



**JHBiotech**  
Innovation for a Greener Earth

# STRESS GARD

Buffered Phosphite and Stabilized Phosphate Fertilizer

**STRSSGARD** is a nontoxic, biodegradable polymer that provides a layer of protection from heat, cold and other stressful environmental conditions. **STRSSGARD** is an easy and safe to use foliar spray. It does not cause any harm to sensitive plant tissues or fruit, and is completely invisible and odorless when dried.

When **STRSSGARD** is sprayed over the plant, it creates a thin layer of plastic over the entire surface of the leaf. This layer of polymer is very flexible so it stretches as the leaf grows. **STRSSGARD** only needs to be applied once every 21 days in order to remain effective.

**STRSSGARD**'s clear plastic film has the ability to drastically reduce the level of stress the plants suffer during heat and or drought spells. One of the greatest advantages of **STRSSGARD** is that it limits transpiration and thus reduces plant stress due to high temperatures by 30% to 35%.

Of course this also reduces water and pumping costs, increases transplant survival rate, and it add 4 to 6 degrees Fahrenheit of frost protection. When stress caused by drought, heat, transplant or shock is reduced, costs are reduced, crops improve, and profits climb.

**STRSSGARD** is safe to use and requires no training or permits. It is 100% water soluble and does not contain harmful ingredients that are polluting or toxic to the environment.

Fruit treated with **STRSSGARD** is safe to eat, simply wash with soap and water and the **STRSSGARD** rinses off. Field applications should stop 30-45 days before harvest to allow **STRSSGARD** enough time to biodegrade before picking.



## Advantages of Using STRSSGARD

- Reduces Moisture Loss
- Protects Against
  - Heat
  - Frost
  - Drought
  - Winds
  - Transplant Shock
  - Sudden Climate Change



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Water plants thoroughly and allow time to take up water before applying **STRSSGARD**. Thoroughly coat upper and lower surface of all leaves and stems to run off. Apply 24-48 hours in advance of transplanting. If applied to edible foodstuff, last application should provide time for product to biodegrade prior to last harvest (45-60 days). Thoroughly wash sprayed fruit to remove residue. Flush spray equipment with clean water immediately after use. For removal of dried product, soak in water until softened.

#### **ORNAMENTALS:**

**OUTSIDE:** Spray 4.5 gallons of **STRSSGARD** per 100 gallons of water (3 tbsp. per 1 quart of water) to run off.

**INDOOR:** Spray 4 tsp. of **STRSSGARD** per 1 quart of water to run off.

**LOW LIGHT:** 3 tsp. of **STRSSGARD** per 1 quart of water.

**BLOOMING PLANTS:** Spraying 10.5 qts. of **STRSSGARD** per 100 gal. of water (6 tsp. per 1 quart of water) may extend bloom by reducing moisture loss.

**PROPAGATION:** 9 gal. of **STRSSGARD** per 100 gal. of water (6 tbsp. per 1 quart of water) 24-48 hours before transplanting. Spray 3 qts. of **STRSSGARD** per 100 gal. of water or 6 tsp. per 1 quart of water after pollination as needed.

**FRUITING TREES:** Spray 4.5 gal. of **STRSSGARD** per 100 gal. of water (3 tbsp. per 1 quart of water) in early spring before danger of frost. Spray 3 qts. of **STRSSGARD** per 100 gal. of water or 6 tsp. per 1 quart of water after fruit set every 30 days.

**LAWNS:** Spray 3 qts. of **STRSSGARD** per 100 gal. of water or 6 tsp. per 1 quart of water after every third cutting. Spray 4.5 gal. of StressGard per 100 gal. of water (3 tbsp. per 1 quart of water) to stressed area after watering thoroughly.

#### **FROST AND FREEZE PROTECTION:**

Spray 4.5 gal. of **STRSSGARD** per 100 gal. of water (3 tbsp. per 1 quart of water) to thoroughly coat entire plant including upper and lower surface of leaves before danger of frost occurs.

**Throughout the season the vines maintained a healthy and vigorous appearance, allowing the lush canopy to contribute to a significant decrease in sunburn.**

**Users also report significant water savings from reducing transpiration 30% to 50%.**



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