refirma™
HydraGuard™

Next Generation Osmoregulant For Abiotic Stress
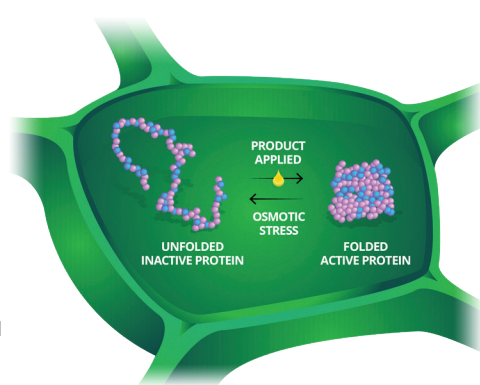
OVERVIEW

Refirma HydraGuard™ contains an osmolyte compound that is naturally induced when a plant is under abiotic stress. It supports plant productivity by mitigating stresses from heat, drought and salinity improving overall yield and plant performance. It can be incorporated into crop production programs through various application methods.

FEATURES & BENEFITS

- Increased resistance to abiotic stress – heat, drought, and salinity.

- Supports water and nutrient transport during abiotic stress conditions.

- Optimizes conditions for improved crop yield and plant performance.

- Ease of application – tank-mix compatible with most crop protectants and nutrient solutions.

TECHNOLOGY AT WORK

1. Osmoregulants are the substances produced by plants that assist in tolerating environmental stresses.

2. Refirma HydraGuard contains a compound that is an osmoregulant, stabilizing proteins and enzymes, keeping their hydration structure and configuration.

3. Proper hydration allows plant cells to continue to function during transitional drought and other abiotic stress events.

4. This results in less stress to the plant and provides comparatively greater growth and vigor.

PRODUCT APPLIED

OSMOTIC STRESS

UNFOLDED INACTIVE PROTEIN

FOLDED ACTIVE PROTEIN

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Technical Information

PRODUCT PROFILE

MODE OF ACTION	• Stabilizes proteins and enzymes, keeping their hydration structure and configuration. • Supports natural processes to benefit vegetative growth under abiotic stress.
COMPATABILITY	• Effective with a wide range of crop protectants, raw nutrients, blends and organic solutions. Contact a product representative for a complete list of compatible products.
ACTIVE INGREDIENTS	• Osmolyte compound • Monopotassium phosphate (MKP) • Dipotassium phosphate (DKP)
FORMULATION	• Soluble liquid concentrate (SL)
PACKAGING	• 2 x 2.5 gal case, 275 gal tote
SHELF LIFE	• 24 months from date of manufacture

APPLICATION

TREE, VINE & FRUIT CROPS	21 to 42 fl oz/A; 3 to 4 applications per season
VEGETABLE CROPS	21 to 42 fl oz/A; 3 to 8 applications per season
FIELD CROPS	21 to 42 fl oz/A; 1 to 3 applications per season

Important: Always read and follow label directions.

Mosaic BIOSCIENCES™

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