



## FRUIT & VEGETABLE SPRAY CONCENTRATE

### Botanical Insect, Mite & Disease Control

For use on Fruits & Vegetables, Herbs, Roses, Flowers, Houseplants, Trees & Shrubs.

- Effective Results from Botanical Oils
- Harvest Same Day
- Indoor & Outdoor Use
- Kills Aphids, Whiteflies, & Mites
- Controls Powdery Mildew & Gray Mold
- No Petroleum Solvents
- Pleasant Smell

### KEEP OUT OF REACH OF CHILDREN CAUTION

#### ACTIVE INGREDIENTS:

Linseed Oil .....	10.00%
Rosemary Oil.....	1.00%
Thyme Oil.....	0.50%
Peppermint Oil .....	0.50%

#### OTHER INGREDIENTS

Water, Polyglyceryl Oleate*, Glycerin, Isopropyl Myristate, Xanthan Gum .....	88.00%
Total .....	100.00%

\*Emulsifier allowing oil and water to mix

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

Net Contents: 8 fl. oz. (236 ml.)/0.5 lbs./0.2 kg, 32 fl. oz. (946 ml.)/2 lbs./0.9 kg, 32 ounce HES (hose end sprayer) (32 fl. oz. (946 ml.)/2 lbs./0.9 kg), 1 gallon (3785 ml.)/8 lbs./3.6 kg, 2.5 gallons (20 lbs./9.1 kg), 30 gallons (240 lbs./108.9 kg), 55 gallon drum (440 lbs./199.6 kg), and 275 gallon tote (2200 lbs./998 kg)

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

## GENERAL INFORMATION

Eco-1® Fruit & Vegetable Spray Concentrate is a blend of botanical oils which provides a broad-spectrum, contact control of fungal diseases, insects, and mites.

- For use on all plants including but not limited to vegetables, fruits, herbs & spices, roses, flowers & ornamentals, houseplants, trees, & shrubs.
- Prevents and suppresses fungal attack of plant tissues by disrupting the cell wall of spores and hyphae.
- Kills by contact, all stages of soft-bodied insects: eggs, larvae, nymphs, adults.
- For best results, maintain constant agitation in spray equipment.
- Kills by contact when applied directly to pests.
- 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 used throughout the growing season including the same day as harvest.
- Can be used on both indoor and outdoor plants and in greenhouses.
- Low impact on beneficial insects. Avoid direct contact.
- Do not apply to wilted or otherwise stressed plants, or to new transplants prior to root establishment.
- To make one quart of Eco-1 Fruit & Vegetable Spray mixture, add 3 fl. oz. of Eco-1 Fruit & Vegetable Spray Concentrate and fill remaining space with 29 fl. oz. of water.
- 32 fl. oz. of Eco-1 Fruit & Vegetable Spray Concentrate makes up to 8 gallons of solution.

## GETTING STARTED

Read entire label and use accordingly.

Eco-1 Fruit & Vegetable Concentrate controls a wide range of soft-bodied insects and mites such as aphids, mealybugs, psyllids, scales, thrips, mites, and whiteflies. For best results, apply when conditions favor mites and insects or at the first sign of infestation. Use Eco-1 Fruit & Vegetable Spray Concentrate to prevent and control various fungal diseases such as powdery mildew, early and late blight, scab, gray mold, brown rots, and leaf spots. For best results apply product preventively or when conditions favor disease development. To manage leaf spots and scab, begin applications at the first signs of spring budding; for powdery mildew, apply in midsummer or when disease is first detected.

## MIXING INSTRUCTIONS

Shake container, then mix 4 – 12 fl. oz. of Eco-1 Fruit & Vegetable Spray Concentrate per 1 gallon of water. Shake mixture well.

For best results, add Eco-1 Fruit & Vegetable Spray Concentrate to a container half full of 45°F or warmer water, agitate, and then fill with water to the desired level and agitate again. Maintain agitation during application. When combining with other products, such as insecticides, fungicides, or fertilizers, add these products first when the tank is approximately half full. Always clean tank, pump, and lines thoroughly with water after use. Note: When using hard water, it is recommended to completely fill tank with water first, then add a water softener, mix thoroughly, add Eco-1 Fruit & Vegetable Spray Concentrate and mix thoroughly.

## APPLICATION INSTRUCTIONS

Eco-1 Fruit & Vegetable Spray Concentrate is designed for use in handheld sprayers, pump sprayers, and foggers. Thoroughly apply the Eco-1 Fruit & Vegetable Spray Concentrate mixture on the upper and lower leaf and stem surfaces, especially new shoots and under-side of leaves until runoff. Repeat applications every 7 - 14 days or as needed. Multiple applications per week may be used under heavy insect and disease pressure or during rapid plant growth. Under light pressure, the application interval may be extended. Continue applications at regular intervals until insect or disease populations are sufficiently controlled.

## APPLICATION RATES

General Rate and Application Frequency Recommendations

Conditions	Rate Per Gallon of Water	Frequency
Light insect and disease pressure or slow growing plants	4-12 fl. oz.	1 application every 7-14 days
Heavy insect and disease pressure or fast growing plants	8-24 fl. oz.	1-2 applications every 7 days

Plant Pest	Pest Conditions/ When to Apply	Application Rates Per Gallon of Water
Aphids, Mealy Bugs, Psyllids, Scale Crawlers, Thrips, Whiteflies, such as: Rugose Spiraling Whitefly & Woolly whiteflies	Spray when pest first appears or injury is first observed, such as leaf curl or stippling.	6-12 fl. oz.
Mites, such as: Two Spotted Spider Mite, European Red Mite, Southern Red Mite, Broad Mite	Spray when temps reach 85°F when mites or stippling are first observed.	4-8 fl. oz.
Colorado Potato Beetle (eggs & larvae) Lily Leaf Beetle	In spring, when adult beetles first emerge, apply directly to egg masses and young larvae, spraying to runoff, thoroughly covering undersides and top of foliage. Make applications weekly as new egg masses appear for season long control	8-12 fl. oz. (eggs); 12-24 fl. oz. (larvae)

<b>Diseases Including But Not Limited To...</b>	<b>Conditions/ When to Apply</b>	<b>Application Rates Per Gallon of Water</b>
Leaf spots and Scab, Blights and Rots	At the first sign of spring budding	4-12 fl. oz.
Powdery Mildew, Gray Mold, Botrytis	Midsummer or when conditions favor disease development	4-12 fl. oz.
Scab, Rot, Blights, and Anthracnose on Nuts	Check with your local extension agent for timing recommendations	8-12 fl. oz.

## PLANT SAFETY

Local conditions also can influence plant tolerance and may not match those under which testing has been conducted. Before using Eco-1 Fruit & Vegetable Spray Concentrate, test the product in a small trial 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. Do not apply when temperatures exceed 90° F. Do not spray the blooms 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 Fruit & Vegetable Spray Concentrate. 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. 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.

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