parenchyma cells and made it into multi-layered tissue which leads to reduced intercellular space and it helps the plants in maintaining the turgor of the tissue.

### Compatibility

Green Miracle is compatible with most of the foliar pesticides. However, a jar test is recommended for compatibility before tank use.

### Benefits

- Reduces the transpiration rate through regulating stomatal movements.
- Increases leaf tissue and sustains photosynthesis and partitioning of assimilates.

- Helps plant recover from stress and improves resistance to drought, cold, floods and diseases.
- Serves as an osmoticum. Improves fertilizer efficiency and is safe to the environment.
- Increases harvest and improves crop quality and keeping quality of the produce.
- Increases total soluble solids.
- Reduces fibers.
- Energy saving in the metabolism of nutritional substances and regularization of nutritional conditions.

### Salient feature

- Certified by IMO for use in organic farming.
- Green miracle influences the organogenesis from the apical and marginal meristems. Xylem elements become elongated narrow with less lignified wall. Lignin fibers of Xylem, phloem, are reduced in quantity and quality i.e. with less lignin. Fibre elements occurring in the cortical cells in the form of sclereids are reduced.
- Green miracle allows normal stomatal activities, does not interfere with photosynthesis and will effectively reduce transpiration from approximately 35 to 40 %. Although the coating permits unrestricted photosynthesis, it will not wash off when exposed to normal rainfall conditions.
- Green miracle is non-toxic, biodegradable, and environmentally friendly.

Crop	Dosage/acre	Frequency of application	Benefit
Cotton	200 ml in 300 liters of water	Two sprays : At square (bud) formation stage and 21-30 days after 1 <sup>st</sup> spray.	Prevents bud, flower, and boll drop and increases yield.
Chilies	200 ml in 200 liters of water	Two sprays. At flowering stage and another 20-30 days after the first spray .	Reduces flower drop and increases yield substantially.
Tomato/ brinjal	200 ml in 200 liters of water	Three sprays – 1 <sup>st</sup> spray : At flower setting stage, 2 <sup>nd</sup> spray : At fruit setting stage or (21-30 days after 1 <sup>st</sup> application) and 3 <sup>rd</sup> spray : 10-15 days before harvest or 10-15 days after second spray.	Increases the yield and reduces flower drop.
Peas	200 ml in 200 liters of water	Three sprays – 1 <sup>st</sup> spray : At flower setting stage. 2 <sup>nd</sup> spray : At fruit setting stage or (21-30 days after 1 <sup>st</sup> application) and 3 <sup>rd</sup> spray : 10-15 days before harvest or 10-15 days after second spray.	Reduces flower drop, increases the quantity of pods and improves the quality of the pods.
Jackfruit Cherry	500 ml in 400 liters of water	Spray once at flowering time	Reduces premature flower and fruit drop
Water melon	200ml in 200 liters of water	Two sprays : At 1-2 leaf stage and 10 days after first spray.	Increases fruit setting
Rice/ Wheat	300 ml in 300 liters of water	6-10 days before the onset of expected shedding	Increases yield
Mango	500 ml in 500 liters of water	Two sprays – first at the pea size of tender fruits, second at 15-20. Repeat third spray if required.	Reduces fruit drop and improves the size of the mangoes
Apples/ Pears	500 ml in 500 liters of water	Spray 1-2 weeks before the expected fruit drop.	Avoid delay in fruiting and reduces pre-harvest fruit drop.
Citrus Orange	500 ml in 500 liters of water	Two sprays – At early flowering and at fruits maturation stage (peanut size)	Reduces pre-harvest fruit drop.
Papaya	500 ml in 500 liters of water	Spray on tender fruits and flowers.	Increases fruit size and prevents fruit drop
Grapes	500 ml in 500 liters of water	Two sprays – At the time of pruning and at flowering stage	Increases berry size and weight, reduces berry drop

### Shelf Life

One year if stored at 20-25°C and if unopened.

### Packing

5 ltr, 1 ltr, 500ml, 200ml, 100ml

*Disclaimer-All suggestions and data presented are based on information and tests that are believed to be accurate and reliable, but are not to be taken as a guarantee, expressed or implied, for which seller assumes legal responsibility. It is recommended that the user carry out their own tests to determine the suitability of the product to his/her process before incorporating the product on a commercial scale. ANC Enzyme Solutions Pte Ltd*