

Sosdia® Stress Plus

ABIOTIC STRESS MITIGATOR

Help protect crops in times of stress

Active ingredient:

Proline: A natural amino acid that is used to make proteins and preserve osmotic balance.

Betaine: Added specifically for its ability to regulate opening and closing of stoma.

Crops:

- Tomatoes
- Potatoes
- Peppers
- Leafy Greens
- Almonds
- Grapes
- See label for additional crops

Application Recommendations:

Optimal applications times are generally at or slightly before reproductive growth stages, but growth benefits may be gained with applications at any time during active growth.

Rates:

Leaf/Stem veggies: 3.2 fl oz

Potato: 9.6 fl oz

Fruit or Berry: 9.6 fl oz

Citrus Crops: 18-32 fl oz/100 gal

Trees: 32 fl oz/100 gal

Grapes: 9.6 fl oz

- Keep spray solution with pH 5-8
- If mixing with chemical and it passes a jar test, then it's considered compatible

For best contact and uptake:

- Apply early morning when leaf stomata (pores) are open
- Apply as a preventative treatment before onset of abiotic stress
- Apply when crop is in good nutritional and growth status

Storage

- Store in a cool, dry, place away from sunlight, heat, and extreme conditions upright in original container
- Store between 39°F and 100°F.
- Do NOT allow Sosdia Stress to freeze.
- 2-year shelf life

Sosdia® Stress Plus abiotic stress mitigator helps reduce yield loss associated with environmentally stressful conditions. It contains proline and betaine to improve stomata function, reduce water loss, and protect proteins from damage during environmental stresses which can improve regrowth when conditions normalize. These functions support plant productivity and yield potential in times of abiotic stress such as drought, heat, salinity and ultraviolet light.

Ultimately, Sosdia Stress Plus helps crops thrive under challenging conditions.

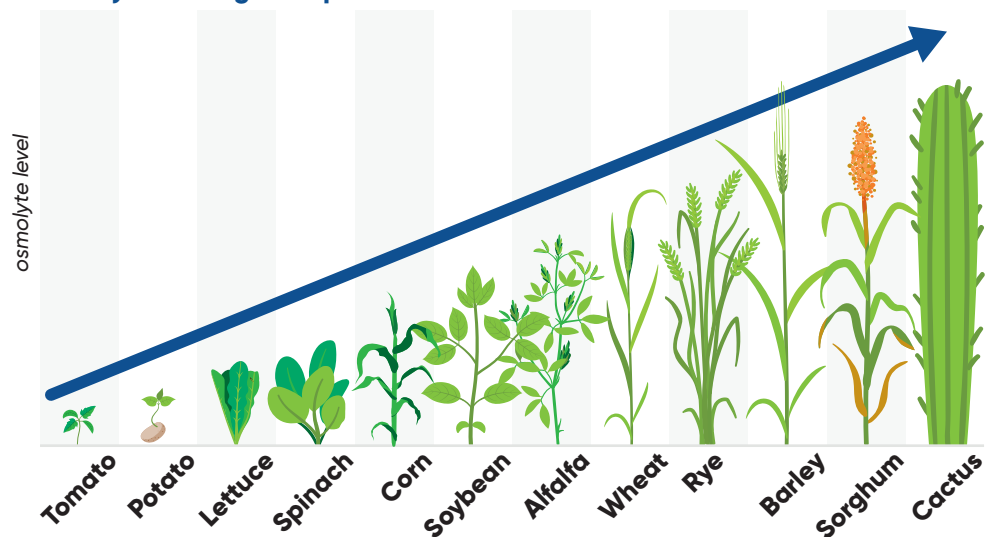
Features & Benefits:

- Maximizes the conversion of water into crop biomass, increasing yield potential
- Protects the plant proteins and cell membranes, allowing for crop to focus on growth, and not remaking energy-costly new membranes and proteins
- Can protect critical fruit production processes at flowering, pollination and fruit formation
- Tank-mix compatible with most common crop protection products
- 2-year storage life

How does it work?

The application of Sosdia Stress Plus, with key components of proline and betaine helps specialty crops react more similarly to crops with higher levels of osmolytes. Osmolytes are a natural compound found within plants that helps neutralize crop reaction to abiotic stress.

Naturally occurring osmoprotectant levels



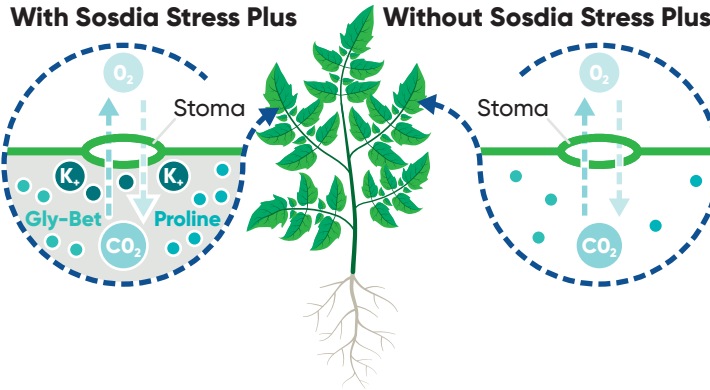
Sosdia Stress helps specialty crops like tomato, which naturally has lower levels of osmolytes, weather abiotic stresses more like sorghum which is adapted to have naturally high levels of osmolytes.

Sosdia® Stress Plus abiotic stress mitigator helps the plant remain focused on crop growth by protecting the plant proteins and cell membranes.

Under abiotic stress: drought, heat, salt, UV

Increased photosynthesis

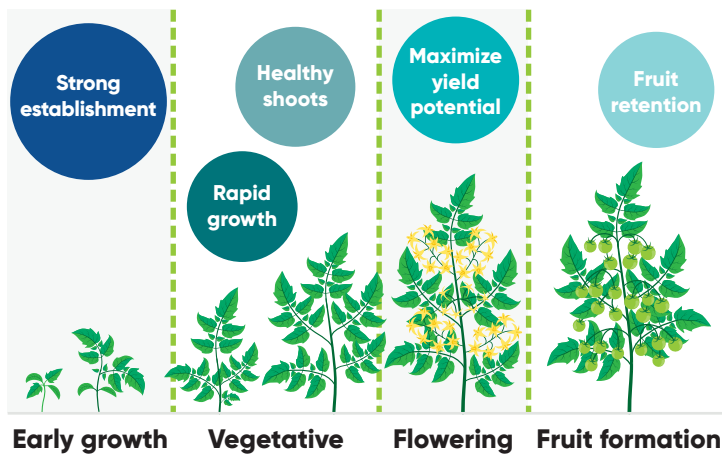
1. Reduces water vapor loss
2. Quicker recovery and continued growth
3. Increased protein stability and content



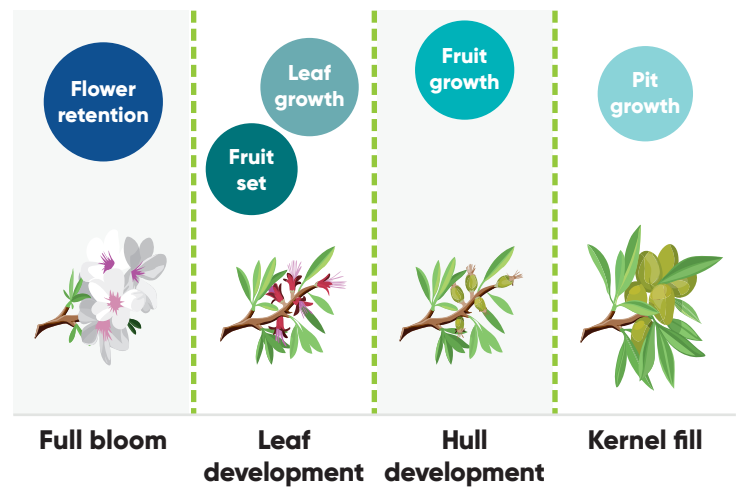
Intermittent photosynthesis

1. Excessive water lost due to a naturally leaky stomata
2. Intermittent growth
3. Naturally lower levels of glycine betaine, proline & K+

Tomato application timings with Sosdia Stress Plus



Almond application timings with Sosdia Stress Plus



For more information on Sosdia Stress Plus, please contact your local Corteva Agriscience territory manager or call **800-258-3033**.

Visit us at corteva.us



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