



## ECO-1 40

### Broad-Spectrum Insecticide, Miticide, and Fungicide

For control of insects, mites, and fungal diseases on fruits, vegetables, and ornamentals.

- Botanical Formulation
- Safe for People & Pets\*
- Made from ingredients for use on food crops
- No REI or PHI



#### ACTIVE INGREDIENTS:

Linseed Oil .....	31.00%
Rosemary Oil .....	8.00%
Thyme Oil .....	1.00%
OTHER INGREDIENTS .....	60.00%
Total .....	100.00%

#### OTHER INGREDIENTS:

Soap, Water, Polyglyceryl Oleate

### KEEP OUT OF REACH OF CHILDREN CAUTION

This product has not been registered by the United States Environmental Protection Agency. Arborjet, Inc. represents that it is exempt from registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA) Section 25(b).

May be used on low-THC cannabis or medical marijuana

Net Contents: See individual containers

\* When used as directed

Manufactured by: Arborjet Inc., 99 Blueberry Hill Road,  
Woburn, MA 01801 781-935-9070

## GENERAL INFORMATION

Eco-1 40 is a blend of botanical oils which provides broad-spectrum, control of fungal diseases, insects, and mites.

- Prevents and suppresses fungal attack of plant tissues by disrupting the cell wall of spores and hyphae
- For best results, maintain constant agitation in spray equipment
- The use of adjuvants, surfactants, and/or penetrants is not required when using this product
- For optimal performance, do not mix with cold water (less than 45°F)
- Can be applied anytime through the day of harvest
- Can be used on both indoor and outdoor plants
- Do not apply to wilted or otherwise stressed plants, or to new transplants prior to root establishment
- Do not spray ornamental flowers directly
- Exempt from residue tolerances
- Use on Vegetables, Fruits, Herbs & Spices, Roses & Ornamentals, Houseplants, Trees, and Shrubs.
- Apply to plants/crops grown for their reproductive and/or vegetative components used for feed, food, fuel, fiber, and medicinal purposes.
- Apply spray solution within 24 hours of preparation

## FOR CONTROL OF INSECTS, MITES & DISEASES

Eco-1 40 controls a wide range of soft-bodied insects and mites such as aphids, two-spotted spider mites, and whiteflies. For best results, apply when conditions favor mites and insects or at the first sign of infestation, and continue spray applications at regular intervals for season long control. Use Eco-1 40 to prevent and control diseases such as powdery mildew. For best results on diseases, apply preventatively or at the first sign of disease.

## DIRECTIONS FOR USE

Shake well before use. Read entire label and follow directions for use. Agitate spray mix well. Use any prepared solution within 24 hours of blending.

## MIXING INSTRUCTIONS

Use Eco-1 40 in handheld sprayers, pump sprayers, and foggers. For best results add Eco-1 40 to a container half full of 45°F or warmer water, agitate, and then bring up to spray volume with water and agitate well. Maintain agitation during application. When combining with other products, such as insecticides, fungicides, or fertilizers, perform a jar test first. After compatibility is verified, half-fill the tank with water, add the product, then add Eco-1 40 at half of the rate. For example the 3 ounce rate will be modified to 1.5 ounces per gallon. Always clean tank, pump, and lines thoroughly with water after use.

## USE ON GREENHOUSES, LANDSCAPES, AND NURSERIES

To control listed insects and diseases mix Eco-1 40 solution and apply using a sprayer until foliage is thoroughly wet. Maintain agitation. See table for pest specific application rates. Spray in spring prior to bud break to target overwintering eggs of mites and scales. Make applications when ambient temperatures have warmed to 50°F. In summer, avoid making applications when temperatures reach 90°F. Applications in hot weather could result in leaf injury. Exceeding the recommended label rates could also result in leaf injury. If spraying in 90°F is unavoidable, reduce rates by half and double application frequency. Make applications in the early morning or late evening. When using as a mix with other pesticides, mix the proportionate amounts in a pint jar to test for compatibility. Before making widespread applications to plants using tank mixes not previously used, spray a small area of foliage of the target plant to determine whether the mix is appropriate for use.

## APPLICATION INSTRUCTIONS

Use caution when applying Eco-1 40 to sensitive plants and avoid using the highest rates. Spray the prepared mixture to completely cover the upper and lower leaf surfaces and stems until wet, avoiding excessive runoff. Repeat applications every 7 - 14 days. Under heavy insect and disease pressure, apply product using the 7 day re-treatment interval. Under light pressure, the re-application interval may be extended, using the 14 day re-treatment interval. Continue applications at regular intervals until insect populations are controlled.

When applying the product as a dip, be sure to add an adequate amount of Eco-1 40 to fill a container that allows for full submersion of plant material to be treated. The suggested dip rates are 0.5 oz. to 1 oz of Eco-1 40 per gallon of water. Fresh solution should be prepared for every 3000 pieces of plant material treated. The solution should be used immediately and not stored. Submerge plant material completely (30-120 sec) and provide gentle agitation to ensure complete coverage. Remove the clippings from the solution and allow excess solution to drain as needed.

## APPLICATION RATES

Plant Pests including but not limited to...	Application Directions	Application Rates per Gallon*	Application Rates per 100 Gallons of Water
Aphids	Make dormant applications to target overwintering eggs (daytime temp min of 45°F). Alternatively, spray when pest first appears or injury is first observed, such as leaf curl or stippling. Thoroughly cover undersides of foliage.	1.5 – 3.0 fl. oz., dormant application 3.0 – 6.0 fl. oz. every 7 -14 days for active insects	1 - 2 gal., dormant application 2.5 - 5 gal. every 7 -14 days for active insects
Whiteflies	Spray when whiteflies (or honey dew) are first observed; repeat applications to protect new growth; thoroughly cover undersides of leaves.	3.0 – 6.0 fl. oz. every 7 -14 days	2.5 - 5 gal. every 7 -14 days
Mites	Broad host range includes trees, shrubs, bedding plants, herbs, fruit trees, roses, and palms. Warm season mites thrive when daily temps are 95° during the day and 75°F at night. Spray when temps reach 85°F when mites or stippling are first observed.	1.0 to 1.5 fl. oz. every 5 - 7 days	0.75 - 1 gal. every 7 -14 days
Powdery Mildew	Make applications to susceptible plants preventatively or when conditions favor disease development. When disease is present make applications twice a week until symptoms subside.	3.0 - 6.0 fl. oz. every 3 - 14 days	2.5 - 5 gal. every 7 -14 days

\*Use the lower rate as a preventative and when infestation or infection pressure is low. Use the higher rate when infestation or infection pressure is high

## INDOOR/GREENHOUSE AND OUTDOOR CROPS INCLUDING, BUT NOT LIMITED TO:

- Legume & Fruiting Vegetables such as: Beans, Eggplants, Lentils, Peas, Peanuts, Peppers, Tomatoes
- Bulb, Cole & Leafy Vegetables like: Broccoli, Cabbage, Cauliflower, Celery, Garlic, Lettuce, Onions, Spinach
- Root & Tuber Vegetables such as: Potatoes, Radishes, Sweet Potatoes, Turnips
- Small Fruits & Berries including: Blackberries, Blueberries, Cranberries, Raspberries, Strawberries
- Grapes and Hops
- Herbs like: Anise, Basil, Dill, Mint, Peppermint, Spearmint, Thyme, Medicinal Herbs, and Wintergreen
- Stone Fruits, Pome Fruits including: Apples, Apricots, Cherries, Peaches, Nectarines, Olives, Pears, Plums, Prunes, Pomegranates and Persimmons
- Field Crops such as: Corn, Cotton, Sorghum, Soybeans, Sweet Corn, Tobacco, Hemp

## PLANT SAFETY

Local conditions also can influence plant tolerance and may not match those under which testing has been conducted. Before using Eco-1 40, test the product on a small area to check for flower or leaf burn before using on a large scale. Use caution when applying to newly planted cuttings or plants stressed by drought. It is not recommended to apply when temperatures exceed 90°F. Do not spray ornamental flowers directly.

## PRECAUTIONARY STATEMENTS

Caution – We recommend good safety practices when using any pesticide, such as avoiding contact with eyes and skin and keeping out of the reach of children. Wear gloves and eye protection when using Eco-1 40. May be harmful if swallowed. If product gets in eyes, flush with water. If on skin, wash with soap and water. If irritation persists, contact a physician. This product poses minimal risk to wildlife, fish, and aquatic organisms. Avoid direct contact with bodies of water.

## STORAGE & DISPOSAL

Store container in a cool, dry area. Do not store near heat or open flame. Keep from freezing. Dispose of contents/container in accordance with local regulations. Offer for recycling if available or discard in trash.

## WARRANTY

Seller warrants that the product conforms to its chemical description and is reasonably fit for the purpose stated on the label when used in accordance with directions under normal conditions of use; but neither this warranty nor any other warranty of merchantability or fitness of a particular product expressed or implied, extends to the use of this product contrary to label conditions, or under conditions not reasonably foreseeable to the seller; and buyer assumes the risk of any such use.

Eco-1 is a trademark of Arborjet, Inc.

Arborjet Inc.  
99 Blueberry Hill Road  
Woburn, MA 01801  
781-935-9070

**ARBORJET**<sup>®</sup>