

BROAD SPECTRUM, CONTACT FOLIAR BIOPESTICIDE FOR CONTROL OF A VARIETY OF INSECTS, DISEASES AND MITES ON AGRICULTURAL CROPS.

ACTIVE INGREDIENTS:

Cinnamon Oil	60.0 %
OTHER INGREDIENTS:.....	40.0 %
Potassium oleate	
TOTAL	100.0 %

CINNERATE is an innovative formulation to obtain pest control. It has high content in essential oils, having characterized different phenolic and monophenolic present in cinnamon oil. CINNERATE has an eradivative effect against many fungal pathogens but also against pests and mites.

CINNERATE disrupts the functioning of cell membranes as well as inhibits the growth and promote dehydration.

KEEP OUT OF REACH OF CHILDREN

CAUTION

FIRST AID

IF IN EYES: Flush with plenty of water. Seek medical attention if irritation persists.

IF ON SKIN: Wash with soap and water.

Take the product's label or container with you when seeking medical attention.

PRECAUTIONARY STATEMENTS

Hazards to Humans and domestic animals.

Caution.

May cause eye and skin irritation. May cause dermal sensitization. Avoid contact with eyes, skin and clothing. Use eye protection and gloves. In case of contact, immediately flush eyes or skin with plenty of water. Get medical attention if irritation persists.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For emergency information, call the National Pesticides Information Center at 1-800-858-7378, 7:30 AM to 3:30 PM, Pacific time (PT), Mon. – Fri. During other times, call the Poison Control Center at 1-800-222-1222.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Persons handling concentrate are recommended to wear:

- Protective eyewear.
- Chemical resistant gloves made of neoprene, nitrile or natural rubber.

User Safety Recommendations

User should wash its hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove clothing immediately if the product gets inside. Wash thoroughly and put on clean clothing. Remove PPE after handling this product. Wash the outside of the gloves before removing. The application of CINNERATE does not modify odor or taste of the commodities. Crops can be consumed without a security period of time after application.

CINNERATE



Batch:

Expiration date:

Net content:

seipasa®

DIRECTIONS FOR USE

CINNERATE is an organic contact fungicide, insecticide and miticide.

PESTS: Aphids, sharpshooter aphids, leafhoppers, whiteflies, thrips, ligus bugs, stink bugs, box elder bugs, tomato pin worm, cabbage looper, fruit worms, San Jose scale, alfalfa weevil larvae, armyworm, mealy bugs gape berry moth, walnut husk fly adults, apple maggot, peachtwig borer, codling moth.

MITES: including but not limited to: two spotted spider mite, rust mites, European red mite, etc.

DISEASES: such as powdery mildew and sporulated forms of fungi as *Botrytis cinerea*, *Fulvia fulva*, etc.

Not for aquatic use.

APPLICATION

For best results, spray coverage should be uniform and complete. Spray droplet size should be adjusted to maximize coverage, minimize drift, and allow direct contact with as many pathogens (insects, mites, fungi) as possible. **Use lower rates for light to moderate pest pressure and higher rates for heavy infestations.**

CINNERATE can be applied to crops at any time up to and including the day of harvest. **Begin spraying when pest first appear; do not wait until plants are heavily infested. Repeat as needed (5-day minimum interval) to maintain desired level of control.** There are no restrictions on the number of applications per season.

Always follow these directions: Apply in early morning or late afternoon. Spray directly onto pest(s) or pathogen(s). Apply before noticeable foliar damage occurs. Thorough spray coverage is essential for good pest control.

MIXING INSTRUCTIONS

Shake well before using. The use of adjuvants (spreaders and/or penetrants) is highly recommended for improving performance. Fill spray tank ½ full with intended amount of water (>45°F). Add CINNERATE at recommended rate, then other products as desired, and continue filling with water. In areas with hard water (>200 ppm), addition of a water softener is recommended before adding this product to the spray

tank. Maintain agitation while mixing and during application for best results. Always clean tank, pump and lines thoroughly with water after use.

Mix CINNERATE with only those chemicals that are registered for us on specific crop to be treated.

GROUND SPRAY

Spray-to-wet applications of this product may be made with standard field sprayers and backpack or other hand-held spray equipment.

AERIAL SPRAY

Prior to application, check the aircraft/helicopter spray equipment for uniformity of spray pattern, spray width and output. Apply a minimum of 15 gallons per acre of diluted product. Optimum results are obtained when plant foliage is not too dense. **COVERAGE IS ESSENTIAL FOR GOOD CONTROL.** Use an output that will ensure optimum product penetration and coverage. Make aerial applications when the wind velocity favors on-target product deposition (approximately 3 to 10 mph). Do not apply when wind velocity exceeds 15 mph. Low humidity and high temperature increase the evaporation rate of spray droplets and therefore the likelihood of good coverage. Use the largest droplet size consistent with good pest control. Formation of very small droplets may be minimized by appropriate nozzle selection, by orientating nozzles away from the air stream as much as possible, and by avoiding excessive spray boom pressure. Spray should be released at the lowest height consistent with pest control and flight safety. Application more than 10 feet above the crop canopy is not recommended.

This product has not been registered by the U.S. Environmental Protection Agency (EPA). SEIPASA SA represents that this product qualifies for 25(b) exemption from registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA).



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MADE IN SPAIN

PLANT SAFETY AND COMPATIBILITY

Rate recommendations are based on product testing on a wide variety of plants. However, not all plant species/varieties/cultivars have been tested with this product, applied alone or with possible spray mix combinations (adjuvants, fertilizers, or other pesticides). We recommend testing all tank mix combinations for physical compatibility and plant safety. Test spray a few leaves with intended spray mix 1 day before spraying entire plant. Do not use if leaf burn or spotting is observed. Use with care on plants with tender tissue. Do not apply to wilted or otherwise stressed plants, or to newly transplanted material prior to root establishment. Do not apply when the temperature is >90°F. Consult your dealer or distributor for specific recommendations. This product cannot be mixed with any product containing a label prohibition against such mixing. Do not exceed label dosage rate.

RATE RECOMMENDATIONS

Begin spraying when insects first appear; do not wait until plants are heavily infested. Repeat as needed (5-day minimum interval) to maintain desired level of control. There are no restrictions on the number of applications per season. Use the higher rate and shorter intervals when pest pressure increases or a severe infection has occurred.

For the control of the **different pests: mites and soft bodied insects, piercing and sucking pest, powdery mildew, botrytis and rusts, use CINNERATE** as indicated in the following table.

Crops including but not limited to:

Fruit and nut trees (including but not limited to)	
Crop	Application rate
Almonds, Apricots, Apple, Cherries, Citrus, Nectarines, Peaches, Pears, Pecans, Pistachio, Plums, Prunes, Walnuts	Mix 13-25 fl. oz. of CINNERATE in 100 gallons of water. Apply 85-500 gallons of CINNERATE solution per acre.

Vegetable crops (including but not limited to)	
Crop	Application rate
Asparagus, Bean, Beet, Broccoli, Cabbage, Carrot, Cauliflower, Celery, Cucumber, Eggplant, Garlic, Leek, Lettuce, Melon, Okra, Onion, Pepper, Potato, Pumpkin, Radicchio, Shallots, Spinach, Squash, Swiss chard, Tomato	Mix 13-30 fl. oz. of CINNERATE in 100 gallons of water. For small water application crops: Apply 20 gallons per acre. For crops < 20 inches: Apply 85-100 gallons per acre. gallons of CINNERATE solution per acre. For crops 20-50 inches: Apply 100-160 of CINNERATE solution gallons per acre. For crops >50 inches: Apply 160-210 gallons of CINNERATE solution per acre.

Small fruit, berries and vine crops (including but not limited to)	
Crop	Application rate
Blueberries, Bushberries, Caneberries	Mix 13-30 fl. oz. of CINNERATE in 100 gallons of water. Apply 85-500 gallons of CINNERATE solution per acre.
Strawberries	
Grapes	Mix 13-35 fl. oz. of CINNERATE in 100 gallons of water. Apply 85-500 gallons of diluted CINNERATE solution per acre.

Field crops (including but not limited to)	
Crop	Application rate
Cotton, Cereal grain, Dry beans, Field corn, Grasses grown for seed, Lentils, Sugar beets, Sweet corn, Tobacco, Hops	Mix 13-30 fl. oz. of CINNERATE in 100 gallons of water. For crops < 20 inches: Apply 85-100 gallons of CINNERATE solution per acre. For crops 20-50 inches: Apply 100-160 gallons of CINNERATE solution per acre. For crops >50 inches: Apply 160-210 gallons of CINNERATE solution per acre. Aerial application: a minimum of 15 gallons per acre.

Tropical and other fruit (including but not limited to)	
Crop	Application rate
Avocados, Bananas, Figs, Mangoes, Papaya, Pomegranate, Pineapple	Mix 13-25 fl. oz. of CINNERATE in 100 gallons of water. Apply 85-125 gallons of CINNERATE solution per acre.

Herbs, Pasture, Ornamentals and Forest (including but not limited to)	
Crop	Application rate
Alfalfa, Basil, Chives, Cilantro, Dill, Mint, Oregano, Parsley, Pasture	Mix 13-30 fl. oz. of CINNERATE in 100 gallons of water. Apply 85-100 gallons of CINNERATE solution per acre.
Ornamentals: turf, lawn, golf courses	Mix 13-30 fl. oz. of CINNERATE in 100 gallons of water. For crops < 20 inches: Apply 85-100 gallons of CINNERATE solution per acre. For crops 20-50 inches: Apply 100-160 gallons of CINNERATE solution per acre. For crops >50 inches: Apply 160-210 gallons of CINNERATE solution per acre.
Pine trees	Mix 13-25 fl. oz. of CINNERATE in 100 gallons of water. Apply 85-125 gallons of CINNERATE solution per acre.

Note to User: Unintentional consequences such crop injury may result due to environmental or growing conditions, manner of use or application. Because plant tolerance of pesticides varies as conditions vary, treat a few plants under conditions unexpected to be encountered and observe for plant damage prior to full-scale application to large number of plants.

STORAGE AND DISPOSAL

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

Pesticide Storage: Store in original container in a cool, well-ventilated area away from children, animals, foods, feeds and seeds. Avoid excessive heat and freezing temperatures. Keep container tightly closed during storage.

Product Disposal: Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

Container Handling: Triple rinse (or equivalent) during mixing and loading. Recycling decontaminated containers is the best option of container disposal. The Agricultural Container Recycling Council (ACRC) operates the national recycling program. To contact your state or local ACRC recycler, visit the ACRC web page at www.acrecycle.org. Decontaminated containers may also be disposed of in a sanitary landfill.

WARRANTY AND CONDITIONS OF SALE

SELLER OFFERS AND THE BUYER ACCEPTS THIS PRODUCT UNDER THE FOLLOWING AGREED TERMS AND CONDITIONS OF SALE AND WARRANTY.

The directions for the use of this product are believed to be reliable and should be followed carefully. However, it is impossible to take into account all the variables and to eliminate risks associated with its use. Injury or damage may result because of conditions that are beyond the control of the SELLER.

SELLER warrants that this product conforms to the chemical description on this label and is believed to be reasonably fit for the purposes stated on this label when used in accordance with the directions on this label under conditions of normal use.

SELLER MAKES NO WARRANTIES OF MERCHANTABILITY OR FITNESS OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

To the fullest extent permitted by law, the SELLER shall not be liable for consequential, special or indirect damages resulting from the use or handling of the product. Any variation or exemption from this warranty must be in writing and signed by authorized representative or the seller.