



STANES GREEN MIRACLE[®]

ANTI-TRANSPIRANT



Guarantee: **Long chain fatty alcohol group + Amino acids**

General Description

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

Green Miracle is used to minimise the impact of drought and other environmental stresses on plants.

Mode of Action

- * **Reflection agent:** Once applied as a liquid foliar spray, it forms a thin glassy film coat, which reflects the excess light that would otherwise heat up the tissues, -thereby reduces the chances of leaf damage.
- * **Stomatal regulation:** Through regulating the opening and closing of the stomata positively, it helps in minimising the rate of transpiration.
- * **Metabolic type:** It acts on spongy parenchyma cells making them into a multi-layered tissue, which leads to reduced intercellular space. It helps the plant maintain the turgor of the tissues.

Proteins and peptides present in Green Miracle are complex structures that play a fundamental role in plant physiology. They function as growth regulators in enzymatic systems and accelerate all the nutrient transformation.

Features and Benefits

- It reduces transpiration rate (from approximately 35 to 40%) through regulating stomatal movements. Green Miracle allows normal stomatic activities without interfering with photosynthesis.
- The coating permits does not wash off when exposed to normal rainfall conditions.
- Increases leaf tissues that sustain photosynthesis and portioning of assimilates.
- Helps plant recover from stress and improves resistance to drought, cold, floods and diseases.
- Serves as an osmoticum –improving fertiliser efficiency.
- It increases harvest, improves quality and shelf-life of the produce.
- It increases total soluble solids while reducing fibres.
- It is non-toxic, biodegradable and environmentally friendly. Certified by IMO for use in organic farming.
- Compatible with most chemical pesticides and biological products.

Recommended Application Rates

Crop	Rate	Interval
Vegetables (e.g. Tomatoes, Chillies, Beans, Peas, etc.)	20ml/20L 500ml/Ha	Spray at flowering, at 'fruit' setting and 10-15 days after 2nd spray (or as necessary depending on the weather).
Flowers	500ml/Ha	
Fruits e.g. Mango, Apples, Citrus, Papaya, Grapes e.t.c	50ml/20L 1.25Ltrs/Ha	Spray at early flowering, when fruits are setting (pea-size) and at fruit maturation stage (or as necessary depending on the weather).
Cotton	20ml/20L 500ml/Ha	At square (bud) formation stage and 21-30 days after (or as necessary depending on the weather).
Cereals (Rice, Wheat, etc.)	20ml/20L 750ml/Ha	6-10 days before onset of expected shedding (or as necessary depending on the weather).
Grass lawn	1 Lt/Ha	
Tea	660ml/Ha	

It can be applied as foliar spray at pre or post flowering stages and fruit setting stages or carry out 2-3 applications at 15- 20 days interval.

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