

PMRA Approved label – BB

2023-0144

SEP-2023

Last approved label: 2022-6185 dated 2023-06-07

BIOCERES G EC

COMMERCIAL

Biological Mycoinsecticide

Emulsifiable Concentrate

For reduction in numbers of whiteflies, aphids, thrips and two-spotted spider mites in greenhouse tomatoes, cucumbers, lettuces, eggplants, peppers, Asian water spinach, herbs and spices (Crop Group 19 and 25), Brassica vegetable transplants, onion transplants, sweet potato slips, strawberry and ornamentals; and in cannabis (marihuana) produced commercially indoors.

For the reduction in numbers of Colorado potato beetles in greenhouse eggplant.

KEEP OUT OF REACH OF CHILDREN

READ THE LABEL BEFORE USING

POTENTIAL SKIN SENZITIZER

WARNING EYE IRRITANT

Warning, this product contains the allergen soy.

ACTIVE INGREDIENT: *Beauveria bassiana* strain ANT-03 contains at least 1×10^{10} spores (conidia)/mL

REGISTRATION NO 33493 PEST CONTROL PRODUCTS ACT

Net Contents: 1 to 20 Litres

Lot No.

Date of manufacture: _____

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PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN

May cause sensitization. Causes eye irritation. DO NOT get in eyes.

Avoid contact with skin and clothing.

Avoid inhaling/breathing mist.

Wear waterproof gloves, long-sleeved shirt, long pants, goggles, socks and shoes, as well as NIOSH-approved particulate filtering facepiece respirator with any N, R or P filter when handling, mixing/loading or applying the product and during all clean-up/repair activities. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before re-use.

Re-entry Interval (REI): DO NOT re-enter or allow re-entry into treated areas for 4 hours or until sprays have dried, unless wearing appropriate personal protective equipment including long sleeved shirt, long pants, waterproof gloves, socks and shoes.

FIRST AID

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control centre or doctor for treatment advice.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control centre or doctor for treatment advice.

IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control centre or doctor for further treatment advice.

IF SWALLOWED: Call a poison control centre or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control centre or doctor. Do not give anything by mouth to an unconscious person.

Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

TOXICOLOGICAL INFORMATION:

Treat symptomatically.

ENVIRONMENTAL PRECAUTIONS:

The potential effects of this product on some non-target beneficial insects and pollinators, that may be used in greenhouse Integrated Pest Management Programs (IPM), are not known. May be harmful to beneficial insects. Avoid direct contact with beneficial insects when using spray applications. This product may be toxic to bees exposed to direct treatment, or drift. **DO NOT** apply this product while bees are actively foraging. **DO NOT allow effluent or runoff from greenhouses containing this product to enter lakes, streams, ponds or other waters. DO NOT contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.**

As this product is not registered for the control of pests in aquatic systems, **DO NOT** use to control aquatic pests.

STORAGE

Can be stored up to 18 months at 4°C in a refrigerator or for 6 months at room temperature (20-25 °C) Tightly reclose the container of unused product.

The BIOCERES G EC contains live spores of the naturally occurring fungus, *B. bassiana strain ANT-03*. Spores may be damaged by storage at high temperatures (higher than 25°C) or contact with water for more than 24 hours.

To prevent contamination, store this product away from food or feed.

GENERAL INFORMATION

BIOCERES G EC is an emulsifiable concentrate formulation containing live spores of the naturally occurring fungus *B. bassiana strain ANT-03* as the active ingredient.

BIOCERES G EC reduces numbers of:

Whiteflies, aphids, thrips and two-spotted spider mites in greenhouse tomatoes, cucumbers, lettuces, eggplants, peppers, herbs and spices (Crop Group 19* and 25**), Brassica vegetable transplants, onion transplants, sweet potato slips, Asian water spinach (tung choy, kankon, rao muong), mint, strawberry and ornamentals; and in cannabis (*marihuana*) produced commercially indoors. Colorado potato beetles in greenhouse eggplants.

***Crop Group 19: Herbs and Spices:** allspice, angelica, anise seeds, star anise, annatto seeds, balm (lemon balm), basil, borage, burnet, chamomile, caper buds, caraway, black caraway, cardamom, cassia bark, cassia buds, catnip, celery seeds, chervil (dried), chive, Chinese chive, cinnamon, clary, clove buds, coriander leaves (cilantro or Chinese parsley), coriander seeds, costmary, culantro leaves, culantro seeds, cumin, curry leaves, dill (dillweed), dill seeds, common fennel, Florence fennel seeds, fenugreek, grains of paradise, horehound, hyssop, juniper berry, lavender, lemongrass, lovage leaves, lovage seeds, mace, marigold, marjoram (includes sweet or annual marjoram, wild marjoram or oregano and pot marjoram), mustard seeds, nasturtium, nutmeg, parsley (dried), pennyroyal, black pepper, white pepper, poppy seeds, rosemary, rue, saffron, sage, savory (summer and winter), sweet bay (bay leaf), tansy, tarragon, thyme, vanilla, wintergreen, woodruff and wormwood.

****Crop group 25:** Agrimony (fresh leaves) Agrimony (dried leaves); Amla (fresh leaves); Amla (dried leaves); Angelica (fresh leaves); Angelica (dried leaves); Angelica, fragrant (fresh leaves); Angelica, fragrant (dried leaves); Applemint (fresh leaves); Applemint (dried leaves); Avarum (fresh leaves); Avarum (dried leaves); Balm (fresh leaves); Balm (dried leaves); Balloon pea (fresh leaves); Balloon pea (dried leaves); Barrenwort (dried leaves); Barrenwort (fresh leaves); Basil (fresh leaves); Basil (dried leaves); Basil, American (fresh leaves); Basil, American (dried leaves); Basil, Greek (fresh leaves); Basil, Greek (dried leaves); Basil, holy (fresh leaves); Basil, holy (dried leaves); Basil, lemon (fresh leaves); Basil, lemon (dried leaves); Basil, Russian (fresh leaves); Basil, Russian (dried leaves); Bay (fresh leaves); Bay (dried leaves); Bearberry (fresh leaves); Bearberry (dried leaves); Bisongrass (fresh leaves); Bisongrass (dried leaves); Blue mallow (fresh leaves); Blue mallow (dried leaves); Boneset (fresh leaves); Boneset (dried leaves); Borage (fresh leaves); Borage (dried leaves); Borage, Indian (fresh leaves); Borage, Indian (dried leaves); Burnet (fresh leaves); Burnet (dried leaves); Burnet, garden (fresh leaves); Burnet, garden (dried leaves); Burnet, salad (fresh leaves); Burnet, salad (dried leaves); Butterbur (fresh leaves); Butterbur (dried leaves); Calamint (fresh leaves); Calamint (dried leaves); Calamint, large-flower (fresh leaves); Calamint, large-flower (dried leaves); Calamint, lesser (fresh leaves); Calamint, lesser (dried leaves); Calendula (fresh leaves); Calendula (dried leaves); Caltrop (fresh leaves); Caltrop (dried leaves); Camomile, Chamomile (fresh leaves); Camomile , Chamomile) (dried leaves); Camomile , Chamomile (German, fresh leaves); Camomile , Chamomile (German, dried leaves); Camomile , Chamomile (Roman, fresh leaves); Camomile , Chamomile (Roman, dried leaves); Caraway (fresh leaves); Caraway (dried leaves); Cat's claw (fresh leaves); Cat's claw (dried leaves); Catnip (fresh leaves); Catnip (dried leaves); Catnip, Japanese (fresh leaves); Catnip, Japanese (dried leaves); Celandine, greater (fresh leaves); Celandine, greater (dried leaves); Celandine, lesser (fresh leaves); Celandine, lesser

(dried leaves); Celery (dried leaves); Centaury (fresh leaves); Centaury (dried leaves); Chaste tree (fresh leaves); Chaste tree (dried leaves); Chervil (dried leaves); Chinese chaste tree (dried leaves); Chinese chaste tree (fresh leaves); Chinese blackberry (fresh leaves); Chinese blackberry (dried leaves); Chinese foxglove (fresh leaves); Chinese foxglove (dried leaves); Chive (dried leaves); Chive, Chinese (dried leaves); Cicely, sweet (fresh leaves); Cicely, sweet (dried leaves); Cilantro (dried leaves); Clary (fresh leaves); Clary (dried leaves); Coriander, Bolivian (fresh leaves); Coriander, Bolivian (dried leaves); Coriander, Vietnamese (fresh leaves); Coriander, Vietnamese (dried leaves); Costmary (fresh leaves); Costmary (dried leaves); Creat (fresh leaves); Creat (dried leaves); Culantro (fresh leaves); Culantro (dried leaves); Curry leaf (fresh leaves); Curry leaf (dried leaves); Curryplant (fresh leaves); Curryplant (dried leaves); Cut leaf (fresh leaves); Cut leaf (dried leaves); Damiana (fresh leaves); Damiana (dried leaves); Dillweed (dried leaves); Dokudami (fresh leaves); Dokudami (dried leaves); Echinacea (fresh leaves); Echinacea (dried leaves); Epazote (fresh leaves); Epazote (dried leaves); Eucommia (dried leaves); Evening primrose (fresh leaves); Evening primrose (dried leaves); Eyebright (fresh leaves); Eyebright (dried leaves); Fennel, common (fresh leaves); Fennel, common (dried leaves); Fennel, Florence (dried leaves); Fennel, Spanish (fresh leaves); Fennel, Spanish (dried leaves); Fenugreek (fresh leaves); Fenugreek (dried leaves); Feverfew (fresh leaves); Feverfew (dried leaves); Field pennycress (fresh leaves); Flowers, edible, fresh, multiple species; Flowers, edible, dried, multiple species; (continued...) Fumitory (fresh leaves); Fumitory (dried leaves); Galbanum (fresh leaves); Galbanum (dried leaves); Galega (fresh leaves); Galega (dried leaves); Gambir (fresh leaves); Gambir (dried leaves); Geranium (fresh leaves); Geranium (dried leaves); Geranium, lemon (fresh leaves); Geranium, lemon (dried leaves); Geranium, rose (fresh leaves); Geranium, rose (dried leaves); Germander, golden (fresh leaves); Germander, golden (dried leaves); Goldenrod, European (fresh leaves); Goldenrod, European (dried leaves); Goldenseal (fresh leaves); Goldenseal (dried leaves); Gotu kola (fresh leaves); Gotu kola (dried leaves); Greater periwinkle (fresh leaves); Greater periwinkle (dried leaves); Guayusa (fresh leaves); Guayusa (dried leaves); Gumweed (fresh leaves); Gumweed (dried leaves); Gymnema (fresh leaves); Gymnema (dried leaves); Gypsywort (fresh leaves); Gypsywort (dried leaves); Heal-all (fresh leaves); Heal-all (dried leaves); Hemp nettle (fresh leaves); Hemp nettle (dried leaves); Honewort (fresh leaves); Honewort (dried leaves); Honeybush (fresh leaves); Honeybush (dried leaves); Horehound (fresh leaves); Horehound (dried leaves); Horsemint (fresh leaves); Horsemint (dried leaves); Horsetail (fresh leaves); Horsetail (dried leaves); Hyssop (fresh leaves); Hyssop (dried leaves); Hyssop, anise (fresh leaves); Hyssop, anise (dried leaves); Indian tobacco (fresh leaves); Indian tobacco (dried leaves); Ironwort (fresh leaves); Ironwort (dried leaves); Ivy (fresh leaves); Ivy (dried leaves); Jamaica dogwood (fresh leaves); Jamaica dogwood (dried leaves); Jasmine (fresh leaves); Jasmine (dried leaves); Labrador tea (fresh leaves); Labrador tea (dried leaves); Lavender (fresh leaves); Lavender (dried leaves); Lemongrass (fresh leaves); Lemongrass (dried leaves); Lemon verbena (fresh leaves); Lemon verbena (dried leaves); Lovage (fresh leaves); Lovage (dried leaves); Love-in-a-mist (fresh leaves); Love-in-a-mist (dried leaves); Mamaki (fresh leaves); Mamaki (dried leaves); Marigold (fresh leaves); Marigold (dried leaves); Marigold, African (fresh leaves); Marigold, African (dried leaves); Marigold, Aztec (fresh leaves); Marigold, Aztec (dried leaves); Marigold, French (fresh leaves); Marigold, French (dried leaves); Marigold, Irish lace (fresh leaves); Marigold, Irish lace (dried leaves); Marigold, licorice (fresh leaves); Marigold, licorice (dried leaves); Marigold, Mexican mint (fresh leaves); Marigold, Mexican mint (dried leaves); Marigold, signet (fresh leaves); Marigold, signet (dried leaves); Marjoram, (fresh leaves); Marjoram (dried leaves); Marjoram, pot (fresh leaves); Marjoram, pot (dried leaves); Marjoram, sweet (fresh leaves); Marjoram, sweet (dried leaves); Marshmallow (fresh leaves); Marshmallow (dried leaves); Meadowsweet (fresh leaves); Meadowsweet (dried leaves); Mint (fresh leaves); Mint (dried leaves); Mint corn, (fresh leaves); Mint corn (dried leaves); Mint, Korean (fresh leaves); Mint, Korean (dried leaves); Monarda (fresh leaves); Monarda (dried leaves); Moringa (fresh leaves); Moringa (dried leaves); Motherwort (fresh leaves); Motherwort (dried leaves); Mountainmint (fresh leaves); Mountainmint (dried leaves); Mountainmint, clustered (fresh leaves);

Mountainmint, clustered (dried leaves); Mountainmint, hoary (fresh leaves); Mountainmint, hoary (dried leaves); Mountainmint, Virginia (fresh leaves); Mountainmint, Virginia (dried leaves); Mountainmint, whorled (fresh leaves); Mountainmint, whorled (dried leaves); Mugwort (fresh leaves); Mugwort (dried leaves); Mulberry, white (dried leaves); Mullein (fresh leaves); Mullein (dried leaves); Mustard, hedge (fresh leaves); Mustard, hedge (dried leaves); Nasturtium (fresh leaves); Nasturtium (dried leaves); Nasturtium, bush (fresh leaves); Nasturtium, bush (dried leaves); Nasturtium, garden (fresh leaves); Nasturtium, garden (dried leaves); Nettle (fresh leaves); Nettle (dried leaves); Oregano (fresh leaves); Oregano (dried leaves); Oregano, Mexican (fresh leaves); Oregano, Mexican (dried leaves); Oregano, Puerto Rico (fresh leaves); Oregano, Puerto Rico (dried leaves); Oswego tea (fresh leaves); Oswego tea (dried leaves); Pandan leaf (fresh leaves); Pandan leaf (dried leaves); Pansy (fresh leaves); Pansy (dried leaves); Paracress (fresh leaves); Paracress (dried leaves); Parsley (dried leaves); Partridge berry (fresh leaves); Partridge berry (dried leaves); Patchouli (fresh leaves); Patchouli (dried leaves); Pennyroyal (fresh leaves); Pennyroyal (dried leaves); Pepper leaf, black (fresh leaves); Pepper leaf, black (dried leaves); Peppermint (fresh leaves); Peppermint (dried leaves); Perilla (fresh leaves); Perilla (dried leaves); Pill bearing spurge (fresh leaves); Pill bearing spurge (dried leaves); Pipsissewa (fresh leaves); Pipsissewa (dried leaves); Plantain, common (fresh leaves); Plantain, common (dried leaves); Rooibos (fresh leaves); Rooibos (dried leaves); Rose (fresh leaves); Rose (dried leaves); Rosemary (fresh leaves); Rosemary (dried leaves); Sage (fresh leaves); Sage (dried leaves); Sage, Greek (fresh leaves); Sage, Greek (dried leaves); Sage, Spanish (fresh leaves); Sage, Spanish (dried leaves); Sage, white (fresh leaves); Sage, white (dried leaves); Savory, summer (fresh leaves); Savory, summer (dried leaves); Savory, winter (fresh leaves); Savory, winter (dried leaves); Senna (fresh leaves); Senna (dried leaves); Siberian fir (fresh leaves); Siberian fir (dried leaves); Skullcap (fresh leaves); Skullcap (dried leaves); Small flower willow head (fresh leaves); Small flower willow head (dried leaves); Sorrel (fresh leaves); Sorrel, (dried leaves); Sorrel, French (fresh leaves); Sorrel, French (dried leaves); Sorrel, garden (fresh leaves); Sorrel, garden (dried leaves); Southernwood (fresh leaves); Southernwood (dried leaves); Spearmint (fresh leaves); Spearmint (dried leaves); Spearmint, Scotch (fresh leaves); Spearmint, Scotch (dried leaves); Spilanthes (fresh leaves); Spilanthes (dried leaves); Spotted beebalm (fresh leaves); Spotted beebalm (dried leaves); St. John's Wort (fresh leaves); St. John's Wort (dried leaves); Stevia (fresh leaves); Stevia (dried leaves); Stoneroot (fresh leaves); Stoneroot (dried leaves); Swamp leaf (fresh leaves); Tansy (fresh leaves); Tansy (dried leaves); Tarragon (fresh leaves); Tarragon (dried leaves); Thuja (fresh leaves); Thuja (dried leaves); Thyme (fresh leaves); Thyme (dried leaves); Thyme, creeping (fresh leaves); Thyme, creeping (dried leaves); Thyme, lemon (fresh leaves); Thyme, lemon (dried leaves); Thyme, mastic (fresh leaves); Thyme, mastic (dried leaves); Toon, Chinese (fresh leaves); Toon, Chinese (dried leaves); Toothed clubmoss (fresh leaves); Toothed clubmoss (dried leaves); Trailing arbutus (fresh leaves); Trailing arbutus (dried leaves); Vasaka (fresh leaves); Vasaka (dried leaves); Verbena, blue (fresh leaves); Verbena, blue (dried leaves); Veronica (fresh leaves); Veronica (dried leaves); Violet (fresh leaves); Violet (dried leaves); Watermint (fresh leaves); Watermint (dried leaves); Waterpepper (fresh leaves); Waterpepper (dried leaves); Wild bergamot (fresh leaves); Wild bergamot (dried leaves); Wintergreen (fresh leaves); Wintergreen (dried leaves); Wood betony (fresh leaves); Wood betony (dried leaves); Woodruff (fresh leaves); Woodruff (dried leaves); Wormwood (fresh leaves); Wormwood (dried leaves); Wormwood, Roman (fresh leaves); Wormwood, Roman (dried leaves); Yarrow (fresh leaves); Yarrow (dried leaves); Yellow gentian (fresh leaves); Yellow gentian (dried leaves); Yerba santa (fresh leaves); Yerba santa (dried leaves); Yomogi (fresh leaves); Yomogi (dried leaves); Also included are cultivars, varieties, and hybrids of these commodities.

DIRECTIONS FOR USE

This product may be applied with conventional hand-held, and/or ground spray equipment. Use freshly prepared spray solution each time. Begin treatment of crops at the first appearance of the insect pest. Application rates, frequency, spray coverage and insect numbers impact the speed

at which acceptable control is achieved. BIOCERES G EC is most effective when used early, before high insect populations develop. It takes 5-7 days after the first application to observe control. Reapply as necessary. Multiple applications may be required to reduce numbers of target pests.

Do not mix with fungicide. If a fungicide must be used, make the application of the fungicide at least 4 days before the BIOCERES G EC application or at least 2 days after the BIOCERES G EC application.

To assess for potential phytotoxicity, test BIOCERES G EC on a small number of plants prior to widespread application.

APPLICATION RATE

Apply at a concentration of 2-4 mL (4 mL for two-spotted spider mites and Colorado Potato Beetles) BIOCERES G EC/L water depending on insect population density. Use spray volume sufficient to cover foliage infested with insect pests. Crop size and spray equipment will determine spray volume needed. Depending on crop treated 500 to 1000 L of spray volume will typically be required for 1 ha.

MIXING INSTRUCTIONS

Use freshly prepared spray solution each time.

How to mix a solution of 2 to 4 mL BIOCERES G EC per litre of water:

1. Shake the BIOCERES G EC bottle to suspend the conidia in the formulation.
2. Add the appropriate volume of BIOCERES G EC into a spray tank containing of water.
3. Keep a constant agitation in the spray tank. An emulsifying agent may be added.

APPLICATION FREQUENCY AND TIMING

Reapply within a 7-day interval. In case of pest outbreak, the product can be used every 3-5 days. Multiple applications may be required to reduce numbers of target pests. There is no limit on number of applications.

PRE-HARVEST INTERVALS

Pre-harvest interval for BIOCERES G EC is zero (0) days and it can be applied up to the day of harvest.

DISPOSAL

1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Follow provincial instruction for any required additional cleaning of the container prior to its disposal.
3. Make the empty container unsuitable for further use.
4. Dispose of the container in accordance with provincial requirements.
5. For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.

NOTICE TO USER

This pest control product is to be used only in accordance with the directions on the label. It is an offense under the Pest Control Products Act to use this product in a way that is inconsistent with the directions on the label.