

PEEL
HERE



Sunergist[®] EBR

Plant elicitor & yield enhancer

ACTIVE INGREDIENT:	By wt.
24-Epibrassinolide.....	0.01%
OTHER INGREDIENTS:	99.99%
TOTAL:	100.00%

KEEP OUT OF REACH OF CHILDREN
CAUTION

See label booklet for complete Precautionary Statements,
Directions for Use, and Storage and Disposal.

MANUFACTURED FOR:

Suntton International Inc.
9127 Highway 431 South, Suite C
Owens Cross Roads, AL 35763

EPA REG. NO. 92983 - 2

1 EPA Est. No.89146-CA-001
2 EPA Est. No.89146-GA-001

Net Contents: 1 Qt. (0.94L)



PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Harmful if absorbed through skin. Avoid contact with skin, eyes, or clothing. Harmful if inhaled. Avoid breathing spray mist. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

PERSONAL PROTECTION EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Shoes plus socks
- Waterproof gloves

USER SAFETY RECOMMENDATIONS

Users should:

- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

For terrestrial uses: Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high-water mark. Do not contaminate water when disposing of equipment wash water or rinsate.

First Aid	
If on skin:	<ul style="list-style-type: none">• Take off contaminated clothing.• Rinse skin immediately with plenty of water for 15-20 minutes• Call a poison control center or doctor for treatment advice.
If inhaled:	<ul style="list-style-type: none">• Move person to fresh air.• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.• Call a poison control center or doctor for further treatment advice.
Hot Line Number	
Have the product container or label with you when calling a poison control center or doctor or going for treatment. For general information on product use, etc., call the National Pesticides Information Center at 1-800-858-7378. For emergencies, call the poison control center at 1-800-222-1222.	

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Follow all direction on the EPA approved label and any supplemental labeling.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handler may be in the area during application. For any requirements specific to your State or Tribe, consult the State or Tribal agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on the label about personal protective equipment, restricted-entry interval, and notification to workers.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of **4 hours**.

For early entry into treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, wear:

- Coveralls
- Shoes plus socks
- Waterproof gloves

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box only apply to uses of this product that are NOT within the scope of the Worker Protection Standard for Agricultural Pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, nurseries, or greenhouse.

Do not enter or allow people (or pets) to enter the treated area until sprays have dried.

GENERAL INFORMATION

SUNERGIST® EBR is a special formulated product that contains 24-Epibrassinolide plant growth regulator (PGR) found in nature that stimulates seeding and plant growth and improves root development.

SUNERGIST® EBR improves the physiological and biochemical processes involved in crop growth and development.

- Synergistically acts with other endogenous PGRs
- Promotes cell division and cell elongation
- Promotes seed germination & seedling growth.
- Enhances the plant tolerance to adverse environmental stress (saline, drought, low & elevated temperature)
- Enhances the plant tolerance to adverse biotic stress (Fungi and virus diseases)
- Improvement of photosynthesis and translocation of assimilates
- Better pollination and fruit set and yield increase
- Even and early bud break on certain crops
- Enhances quality of produce

AGRICULTURAL USES

SPRAY VOLUME (IN GALLONS) PER ACRE

Crop	Ground		Aerial
	Dilute	Concentrate	
Vegetables, Field Crops	15	15	5
Small fruits, vines, Miscellaneous	100	25	15
Pome Fruits, Stone Fruits Tree/nut crops /nuts & Crops	200	50	20
Citrus	300	100	20

Spray volume applied per acre will differ depending upon the stage of plant growth, equipment used, and the specific crops. Apply sufficient water volume to ensure thorough coverage on entire plants.

Do not apply this product through any type of irrigation system.

Compatibility: **SUNERGIST® EBR** compatibility with other agricultural products requires testing for crop safety and performance prior to large-scale use. Products mixed with **SUNERGIST® EBR** must not be in alkaline (pH >7) solution.

SUNERGIST® EBR can be mixed with any product having a pH less than 7. If rain occurs within 2 hours after initial application, a repeat application may be necessary.

Spray Adjuvant: Use commercially registered **Non-Ionic** surfactant and penetrant adjuvant at a label rate approved for use on respective crops for all applications of **SUNERGIST® EBR**.

FOLIAR APPLICATION INSTRUCTIONS

Crop	Amount of product in Fl. Oz./ 10 gals water	Application timing	Remarks
Brassica Head and Stem Vegetables (Crop Group 5-16), such as: Broccoli, Cauliflower, Cabbage, and Mustard Greens	0.6-1.2	1st. Spray at 3-5 leaf stage or immediately after transplanting/ transplant water mixing. 2nd. Spray at early head forming /rosette stage	
Oilseeds (Crop Group 21), Such as: Canola, Sunflower, Rapeseed	0.6-1.2	1st. Seedling stage 2nd. 50% blooming stage	
Cereal Grains (Crop Group 15), such as: Corn (Sweet, field and Popcorn), Wheat, Rice, Sorghum, Barley, Rye	0.6-1.2	1st. Spray at V2-V3 2nd. V10-11 stage-Trumpt stage- 1st. Tiller stage 2nd. Flag stage 3rd. Anthesis for tolerance on heat, cold and low light stresses	Reduce bare tips on corn Application on anthesis enhances yield.
Cotton	0.6-1.2	1st. At 4-6 true leaf stage 2nd. 80% blooming 3rd. 3-4 days after petal fall to prevent boll shedding	For cold tolerance on needed bases
Cucurbit Vegetables (Crop Group 9), such as: Cucumber, Muskmelon, Cantaloupe, Summer Squash, Watermelon and Honeydew	0.6-1.2	1st. At initial blooming stage 2nd-4th. 3-4 times at 7 days interval	
Fruiting vegetables (Crop Group 8-10), such as: Eggplants, Peppers and Tomato.	0.6-1.2	1st. 5-7 days after first flower 2nd. 10-14 days after 1st spray 3rd. 10-14 days after 2nd spray	Spray 2-3 days prior to anticipated heat stress
Leafy Vegetables (Crop Group 4-16), such as: Celery, Head lettuce, Leaf lettuce, Spinach, Mustard greens	0.6-1.2	1st. Early seedling stage 2nd. 10-14 days after 1st spray 3rd. 10-14 days after 2nd spray	
Legume Vegetables (Crop Group 6) (Succulent or dry), such as: Peas, Soybean	0.6-1.2	1st. Early seedling stage 2nd. Full bloom -early pad stage 3rd. 10-14 days after 2nd spray	
Peanut	0.6-1.2	1st. 15 days after 1st flower 2nd. 14 days after 1st spray 3rd. 14 days after 2nd spray	Better pegging

FOLIAR APPLICATION INSTRUCTIONS *CONT.*

Crop	Amount of product in Fl. Oz./ 10 gals water	Application timing	Remarks
Tuber Vegetables (Crop Group 1) , such as: Potato and Yam.	0.6-1.2	1st. 6-8 leaf stage 2nd. 12-16 leaf stage for small tuber varieties 2nd. Tuber formation stage for large tuber varieties	
Citrus fruits (Crop Group 10-10) , such as: Sweet orange, Lemon and Grapefruit	6.0-12.0 fl.oz in 100 gals of water	1st. 5-10 days after first flower 2nd. Apply when fruit size is 5 mm	To increase doubles Additional sprays may be needed.
Berries and small fruit; Such as: Blue berry	0.6-1.2	1st. Bud break spray 2nd . 50-80% flowering stage 3rd. Small fruit stage	Additional spray 2-3 days before forecasted heat stress
Grape	0.6-1.2	Table grape: 1st. Thinning spray 2nd. Small fruit sizing spray Wine grape: 1st. 50-80 % flowering stage 2nd. Early small fruit stage (2-5 mm)	Spray (use high rate) 40 day before anticipated bud break for uniform bud break
Tree nuts. Such as: Almond	6.0-12.0 fl.oz in 100 gals of water	1st Application 50-80% blooming 2nd. Small nut stage	Improve pollination & net set and quality
Bulb Vegetables (Crop Group 3-07). Such as: Garlic and onion	0.6-1.2	1st. early seedling stage 2nd. Bulb forming stage	

DRENCH APPLICATION OF SUNERGIST EBR ON CROPS

Crop	Amount of SUNERGIST® EBR (fl. oz.)	Application Timing
Brassica Vegetables such as broccoli, cauliflower and cabbage.	0.6 fl. oz. per 10 gallons water	1st treatment at time of transplant. 2nd treatment 10-14 days after first application. Spray immediately after transplanting.

IN-FURROW APPLICATION OF SUNERGIST EBR ON CROPS

Crop	Amount of SUNERGIST® EBR (fl. oz.)	Application Timing
Field Corn Grain Sorghum Wheat, Barley, Oats, Rye Other in-furrow at planting crops	1.2-1.8 fl. oz. per acre Or 0.6 fl. oz. per 10 gallons water	Apply at planting in the seed furrow or 2 inches beside and 2 inches below seed or with a strip till machine 3 inches below the seed. Can be applied with or without starter fertilizer.

SEED TREATMENT

Apply SUNERGIST® EBR as a seed treatment at the rate of 1.0-1.5 fl. oz per 100 lbs of seed. Sunergist EBR may be applied as a water-based slurry through standard slurry or mist-type commercial seed treatment equipment or grower's hopper box. This slurry (totaling 6 fluid ounces) may be composed of water or in combination with EPA registered broad spectrum seed treatment fungicide/ Insecticide or plant nutritional products.

All seed treated with this product must be colored with an EPA-approved dye or colorant that impart an unnatural color to the seed to help prevent the inadvertent use for treated seeds for food, feed or oil purposes.

TURF

For Sod Grass: Apply SUNERGIST® EBR by commercial ground sprayer using 20-40 gallons of water per acre. Use 1.2 fl. oz. per 10 gallons of water at a 1:2,000 dilution rate.

For Turfgrass: Warm and cool climate grasses such as St. Augustine, Bermuda, Centipede, bluegrass, Rye, and Fescue: Use 0.12-0.60 fl. oz./1-5 gallons of water per 1,000 sq. ft. For Dichondra: Use 0.6-1.2 fl. oz./1-5 gallons of water per 1,000 sq. ft.

Make application at 2-week intervals for a total of 5 applications during the growing season.

ORNAMENTALS

For greenhouse and nursery ornamentals such as foliage plants, bedding and flowering plants, woody ornamentals, garden grown fruit trees, and garden grown food crops, follow the use directions in the table below:

For Plants Less Than 2 Years Old	For Plants Greater Than 2 Years Old
Dilute 0.6 fl. oz. of SUNERGIST® EBR in 10 gallons of water (1:2000 dilution rate). Apply by using a commercial greenhouse/nursery hand sprayer. Repeat application at 10- to 14-day intervals when required. Apply 1-2 weeks prior to sale. Uniform and thorough coverage is necessary	Dilute 1.2 fl. oz. of SUNERGIST® EBR in 10 gallons of water (1:1,000 dilution rate) Apply by using a commercial greenhouse/nursery hand sprayer. Repeat application at 10- to 14-day intervals when required. Apply 1-2 weeks prior to sale. Uniform and thorough coverage is necessary.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

PESTICIDE STORAGE: Store in original container in a cool, dry locked place out of the reach of children and out of direct sunlight.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Non-refillable container. Do not reuse or refill this container. Triple rinse (or equivalent). Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/43 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for alter use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

LIMITED WARRANTY AND DISCLAIMER

NOTICE: Sunnton International Inc. warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the Directions For Use. Buyer assumes all risks of use and handling which is a variance in any way with the directions herein. Sunnton International Inc. makes no other express or implied warranty of fitness or merchantability. In no case shall Sunnton International Inc. or the seller be liable for consequential, special or indirect damages resulting from the use or handling of this product.

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