Brandt® Ecotec® Plus

Broad Spectrum Insecticide and Miticide

Powered by KeyPlex®

0 Hour REI
0 PHI

OMRI LISTED For Organic Use

ACTIVE INGREDIENTS:	
Rosemary oil	10.0%
Geraniol	5.0%
Peppermint oil	2.0%
OTHER INGREDIENTS *:	83.0%
TOTAL:	100.0%

* Isopropyl myristate, Isopropyl alcohol, Polyglycerol oleate, Butyl lactate and Vanillin.

This product has not been registered by the United States Environmental Protection Agency. Brandt Consolidated, Inc. represents that it is exempt from registration under the Federal Insecticide, Fungicide and Rodenticide Act [FIFRA § 25(b)] as a minimum risk pesticide.

For use on low-THC cannabis or medical cannabis by approved Florida Dispensing Organizations.

KEEP OUT OF REACH OF CHILDREN

⚠ WARNING

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Causes skin and eye irritation. Wear protective eyewear and gloves when mixing or handling concentrate. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Take off contaminated clothing and wash before reuse.

ENVIRONMENTAL HAZARDS: Avoid direct contact to water; not for aquatic use. Avoid release to the environment. This product may be toxic to bees. Do not apply this product or allow it to drift to blooming crops or weeds while bees are actively visiting the treatment area.

PHYSICAL OR CHEMICAL HAZARDS: COMBUSTIBLE LIQUID. Keep away from flames and hot surfaces. No smoking. In case of fire, use appropriate media to extinguish.

FIRST AID

Have the product container or label with you when calling a poison control center or doctor or going for treatment.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical attention.

IF ON SKIN: Wash with plenty of water. If skin irritation occurs, get medical attention.

STORAGE AND DISPOSAL

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

PESTICIDE DISPOSAL: Dispose of contents/container in accordance with local regulations.

CONTAINER DISPOSAL: 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.

DIRECTIONS FOR USE

Read the entire label before using this product. Use only according to label instructions.

SITES: amenity/ornamental plants, and plants/crops grown for their reproductive and/or vegetative components used for feed, food, fuel, fiber and medicinal purposes. This includes use on cannabis in states where cannabis is legal.

PESTS: mites and soft bodied, piercing and sucking insect pests such as: aphids, beetles, caterpillars (early stages), flies (maggot stage), leafhoppers, leafminers, mites, mealybugs, psyllids, scale (crawler stage), thrips and whiteflies; and liverworts.

MIXING: 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 this product 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.

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 insects as possible. Use lower rates for light to moderate insect populations and higher rates for heavy infestations. This product can be applied to crops at any time up to and including the day of harvest. 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.

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.

DRIP IRRIGATION: For soil inhabiting insects and insect stages, use 2-4 pints per acre of plant bed in 2-3 applications over a 7-14 day schedule. Set emitter spacing and line pressure to give best coverage and reduce leaching.

Important: Additional Operating Instructions for Chemigation. Review your state and local regulatory requirements before applying any pesticide, adjuvant or agricultural chemical through an irrigation system. Refer to this product's SUPPLEMENTAL LABELING FOR CHEMIGATION APPLICATIONS for additional use requirements and restrictions (Washington State only).

PLANT SAFETY: 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). 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.

RATE RECOMMENDATIONS:

CROPS grown outdoors, in greenhouses, shadehouses and nurseries; including but not limited to	**PINTS** per 100 gallons	**FL.OZ.** per 10 gallons
Root and Tuber Vegetables: Carrot, Potato, Radish, Sweet Potato, Turnip	1-4	2-6
Brassica (Cole), Bulb, Leafy and Oriental Vegetables: Broccoli, Cabbage, Cauliflower, Celery, Garlic, Lettuce, Onion, Spinach	1-4	2-6
Fruiting and Legume Vegetables: Bean, Eggplant, Lentil, Pea, Pepper, Tomato	1-4	2-6
Cucurbit Vegetables: Cantaloupe, Cucumber, Melon, Squash	1-4	2-6
CItrus and Subtropical Fruits: Banana, Grapefruit, Lemon, Mango, Orange, Papaya, Plantain	2-5	3-8
Pome and Stone Fruits: Apple, Apricot, Cherry, Nectarine, Peach, Pear, Persimmon, Plum, Pomegranate, Prune,	1-4	2-6
Small Fruits and Berries: Blackberry, Blueberry, Cranberry, Grapes (raisin, table, wine), Raspberry, Strawberry	1-4	2-6
Tree Nuts: Almond, Cashew, Pecan, Pistachio, Walnut	1-4	2-6
Cereal Grains: Corn, Sorghum, Soybean, Sweet Corn	1-4	2-6
Grass and Non-Grass Animal Feeds: Alfalfa	1-4	2-6
Herbs and Spices: Anise, Basil, Dill, Mint, Peppermint, Spearmint, Thyme, Wintergreen	1-3	2-5
Other Crops: Artichoke, Asparagus, Avocado, Coffee, Cotton, Hops, Jojoba, Mushroom, Okra, Olives, Peanuts, Pineapple, Rice, Safflower, Sesame, Sugar Cane, Sunflower, Tea, Tobacco	1-4	2-6
ORNAMENTALS - INDOORS (greenhouses, interior plantscapes, lath and shadehouses): Bedding and flowering plants, Foliage plants, Groundcovers, Shrubs, Evergreens, Ornamental trees	N/A	2-5
ORNAMENTALS - OUTDOORS (nurseries and commercial, industrial, recreational and residential outdoor landscapes): Bedding and flowering plants, Foliage plants, Groundcovers, Shrubs, Evergreens, Ornamental trees	1-4	2-6
TURF: Golf courses, Cemeteries, Parks, Sports fields, Lawns, Turfgrass grown for sod or seed	1-4	2-6
MUSHROOM HOUSES: Spray a solution of 4-8 fl. oz. per gallon on outside and inside walls, floors, and sideboards of mushroom houses after compost has been pasteurized by heating. Also spray over the plastic covering the beds and trays after spawning. Retreat as needed.		

WARRANTY

To the extent consistent with applicable law, seller warrants that this product conforms to the chemical description on this label and is reasonably fit for the purposes stated on this label only when used in accordance with directions under normal use conditions. To the extent consistent with applicable law, this warranty does not extend to use of this product contrary to label directions, or under abnormal use conditions, or under conditions not reasonably foreseeable to seller. To the extent consistent with applicable law, seller makes no other warranties, either expressed or implied.

NET CONTENTS: ___ gallons/___ liters

Brandt® Ecotec® Plus

SUPPLEMENTAL LABELING FOR CHEMIGATION APPLICATIONS (Washington State Only)

DIRECTIONS FOR USE

Irrigation Systems: Use BRANDT ECOTEC PLUS at 2 to 4 pints per acre of plant bed through any type of drip irrigation system. Always use backflow prevention valve (check-valve) when injecting into irrigation systems.

GENERAL DIRECTIONS FOR CHEMIGATION

- Calibrate the irrigation and injection system before applying this product. Calibrate the injection pump with the irrigation system fully charged at the desired operating pressure. If you have questions about calibration, you should contact state extension specialists, equipment manufacturers, or other experts.
- A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall start up, operate, or shut down the system and make necessary adjustments should the need arise.
- Check the irrigation system to insure uniform application of water. The chemigation system, which is inclusive of the irrigation equipment and chemigation apparatus, must be properly maintained.
- Do not apply when system connections or fittings leak or when emitters or sprinkler heads are not properly functioning.
- The injection unit and supply tank should be equipped with an in-line strainer with a 100-mesh or larger screen positioned between the supply tank and the injection pump. Dispose of any residue in accordance with Federal or State laws.
- The irrigation system must contain a functional check valve, vacuum relief valve, inspection port, and low-pressure drain that are appropriately sized and located on the irrigation mainline to prevent water source contamination from backflow. The injection line must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump. The injection line must also contain a functional, normally closed solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shutdown. The system must contain functional interlocking controls to automatically shut off the injection pump when the water pump motor stops. The irrigation mainline or water pump must include a functional pressure switch that will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected. Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm or piston pump), effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
- Add specified amount of this product to the water in the supply tank. Application should be in sufficient water and of sufficient duration to apply the recommended rate evenly.
- Start the water pump and irrigation system, allowing the desired pressure to be achieved throughout the irrigation system before starting the injection process.
- Apply continuously for the duration of the application period.
- Do not allow irrigation water to collect or run-off during chemigation and pose a hazard to workers, bystanders, livestock, wells, or adjoining crops.
- Once the application is completed, thoroughly flush the entire irrigation and injection system with untreated water before turning off the irrigation system. To ensure the lines are flushed and free of this product, a dye indicator may be injected into the lines to mark the end of the application period.
- Wear label prescribed personal protective equipment when making adjustments or repairs on the chemigation system when this product is in the irrigation water or residue may be present.
- Do not apply when windspeed favors drift beyond the area intended for treatment. Do not apply when system connection or fittings leak, when sprinkler heads or emitters do not provide uniform distribution or when lines containing the product must be dismantled and drained.

Using Water from Public Water Systems

Public water system means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year. Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone (RPZ), backflow preventer or the functional equivalent in the water supply line upstream from the point of adjuvant (pesticide) introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to adjuvant (pesticide) introduction. There shall be a complete physical break (air gap) between the flow outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.

Additional Operating Instructions for Chemigation

Do not connect an irrigation system (including greenhouse systems) used for adjuvant (pesticide) application to a public water system unless the label-prescribed safety devices for public water supplies are in place.

Any alternatives to the above required safety devices must conform to the "List of EPA-approved Alternative Devices."

Refer to the American Society of Agricultural Engineer's Engineering Practice 409.1 for more information about backflow safety devices.

BRANDT®

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