

LESS STRESS BETTER PLANTS

ANTI-STRESS 550®

By Polymer Ag, LLC



PLANT COATING

NON-TOXIC

BIODEGRADABLE

REDUCES MOISTURE LOSS IN PLANTS IN HOSTILE ENVIRONMENTAL CONDITIONS:

- FROST/FREEZE
- HEAT
- DROUGHT
- HOT/COLD DRYING WINDS
- SUDDEN CLIMATIC CHANGES
- TRANSPLANT SHOCK

A CONCENTRATE FOR FOLIAR APPLICATION

Active Ingredients:
44% ACRYLIC POLYMERS

- Net 2.5 Fl. Gal. (9.46L)
- Net 30 Fl. Gal. (113.56L)
- Net 55 Fl. Gal. (208.20L)

CAUTION

**READ INSTRUCTIONS ON LABEL CAREFULLY BEFORE USING THIS PRODUCT.
KEEP OUT OF REACH OF CHILDREN.**

CAUTIONS

DO NOT MIX WITH HIGH ACID FORMULATIONS.

- Residues from some chemicals, especially calcium and magnesium, may cause polymers to separate from water. Evidence of this occurrence will appear as "cottage cheese" or small bits of whitish material floating on the surface foam and collecting in filters. Correct this problem by cleaning spray equipment with a commercial neutralizer sold specifically for this purpose.
- For mixing purposes, the pH factor must be within the 5 to 8 range. When in doubt, perform a standard jar test with a small amount of concentrate and water to determine if the materials blend. If the materials separate, the pH factor is not compatible.
- When tank mixing, pour product through screen to filter any film that may have formed around top of bottle.
- Never spray any **Anti-Stress 550®** products from any equipment (tank, hoses, nozzles) which has previously been used in herbicide application unless the equipment has been neutralized with a commercial product sold exclusively for this purpose. Failure to neutralize may cause plants to experience herbicide burn.
- **Anti-Stress 550®** may enhance chemicals when tank mixed. Not recommended for use with pesticides.
- **WHEN MIXING FOR APPLICATION, ALWAYS ADD Anti-Stress 550® LAST TO PREVENT FOAMING. DO NOT MIX WITH A SILICONE BASED DEFOAMER.**
- **DO NOT USE WITH ANY SILICONE BASED SPREADERS.**
- Keep unused containers of concentrate tightly sealed at all times.
- Do not freeze.

FOR EASE OF CLEAN UP

PRIOR TO SPRAYING, COAT THE EXTERIOR OF EQUIPMENT (TRACTOR AND FAN) WITH A VINYL/RUBBER PROTECTANT. IF PRODUCT DRIES ON EQUIPMENT AND CANNOT BE REMOVED WITH WATER PRESSURE USE POLYMER REMOVER AND CLEANER MANUFACTURED BY Polymer Ag, LLC.

WARRANTIES AND LIABILITIES

Manufacturer guarantees: Content stated is within lawful limits.

Product consists of specified ingredients as listed, and reasonably fulfills label claims when used in accordance with label directions, under normal conditions of use. None other than managers of Polymer Ag, LLC are authorized to make any other warranty or guarantee.

NON-TOXIC • BIODEGRADABLE

**NONPLANT FOOD INGREDIENT
MANUFACTURED BY POLYMER AG, LLC**

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DIRECTIONS FOR USE

- For maximum effectiveness, the lower and upper surface of all leaves and stems must be thoroughly coated to semi-drip level.
- It is recommended that enough water and sufficient tank pressure be applied to thoroughly dispense the product over and around the entire leaf surface to form the protective coating.
- For thorough mixing of the polymers, the mixing water should be above 40°F.
- **ANTI-STRESS 550® MUST BE APPLIED WHEN WEATHER CONDITIONS WILL ALLOW FOR PRODUCT TO COMPLETELY DRY BEFORE PERIODS OF FROST AND FREEZE OCCUR.**
- Not subject to wash off by rain or irrigation. Do not apply if weather conditions or irrigation schedules will not permit adequate time for complete drying.
- When plants/trees/sod are in dehydrated conditions, water thoroughly and provide time for take-up of water in stem and leaf before applying **Anti-Stress 550®**.
- **Anti-Stress 550®** will stay effective 45 to 60 days. Keep new growth sprayed.
- Frost and Freeze: For complete coverage make two runs on each row, in opposite directions.
- If applied to edible foodstuff, last application should provide sufficient time period (45-60 days) for product to biodegrade prior to harvest. The biodegradable time period is not applicable to those foodstuffs which are subjected to cleaning processes in packing house operations.
- **AS A STICKER: APPLY 1 PINT PER 100 GALLONS WATER.**

APPLICATION RATES PER ACRE/OR MIX CONCENTRATIONS

- Recommended rate: **ONE QUART CONCENTRATE MIXED WITH 25 GALLONS OF CLEAN WATER.**
 - When dilute spraying is desired, add one quart of concentrate to each additional 25 gallons of water.
- THE AMOUNT OF FOLIAGE TO BE COVERED WILL ALWAYS DETERMINE THE AMOUNT OF PRODUCT TO BE USED.**

PLANT/TREE/SOD ACRE	Anti-Stress 550® RATE PER ACRE	WATER PER
Row Crops	1 to 4 quarts. Depends on size of plant and amount of foliage to be covered.....	25 to 100 gallons
Vines	1 to 4 quarts. Depends on stage of growth and amount of foliage to be covered.....	25 to 100 gallons
Trees		
Citrus/Avocados	4 to 6 quarts. Depends on tree size and density of foliage.....	100 to 150 gallons
Deciduous		
Bud Set	1 to 3 quarts.....	25 to 75 gallons
Full leaf	4 to 6 quarts.....	100 to 150 gallons
Christmas	Field application. 1 to 4 quarts. Depends on tree size and density of foliage.....	25 to 100 gallons
	Post harvest: 1 part concentrate.....	15 parts water
Transplants (may be sprayed or dipped)	1 part concentrate.....	20 parts water
Sod	1 part concentrate.....	30 parts water
Ornamentals	1 part concentrate.....	40 parts water

MIXING INSTRUCTIONS

- **Anti-Stress 550®** is a concentrate and must be mixed with water prior to application.
- Mix recommended amount of **Anti-Stress 550®** with sufficient amounts of water for complete coverage of upper and lower leaf surface.
- To avoid foaming, add recommended amount of **Anti-Stress 550®** after desired amount of water has been pumped into mixing tank.
- When mixing with hard water a spreader may be needed to prevent beading. **DO NOT USE WITH ANY SILICONE BASED SPREADERS.**

METHODS OF APPLICATION

- **Anti-Stress 550®** lends itself to most types of conventional farm, orchard, or ground spray equipment including helicopters. Fixed wing aircraft are not recommended. The type of equipment used must be calibrated to assure complete coverage of the upper and lower leaf surface.
- Small droplet size will provide the best coverage.
- Nozzle size and pressure selection should be such as to disperse the product over complete leaf surface in a uniform pattern.
- Ground speed should not exceed 1½ to 2 miles per hour for tree application.
- Effectiveness of **Anti-Stress 550®** depends on temperature variants, wind conditions, concentration dilutions, dispensing equipment and types of plant, tree or grass on which the product is applied.

CLEAN UP

EXTERIOR TANK:

- To assist clean up, coat exterior of equipment (fan and tractor) with a vinyl/rubber protectant before spraying.
- If product dries on equipment, remoisten with water, spray with Polymer Remover & Cleaner by Polymer Ag, LLC and remove with pressure washer.

INTERIOR TANK:

- Immediately after spraying, rinse tank, hoses and nozzles thoroughly with clear, clean water to flush all polymer dilutions from equipment.
- When concentrate is spilled, flush area with water before drying for quick, easy clean up.
- For removal of dried product, soak in water, use pressure washer.

SPILLAGE ON CLOTHING:

- Immediately wash product from clothing completely to avoid stains.