



SAR ACTIVATOR SA

10% SOLUTION OF SALICYLIC ACID

- Improves Resistance to Environmental Stress
- SAR (Systemic Acquired Resistance)
- Important for Plant Growth & Development

CONTAINS NON-PLANT FOOD INGREDIENTS:

10%Salicylic Acid
 Derived From: Salicylic Acid
 Weight Per gallon 9.5 Lbs.
 Weight per liter 1.138 kg.
 pH 7.5

FOR USE ON AGRICULTURAL, HORTICULTURAL, AND FORESTRY CROPS:

SAR Activator SA is a high quality solution of Salicylic Acid formulation that can be used on citrus, vegetables, tropical fruits, nut trees, and stone fruits. SAR Activator SA can be applied as a foliar spray or as a soil drench and it moves throughout the plant via phloem systematically. SAR (Salicylic Acid) falls into the category of a plant phytohormone. It occurs naturally in all plants and has significant impact on plant growth and development, photosynthesis, transpiration, ion uptake and transport, and signals the plant's defense against pathogens. Salicylic Acid is known to improve the plant's stress tolerance (response to environmental heat, chilling, and drought).

PRODUCT DESCRIPTION:

SAR Activator SA enhances plant hardiness, and resistance to environmental conditions and attacks. Citrus and tomatoes sprayed with SA are known to have reduced damage from insects and pathogens.

SAR Activator SA can be mixed with standard N-P-K fertilizers.

Apply SAR Activator SA as a foliar spray or through fertigation systems.

MIXING INSTRUCTIONS:

SAR Activator SA can be mixed with most fungicides, insecticides and other liquid fertilizers. Do NOT mix concentrates together. Add water to spray tank to 3/4 full followed by SAR Activator, pesticides and fertilizers. Always do a "Jar" compatibility test with any new combination.

- Naturally Found in Plants
- Critical Signal Molecule for Plant Defenses
- Easily Transported Through Phloem

Crop Care For all types of Citrus, Vegetables, and Fruit Crops.		
Application:	Rate per acre	Frequency / Notes
Stress Recovery	8 - 32 fl. oz.	4 - 8 applications per year
Low Volume Water	8 - 16 fl. oz.	6 - 8 applications per year
High Volume Water	16 - 32 fl. oz.	3 - 4 applications per year

Visit www.growthproducts.com for supplemental spec sheet that contains specific crop recommendations

Nursery Applications		
Application	Rate	Notes
Containerized and Field Grown Crops, (including but not limited to): Deciduous and Evergreen Trees, Foliage, Ornamental Grasses, Perennials, Tropicals, Woody Ornamentals	Foliar Spray: 4 - 8 fl oz per 100 gallons water. (31 - 63 ml per 100 L water)	Repeat the application every 30 days or as needed.

FIRST AID	
IF SWALLOWED:	Call a poison center or doctor if you feel unwell: Rinse mouth.
IF IN EYES:	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center/doctor.
IF ON SKIN:	Remove contaminated clothing and wash skin with plenty of soap and water. If skin irritation occurs, get medical advice/attention.
IF INHALED:	Call a poison center or doctor if you feel unwell.

You may also contact 1-800-992-5994 day or night for emergency treatment information. If medical advice is needed, have product container or label at hand (P101), Keep out of reach of children (P102), Read label before use (P103).

STORAGE: Keep container tightly closed. May be stored in unheated area, but keep from freezing. Store in areas inaccessible to children and pets.

DISPOSAL: Dispose of contents/container in accordance with local/regional/national/international regulations. Do not reuse container.

SAR Activator Crop Application Recommendations

Crop	Rate	Application Timing / Intervals
Bananas	½ - 1 pint per acre (250 - 500 ml per hectare)	Apply every 4 - 8 weeks as a foliar spray during growth stage. Use with sufficient water to cover. Mist only to point of run-off. Use a minimum of 50 gallons of water.
Berries , such as (but not limited to): Blueberry, Blackberry, Raspberry, Strawberry	4 - 8 ounces per acre (125 - 250 ml per hectare)	Start applications after plants begin to grow. Make additional applications every 4 - 6 weeks. Use with sufficient water to cover. Mist only to point of run-off.
Bulb Vegetables , such as (but not limited to): Onions, Garlic, Shallots	4 - 8 ounces per acre (125 - 250 ml per hectare)	Start applications after plants begin to grow. Make additional applications every 4 - 6 weeks. Use with sufficient water to cover. Mist only to point of run-off.
Citrus , such as (but not limited to): Grapefruit, Lemons, Limes, Oranges, Pomelo, Tangelo, Tangerines	½ - 1 pint per acre (250 - 500 ml per hectare)	Apply every 4 - 8 weeks as a foliar spray during growth stage. Use with sufficient water to cover. Mist only to point of run-off. Use a minimum of 50 gallons of water.
Cole Crops , such as (but not limited to): Broccoli, Cauliflower, Cabbage, Brussels Sprouts, Collards	4 - 8 ounces per acre (125 - 250 ml per hectare)	Start applications after plants begin to grow. Make additional applications every 4 - 6 weeks. Use with sufficient water to cover. Mist only to point of run-off.
Cucurbits , such as (but not limited to): Cucumber, Cantaloupe, Squash, Pumpkin, Melons	4 - 8 ounces per acre (125 - 250 ml per hectare)	Start applications after plants begin to grow. Make additional applications every 4 - 6 weeks. Use with sufficient water to cover. Mist only to point of run-off.
Field Crops , such as (but not limited to): Barley, Corn, Oats, Peanut, Rice, Soybean, Sugar Beet and Wheat.	4 - 8 ounces per acre (125 - 250 ml per hectare)	Start applications after plants begin to grow. Make additional applications every 4 - 6 weeks. Use with sufficient water to cover. Mist only to point of run-off.
Fruiting Vegetables , such as (but not limited to): Peppers, Tomato, Eggplant, Okra, Tomatillo	4 - 8 ounces per acre (125 - 250 ml per hectare)	Start applications after plants begin to grow. Make additional applications every 4 - 6 weeks. Use with sufficient water to cover. Mist only to point of run-off.
Grapes , such as (but not limited to): Wine and Table Grapes	4 - 8 ounces per acre (125 - 250 ml per hectare)	Start applications after plants begin to grow. Make additional applications every 4 - 6 weeks. Use with sufficient water to cover. Mist only to point of run-off.
Grasses Grown for Seed, Sod Production, Pasture, Forage and Alfalfa	4 - 8 ounces per acre (125 - 250 ml per hectare)	Start applications after plants begin to grow. Make additional applications every 4 - 6 weeks. Use with sufficient water to cover. Mist only to point of run-off.
Herbs and Spices , such as (but not limited to): Coriander, Basil, Chives, Dill, Rosemary, Sage & Mint	4 - 8 ounces per acre (125 - 250 ml per hectare)	Start applications after plants begin to grow. Make additional applications every 4 - 6 weeks. Use with sufficient water to cover. Mist only to point of run-off.
Leafy Vegetables , such as (but not limited to): Lettuce, Celery, Spinach, Parsley, Radicchio	4 - 8 ounces per acre (125 - 250 ml per hectare)	Start applications after plants begin to grow. Make additional applications every 4 - 6 weeks. Use with sufficient water to cover. Mist only to point of run-off.
Legumes and Pulses , such as (but not limited to): Beans, Green Beans, Snap Beans, Lentils, Peas	4 - 8 ounces per acre (125 - 250 ml per hectare)	Start applications after plants begin to grow. Make additional applications every 4 - 6 weeks. Use with sufficient water to cover. Mist only to point of run-off.
Root, Tuber and Corm Vegetables , such as (but not limited to): Carrot, Potato, Sweet Potato, Beets, Ginger, Radish, Ginseng, Turnip	4 - 8 ounces per acre (125 - 250 ml per hectare)	Start applications after plants begin to grow. Make additional applications every 4 - 6 weeks. Use with sufficient water to cover. Mist only to point of run-off.
Tree Fruits and Nuts , such as (but not limited to): Almond, Apple, Apricot, Cacao, Cherry, Coffee, Filbert, Nectarine, Olive, Peach, Pear, Pecan, Pistachio, Plum, Prune, Quince and Walnut	½ - 1 pint per acre (250-500 ml per hectare)	Apply every 4 - 8 weeks as a foliar spray during growth stage. Use with sufficient water to cover. Mist only to point of run-off. Use a minimum of 50 gallons of water.
Tropical / Sub Tropical Fruits , such as (but not limited to): Avocados, Coffee, Dragon Fruit, Durian, Mangos, Papaya, Pineapples, Rubber Trees	½ - 1 pint per acre (250-500 ml per hectare)	Apply every 4 - 8 weeks as a foliar spray during growth stage. Use with sufficient water to cover. Mist only to point of run-off. Use a minimum of 50 gallons of water.

The following precautionary statements and pictograms are based on The Globally harmonized System of Classifications and Labeling of Chemicals (GHS) and are mandated by the Occupational Safety and Health Administration (OSHA)



WARNING

H302 Harmful if Swallowed
H320 Causes Eye Irritation

Manufactured By:



G.P. SOLUTIONS™

Condition of Sale and Warranty: Growth Products, Ltd. warrants that the product conforms to its chemical description and is reasonably fit for the purpose stated on the label only when used in accordance with label directions under normal conditions of use. Handling, storage and use of the product by Buyer or User are beyond the control of Growth Products, Ltd. and Seller. Risks such as crop injury or other unintended consequences resulting from, but not limited to, weather or soil conditions, presence of other materials, disease, pests, drift to other crops or property, or failure to follow label directions will be assumed by Buyer or User. IN NO CASE WILL GROWTH PRODUCTS, LTD. OR SELLER BE HELD LIABLE FOR CONSEQUENTIAL, SPECIAL, OR INDIRECT DAMAGES RESULTING FROM THE HANDLING, STORAGE OR USE OF THIS PRODUCT.

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