

Stress-Ex[®]

NATURAL STRESS RELIEF POLYMER

Active Constituent: 904 g/L Poly-i-para-menthene

Environmental Stress Reduction:

- Anti-transpirant
- Frost reduction
- Heat relief
- Water conservation

10 L



GENERAL INSTRUCTIONS:

STRESS-EX® is a natural water dispersible pine resin polymer formulation for application to fruit and vegetable crops. When applied, STRESS-EX forms a soft flexible micro-film that reduces the harsh climatic extremes that can adversely affect crops. Once applied, the anti-transpirant film reduces the loss of water from the crop and reduces the harmful effects of UV light. No additional wetter/spreader is needed with STRESS-EX. STRESS-EX is best applied with at least one hour of daylight, before an anticipated rain event or overhead irrigation. STRESS-EX dries on plants to form a clear, glossy film. Environment extremes are unpredictable. STRESS-EX will reduce the CropShock® effect induced by these extremes. However, some crop damage may still occur from these environmental extremes.

Mixing directions: STRESS-EX should be pre-mixed prior to adding to the spray-tank. Fill the spray tank at least half full with water. Add STRESS-EX and maintain continued agitation while the tank is filling and during application. Apply STRESS-EX on tank fill. Do not leave STRESS-EX in the spray tank overnight, nor for prolonged periods of time without agitation during a spraying operation.

Cleaning instructions: Immediately rinse tanks, lines and nozzles with water after spraying. After rinsing, there may still be a small amount of sticky residue in the tank. This may help to prevent rusting and corrosion. It will not clog nozzles when sprayer is next used. STRESS-EX will not freeze, foam or clog nozzles providing the spray equipment is washed out with water after each use. Do not apply to non-target surfaces. To prevent STRESS-EX from sticking to non-target surfaces, spray the application equipment with a light spray oil prior to application. If STRESS-EX spray happens to drift onto undesired surfaces, such as windows, cars, application equipment or others, it can be removed with soap and water, before the spray deposit is dry. If the film has dried then use premium grade truck wash for removal. WD-40® or equivalent will assist to clean surfaces before polymerization sets. To remove dried deposits from painted car surfaces, use standard tar remover products designed for use on painted car finishes. Spray that drifts onto porous surfaces such as wooden surfaces, or other surfaces like stone, brick, that cannot be practically cleaned as above, may result in an extended or permanent alteration of appearance. Use this product in accordance with good agronomic practices, which include utilizing proven spray equipment set up for adequate coverage.

SAFETY DIRECTIONS: Avoid contact with eyes, skin and open wounds. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water.

FIRST AID: If poisoning occurs, contact a doctor or Poisons Information Centre. Phone 1311 26.

SAFETY DATA SHEET: Additional information is listed in the Safety Data Sheet.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS & ENVIRONMENT: DO NOT contaminate streams, river or waterways with the chemical or used containers.

STORAGE, HANDLING AND DISPOSAL: STRESS-EX is classified as Non-hazardous according to the Globally Harmonised System (GHS) and Safe Work Australia (SWA) criteria. Store in a cool dry place. Keep in original container tightly closed. Do not reuse empty container. Triple or (preferably) pressure rinse containers before disposal. Add rinsings to spray tank. Do not dispose of undiluted chemicals on-site. If recycling containers, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush or puncture and bury empty containers in a local authority landfill. If no landfill is available, bury the containers below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt.

CONDITIONS OF SALE: AGSPEC warrants that the product within the unopened pack conforms to the chemical description on this label. As the occurrence of unusual environmental conditions, and the use of this product, is all beyond the control of AG SPEC, no guarantee, expressed or implied, is made as to the effects of such use or the results obtained, and in no event, shall the liability of AGSPEC exceed the price of the product used. The purchaser must assume all risks of storage, use or application of this product. Use of the product implies that the purchaser accepts these conditions of sale.

STRESS-EX NATURAL STRESS RELIEF POLYMER

DIRECTIONS FOR USE: Do not make applications when temperatures are too hot. Applications should be made when temperatures and other environmental conditions are favourable for application. Apply STRESS-EX to actively growing plants. DO NOT apply to plants under stress. Apply STRESS-EX with adequate water to give full coverage to the point of run-off. Minimum of 500 L of water per ha should be used.

RESTRAINT: Do Not apply in spray tank combination with any pesticides, on any crop.

SITUATION	CROP	RATE	CRITICAL COMMENTS
CROP ESTABLISHMENT - Reduce transplant shock	EVERGREENS & OTHER PLANTS including Flowers, Turf, Vegetables (such as Tomato, Pepper, Melons, Cucurbits, Celery, Cabbage, Lettuce), Tobacco, Coffee & Fruit Transplants, Flowering Plants, Evergreen & Deciduous Trees, Vines & Shrubs	1 L/100 L (1%) or 2L /100 L (2%)	Spray plants before transplanting, to reduce transplanting shock. Ensure STRESS-EX does not wash into the root zone. Use on established plants during the growing season to reduce environmental stress. Ensure good spray coverage, to the point of run-off. Ensure both sides of the leaves are covered by spray. For best effect spray in seedling trays or planting bags 2-3 days before transplant.
WATER SAVINGS TOOL: (All Crops including row crops, cotton, tomatoes, etc.)	ALL CROPS	10-20 L/ha	To partially relieve drought stress and to reduce irrigation, apply STRESS-EX up to a rate of 10-20 L/ha. Suggested rate is 3 Uha of STRESS-EX every 3-4 weeks until the 10 L/ha has been applied. In general, water needs of the crop can be reduced by 10- 30% with a properly adapted STRESS-EX program. STRESS-EX can be applied to cut Christmas trees to slow the drying process.
WINTER PROTECTION - to reduce winter damage caused by COLD DESICCATION (primarily on dormant buds and hardy foliage)	EVERGREENS: For example, Azalea, Pines, Rhododendron, Eucalyptus etc..	50 mL/L water (5%)	Application should be made greater than 24 hours before a cold event. One autumn application will last through winter. The clear glossy film will not crack or peel off foliage for up to 3 months after application. Before using STRESS-EX on large numbers of plants, test it under your conditions on a limited number of plants. Due to differing varieties and environmental conditions, results may differ from year to year. Note: Early applications of BlueSpear® and Atlantik® may reduce the recovery time when crops are healthier prior to a shock event. Such applications may increase tolerance to CropShock events
	FOLIAGE PLANTS grown in subtropical conditions	10 mL/L water (1%)	Make two applications about 2-4 weeks apart. The first application should be made just prior to when the first winter cold front is expected.
WINTER PROTECTION - to reduce CropShock caused by FROST	Flowers, Turf, Vegetables (such as Tomato, Pepper, Potato, Melons, Cucurbits, Celery, Cabbage, Lettuce), Tobacco, Coffee & Fruit Transplants, Flowering Plants, Evergreen & Deciduous Trees, Vines & Shrubs	1 L/100 L (1%)	IF THE EXPECTED TIMING OF THE FROST IS WELL KNOWN: Spray 2-3 days before the expected frost. Spray to point of run-off. STRESS-EX may only provide protection on the leaf tissue that is covered. Additional applications maybe required to ensure adequate protection of new growth. Note: Early applications of BlueSpear® and Atlantik® before a CropShock event may assist with assist with tolerance to CropShock events.
		500 mL/100 L (0.5%)	IF THE EXPECTED TIMING OF THE FROST IS NOT WELL KNOWN: Make several applications (split applications) about 2-4 weeks apart. The first application should be made at least 2-3 days before the first winter cold front is expected. Spray to point of run-off.
PRE-HARVEST SPRAY- assists to enhance yield, red fruit colour & sugars. Also assist to reduce sunburn, fruit drop, cracking and splitting of fruit.	Asparagus, Avocados, Cherries, Pome Fruit, Stone Fruit and Nut Crops. Vegetable Crops: including potatoes, carrots, beetroot, Tomatoes, Peppers, Melons & other Cucurbits, Beans etc...	500 mL/100 L (0.5%) or 1 L /100 L (1%)	Ensure complete coverage to the point of run-off. Make applications about 4-6 weeks before harvest. Test STRESS-EX on a few plants before starting large-scale usage. Do not apply within 2 weeks of harvest. Caution: Some pesticides maybe visually held onto the fruit when applying STRESS-EX after the application of pesticides. Therefore, these pesticides should be applied after STRESS-EX, once the droplets have dried sufficiently. This is particularly so when used close to harvest. Applications can begin during the growing season as required. Further applications may be required pre-harvest (4-6 weeks before harvest). Do not apply within 2 weeks of harvest.

**CAUTION: Some adverse colour change has occasionally been noted on girdled Thompson Seedless. Before using wide scale applications, check the application on a few vines under your conditions.*

NOT TO BE USED FOR ANY PURPOSE, OR IN ANY MANNER, CONTRARY TO THIS LABEL UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION.

APVMA Approval Exempt

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