ECO-1™
LET'S GROW TOGETHER

Safe*, Effective Results from Botanical Oils
Harvest Same Day • Indoor & Outdoor Use

GARDEN SPRAY

OMRI LISTED
For Organic Use

CONCENTRATE

BOTANICAL INSECT, MITE & DISEASE CONTROL

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



Kills Aphids, Whiteflies, & Mites



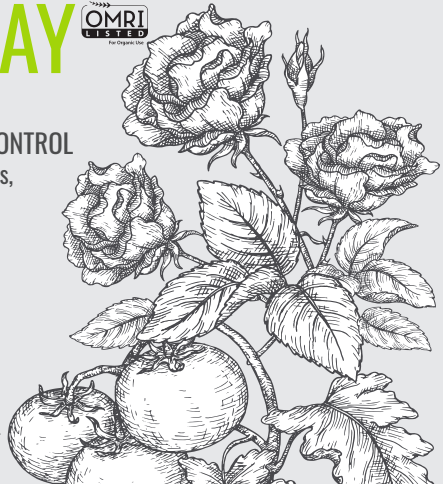
Controls Powdery Mildew, Black Spot, & Rust

Keep Out of Reach of Children

CAUTION

Net Contents: 8 fl. oz. (236 ml)

*When used as directed.



Active Ingredients:

Linseed Oil	10.00%
Thyme Oil	1.34%
Peppermint Oil	0.66%
Other Ingredients	88.00%
Total	100.00%

Other Ingredients: Isopropyl Myristate, Polyglyceryl Oleate*, Xanthan Gum, Water

*Emulsifier allowing oil & water to mix

Directions for Use

Dilute with water before use. Shake well. Read entire label and use accordingly. Spray plant surfaces until wet making applications to upper and lower leaf and stem surfaces.

This product has not been registered by the U.S. EPA. Arborjet represents that this product qualifies for exemption from registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), Section 25B.

ARBORJET

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

Eco-1 Garden Conc. (8 fl oz) 040-7310

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REV 9/2022 Eco-1™ is a trademark of Arborjet, Inc.

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

KEEP OUT OF REACH OF CHILDREN
CAUTION

ACTIVE INGREDIENTS:

Linseed Oil	10.00%
Thyme Oil	1.34%
Peppermint Oil	0.66%
Other Ingredients	88.00%
Total	100.00%

Other Ingredients: Isopropyl Myristate, Polyglyceryl Oleate*, Xanthan Gum, Water

*Emulsifier allowing oil & water to mix

Net Contents: 8 fl. oz. (236 ml)

OMRI LISTED For Organic Use

GENERAL INFORMATION

- 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.
- 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 home 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 Garden Spray mixture, add 3 fl. oz. of Eco-1 Garden Spray Concentrate to 29 fl. oz. of water.
- 8 fl. oz. of Eco-1 Garden Spray Concentrate makes up to 2 gallons of solution.

FOR CONTROL OF INSECTS, MITES & DISEASE

Eco-1 Garden Spray Concentrate controls a wide range of soft-bodied insects and mites such as aphids, mealybugs, psyllids, scales, thrips, two-spotted spider mites and whiteflies. For best results, apply when conditions favor mites and insects or at the first sign of infestation. Use Eco-1 Garden Spray Concentrate to prevent and control various fungal diseases such as powdery mildew, black spot, early and late blight, scab, gray mold, rust, brown rots, and leaf spot. For best results, apply when conditions favor disease development or at the first sign of disease. To prevent rust, leaf spot, and scab, begin applications at the first sign of spring budding. To prevent powdery mildew, apply in midsummer or when disease is first detected.

DIRECTIONS FOR USE

Shake container, then mix 1 - 3 fl. oz. of Eco-1 Garden Spray Concentrate per 1 quart of water. Shake well. Spray plant surfaces until wet making applications to upper and lower leaf and stem surfaces. Read entire label and use accordingly.

MIXING INSTRUCTIONS

Eco-1 Garden Spray Concentrate is designed for use in handheld sprayers, pump sprayers, and foggers. For best results, add Eco-1 Garden 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,

Active Ingredients:

Linseed Oil	10.00%
Thyme Oil	1.34%
Peppermint Oil	0.66%
Other Ingredients	88.00%
Total	100.00%

Other Ingredients: Isopropyl Myristate, Polyglyceryl Oleate*, Xanthan Gum, Water

*Emulsifier allowing oil & water to mix

Directions for Use

Dilute with water before use. Shake well. Read entire label and use accordingly. Spray plant surfaces until wet making applications to upper and lower leaf and stem surfaces.

How to Apply

After mixing with water, use as a spray application. Thoroughly spray Eco-1 Garden Spray Concentrate mixture on the upper and lower leaf and stem surfaces, especially new shoots and underside of leaves until wet, avoiding excessive runoff. Repeat applications every 7 - 14 days. Under heavy insect and disease pressure, use the shortest application interval. Under light pressure, the application interval may be extended. Continue applications at regular intervals until insect or disease populations are sufficiently controlled.

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Eco-1 Garden Conc. (8 fl oz) 040-7310



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 Garden Spray Concentrate and mix thoroughly.

APPLICATION INSTRUCTIONS

Thoroughly spray Eco-1 Garden Spray Concentrate mixture on the upper and lower leaf and stem surfaces, especially new shoots and underside of leaves until wet, avoiding excessive runoff. Repeat applications every 7 - 14 days. Under heavy insect and disease pressure, use the shortest application interval. Under light pressure, the application interval may be extended. Continue applications at regular intervals until insect or disease populations are sufficiently controlled.

APPLICATION RATES

PLANT PEST	**PEST CONDITIONS/ WHEN TO APPLY**	**APPLICATION RATES** Per Quart
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 wet, thoroughly covering undersides and top of foliage. Make applications weekly as new egg masses appear for season long control	2-3 fl. oz. (eggs); 3-6 fl. oz. (larvae)
Aphids, Mealy Bugs, Psyllids, Scale Crawlers, Thrips	Spray when pest first appears or injury is first observed, such as leaf curl or stippling. Thoroughly cover undersides of foliage	1-3 fl. oz.
Whiteflies, such as: Rugose Spiraling Whitefly and Woolly whiteflies	Spray when whiteflies (or honey dew) are first observed; repeat applications to protect new growth; thoroughly cover undersides of leaves	1-3 fl. oz.
Warm Season Mites, such as: Two Spotted Spider Mite, European Red Mite, Honey Locust Spider Mite, Oak Red Mite, Palm Red Mite, Broad Mite	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.	1-2 fl. oz.
Cool Season Mites: Spruce Spider Mite, Southern Red Mite	Spruce spider mites attack spruce, arborvitae, hemlock, juniper, yew and pines. Thoroughly cover all surfaces of foliage. Outbreaks occur in Apr & May; and again, in late Aug. Southern Red Mites attack broadleaf evergreens, esp., Japanese hollies and azaleas. Cool season mites proliferate when daytime temperatures are <85°F. Spray when mites or stippling are first observed.	1-2 fl. oz.

APPLICATION RATES

CROPS including but not limited to...	**DISEASES** including but not limited to...	**APPLICATION RATES** per quart & per 250 sq ft
Legume & Fruiting Vegetables Beans, Eggplants, Lentils, Peas, Peanuts, Peppers, Tomatoes	Early Blight, Early Leaf Spot, Gray Mold, Late Blight, Powdery Mildew, Bean Rust, Botrytis Neck, Pin Rot, Rust	1-3 fl. oz.
Bulb, Cole & Leafy Vegetables Broccoli, Cabbage, Cauliflower, Celery, Garlic, Lettuce, Onions, Spinach	Alternaria Leaf Spot, Gray Mold, Powdery Mildew, Botrytis Neck Rot, Pin Rot, Rust	1-3 fl. oz.
Cucurbits Cantaloupes, Cucumbers, Melons, Squashes, Watermelons	Alternaria Leaf Spot, Powdery Mildew	1-3 fl. oz.
Root & Tuber Vegetables Potatoes, Radishes, Sweet Potatoes, Turnips	Early Blight, Early Late Blight, Powdery Mildew	1-3 fl. oz.
Small Fruits & Berries Blackberries, Blueberries, Cranberries, Raspberries, Strawberries	Anthracnose Fruit Rot, Gray Mold, Powdery Mildew, Sour Rot	1-3 fl. oz.
Grapes and Hops Hops Grapes (Raisin, Table, Wine)	Powdery Mildew, Black Rot, Botrytis Bunch Rot	1-3 fl. oz.
Herbs Anise, Basil, Dill, Mint, Peppermint, Spearmint, Thyme, Wintergreen	Powdery Mildew	1-3 fl. oz.
Stone Fruits, Pome Fruits - Apples, Apricots, Cherries, Peaches, Nectarines, Olives, Pears, Plums, Prunes, Pomegranates, Persimmons	Scab, Powdery Mildew, Brown Rot, Blossom Blight, Anthracnose, Rust,Gray Mold, Cherry Leaf Spot, Brown Rot, Black Rot	1-3 fl. oz.
Citrus and Sub Tropicals - Avocados, Lemons, Grapefruit, Oranges, Papayas, Bananas, Plantains, Mangos	Alternaria Rot, Botrytis Rot, Greasy Spot, Scab, Brown Rot	1-3 fl. oz.
Nuts Almonds, Cashews, Pecans, Pistachios, Walnuts	Scab, Brown Rot, Blossom Blight, Anthracnose, Rust	2-3 fl. oz.
Field Crops Corn, Cotton, Sorghum, Soybeans, Sweet Corn, Tobacco	Leaf Spots, Anthracnose, Rust, Powdery Mildew	1-3 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 Garden 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 – Do not apply this product in a way that will contact workers or other persons, either directly or through drift. 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 Garden 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. Do not apply this product if bees or other pollinators are actively foraging.

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.

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ARBORJET®

Manufactured by: Arborjet, Inc.
99 Blueberry Hill Rd, Woburn, MA 01801

For more information please call 781-935-9070.

REV 9/2022

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GARDEN SPRAY CONCENTRATE

OMRI LISTED For Organic Use

BOTANICAL INSECT, MITE & DISEASE CONTROL

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

Safe*, Effective Results from Botanical Oils

- Harvest Same Day
- Indoor & Outdoor Use
- No Animal Derived Ingredients
- No Petroleum Solvents
- Pleasant Smell



Kills Aphids, Whiteflies, & Mites



Controls Powdery Mildew, Black Spot, & Rust



*When used as directed.

Keep Out of Reach of Children

CAUTION

Net Contents: 32 fl. oz. (946 ml)

Active Ingredients:

Linseed Oil	10.00%
Thyme Oil	1.34%
Peppermint Oil	0.66%
Other Ingredients	88.00%
Total	100.00%

Other Ingredients: Isopropyl Myristate, Polyglyceryl Oleate*, Xanthan Gum, Water
*Emulsifier allowing oil and water to mix

Net Contents: 32 fl. oz. (946 ml)

Directions for Use

Shake container, then mix 4 – 12 fl. oz. of Eco-1 Garden Spray Concentrate per 1 gallon of water. Shake well. Spray plant surfaces until wet making applications to upper and lower leaf and stem surfaces. Read entire label and use accordingly.

How to Apply

Thoroughly spray Eco-1 Garden Spray Concentrate mixture on the upper and lower leaf and stem surfaces, especially new shoots and underside of leaves until wet, avoiding excessive runoff. Repeat applications every 7 - 14 days. Under heavy insect and disease pressure, use the shortest application interval. Under light pressure, the application interval may be extended. Continue applications at regular intervals until insect or disease populations are sufficiently controlled.

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ARBORJET.

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Eco-1 Garden Conc (32 fl oz) 040-7320

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ECO-1™

LET'S GROW TOGETHER

GARDEN SPRAY CONCENTRATE

Botanical Insect, Mite & Disease Control

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- Indoor & Outdoor Use
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Net Contents:
32 fl. oz. (946 mL)

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Active Ingredients:

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Other Ingredients	88.00%
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Other Ingredients: Isopropyl Myristate, Polyglyceryl Oleate*, Xanthan Gum, Water
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KEEP OUT OF REACH OF CHILDREN
CAUTION

GENERAL INFORMATION

Eco-1™ Garden 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.
- 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 Garden Spray mixture, add 3 fl. oz. of Eco-1 Garden Spray Concentrate and fill remaining space with 29 fl. oz of water.
- 32 fl. oz. of Eco-1 Garden Spray Concentrate makes up to 8 gallons of solution.

FOR CONTROL OF INSECTS, MITES & DISEASE

Eco-1 Garden Spray Concentrate controls a wide range of soft-bodied insects and mites such as aphids, mealybugs, psyllids, scales, thrips, two-spotted spider mites and whiteflies. For best results, apply when conditions favor mites and insects or at the first sign of infestation. Use Eco-1 Garden Spray Concentrate to prevent and control various fungal diseases such as powdery mildew, black spot, early and late blight, scab, gray mold, rust, brown rots, and leaf spot. For best results, apply when conditions favor disease development or at the first sign of disease. To prevent rust, leaf spot, and scab, begin applications at the first sign of spring budding. To prevent powdery mildew, apply in midsummer or when disease is first detected.

DIRECTIONS FOR USE

Shake container, then mix 4 – 12 fl. oz. of Eco-1 Garden Spray Concentrate per 1 gallon of water. Shake well. Spray plant surfaces until wet making applications to upper and lower leaf and stem surfaces. Read entire label and use accordingly.

MIXING INSTRUCTIONS

Eco-1 Garden Spray Concentrate is designed for use in handheld sprayers, pump sprayers, and foggers. For best results, add Eco-1 Garden 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 Garden Spray Concentrate and mix thoroughly.

APPLICATION INSTRUCTIONS

Thoroughly spray Eco-1 Garden Spray Concentrate mixture on the upper and lower leaf and stem surfaces, especially new shoots and underside of leaves until wet, avoiding excessive runoff. Repeat applications every 7 - 14 days. Under heavy insect and disease pressure, use the shortest application interval. Under light pressure, the application interval may be extended. Continue applications at regular intervals until insect or disease populations are sufficiently controlled.

APPLICATION RATES

Plant Pest	Pest Conditions/ When to Apply	Application Rates Per Gallon
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 wet, 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)
Aphids, Mealy Bugs, Psyllids, Scale Crawlers, Thrips	Spray when pest first appears or injury is first observed, such as leaf curl or stippling. Thoroughly cover undersides of foliage	4 – 12 fl. oz.
Whiteflies, such as: Rugose Spiraling Whitefly & Woolly whiteflies	Spray when whiteflies (or honey dew) are first observed; repeat applications to protect new growth; thoroughly cover undersides of leaves	4 – 12 fl. oz.
Warm Season Mites, such as: Two Spotted Spider Mite, European Red Mite, Honey Locust Spider Mite, Oak Red Mite, Palm Red Mite, Broad Mite	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.	4 – 8 fl. oz.
Cool Season Mites: Spruce Spider Mite, Southern Red Mite	Spruce spider mites attack spruce, arborvitae, hemlock, juniper, yew and pines. Thoroughly cover all surfaces of foliage. Outbreaks occur in Apr and May; and again, in late Aug. Southern Red Mites attack broadleaf evergreens, esp., Japanese hollies and azaleas. Cool season mites proliferate when daytime temperatures are <85°F. Spray when mites or stippling are first observed.	4 – 8 fl. oz.

APPLICATION RATES

CROPS including but not limited to...	DISEASES including but not limited to...	APPLICATION RATES\ gallon & per 1000 sq ft
Legume & Fruiting Vegetables Beans, Eggplants, Lentils, Peas, Peanuts, Peppers, Tomatoes	Early Blight, Early Leaf Spot, Gray Mold, Late Blight, Powdery Mildew, Bean Rust, Botrytis Neck, Pin Rot, Rust	4-12 fl. oz.
Bulb, Cole & Leafy Vegetables Broccoli, Cabbage, Cauliflower, Celery, Garlic, Lettuce, Onions, Spinach	Alternaria Leaf Spot, Gray Mold, Powdery Mildew, Botrytis Neck Rot, Pin Rot, Rust	4-12 fl. oz.
Cucurbits Cantaloupes, Cucumbers, Melons, Squashes, Watermelons	Alternaria Leaf Spot, Powdery Mildew	4-12 fl. oz.

APPLICATION RATES (CONT.)

Root & Tuber Vegetables Potatoes, Radishes, Sweet Potatoes, Turnips	Early Blight, Early Late Blight, Powdery Mildew	4-12 fl. oz.
Small Fruits & Berries Blackberries, Blueberries, Cranberries, Raspberries, Strawberries	Anthracnose Fruit Rot, Gray Mold, Powdery Mildew, Sour Rot	4-12 fl. oz.
Grapes & Hops Hops, Grapes (Raisin, Table, Wine)	Powdery Mildew, Black Rot, Botrytis Bunch Rot	4-12 fl. oz.
Herbs Anise, Basil, Dill, Mint, Peppermint, Spearmint, Thyme, Wintergreen	Powdery Mildew	4-12 fl. oz.
Stone Fruits, Pome Fruits Apples, Apricots, Cherries, Peaches, Nectarines, Olives, Pears, Plums, Prunes, Pomegranates, Persimmons	Scab, Powdery Mildew, Brown Rot, Blossom Blight, Anthracnose, Rust, Gray Mold, Cherry Leaf Spot, Brown Rot, Black Rot	4-12 fl. oz.
Citrus & Sub Tropicals Avocados, Lemons, Grapefruit, Oranges, Papayas, Bananas, Plantains, Mangos	Alternaria Rot, Botrytis Rot, Greasy Spot, Scab, Brown Rot	4-12 fl. oz.
Nuts Almonds, Cashews, Pecans, Pistachios, Walnuts	Scab, Brown Rot, Blossom Blight, Anthracnose, Rust	8-12 fl. oz.
Field Crops Corn, Cotton, Sorghum, Soybeans, Sweet Corn, Tobacco	Leaf Spots, Anthracnose, Rust, Powdery Mildew	4-12 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 Garden 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 – Do not apply this product in a way that will contact workers or other persons, either directly or through drift. 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 Garden 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. Do not apply this product if bees or other pollinators are actively foraging.

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.

NOTES

ARBORJET®

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

REV 9/2022

Safe†

ECO-1
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OMRI LISTED
For Organic Use

PEEL HERE

GARDEN 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
- Pleasant Smell
- Indoor & Outdoor Use
- No Petroleum Solvents



Active Ingredients:

Linseed Oil	10.00%
Thyme Oil	1.34%
Peppermint Oil	0.66%
Other Ingredients	
Water, Polyglyceryl Oleate*, Isopropyl Myristate, Xanthan Gum	88.00%
Total	100.00%

*Emulsifier allowing oil and water to mix

Keep Out Of Reach Of Children

CAUTION

040-7350 (Eco-1 Gallon)

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

Net Contents: 1 Gallon (3.78 Liters)

†When used as directed.

GENERAL INFORMATION

Eco-1™ Garden 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.
- 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 Garden Spray mixture, add 3 fl. oz. of Eco-1 Garden Spray Concentrate and fill remaining space with 29 fl. oz of water.
- 128 fl. oz. of Eco-1 Garden Spray Concentrate makes up to 32 gallons of solution.

FOR CONTROL OF INSECTS, MITES & DISEASE

Eco-1 Garden Spray Concentrate controls a wide range of soft-bodied insects and mites such as aphids, mealybugs, psyllids, scales, thrips, two-spotted spider mites and whiteflies. For best results, apply when conditions favor mites and insects or at the first sign of infestation. Use Eco-1 Garden Spray Concentrate to prevent and control various fungal diseases such as powdery mildew, black spot, early and late blight, scab, gray mold, rust, brown rots, and leaf spot. For best results, apply when conditions favor disease development or at the first sign of disease. To prevent rust, leaf spot, and scab, begin applications at the first sign of spring budding. To prevent powdery mildew, apply in midsummer or when disease is first detected.

DIRECTIONS FOR USE

Shake container, then mix 4 – 12 fl. oz. of Eco-1 Garden Spray Concentrate per 1 gallon of water. Shake well. Spray plant surfaces until wet making applications to upper and lower leaf and stem surfaces. Read entire label and use accordingly.

MIXING INSTRUCTIONS

Eco-1 Garden Spray Concentrate is designed for use in handheld sprayers, pump sprayers, and foggers. For best results, add Eco-1 Garden 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 Garden Spray Concentrate and mix thoroughly.

APPLICATION INSTRUCTIONS

Thoroughly spray Eco-1 Garden Spray Concentrate mixture on the upper and lower leaf and stem surfaces, especially new shoots and underside of leaves until wet, avoiding excessive runoff. Repeat applications every
7 - 14 days. Under heavy insect and disease pressure, use the shortest application interval. Under light pressure, the application interval may be extended. Continue applications at regular intervals until insect or disease populations are sufficiently controlled.

APPLICATION RATES

Plant Pest	Pest Conditions/ When to Apply	Application Rates Per Gallon
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 wet, 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)
Aphids, Mealy Bugs, Psyllids, Scale Crawlers, Thrips	Spray when pest first appears or injury is first observed, such as leaf curl or stippling. Thoroughly cover undersides of foliage	4 – 12 fl. oz.
Whiteflies, such as: Rugose Spiraling Whitefly & Woolly whiteflies	Spray when whiteflies (or honey dew) are first observed; repeat applications to protect new growth; thoroughly cover undersides of leaves	4 – 12 fl. oz.
Warm Season Mites, such as: Two Spotted Spider Mite, European Red Mite, Honey Locust Spider Mite, Oak Red Mite, Palm Red Mite, Broad Mite	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.	4 – 8 fl. oz.
Cool Season Mites: Spruce Spider Mite, Southern Red Mite	Spruce spider mites attack spruce, arborvitae, hemlock, juniper, yew and pines. Thoroughly cover all surfaces of foliage. Outbreaks occur in Apr and May; and again, in late Aug. Southern Red Mites attack broadleaf evergreens, esp., Japanese hollies and azaleas. Cool season mites proliferate when daytime temperatures are <85°F. Spray when mites or stippling are first observed.	4 – 8 fl. oz.

CROPS including but not limited to...	DISEASES including but not limited to...	Application Rates\gallon & per 1000 sq ft
Legume & Fruiting Vegetables Beans, Eggplants, Lentils, Peas, Peanuts, Peppers, Tomatoes	Early Blight, Early Leaf Spot, Gray Mold, Late Blight, Powdery Mildew, Bean Rust, Botrytis Neck, Pin Rot, Rust	4-12 fl. oz.
Bulb, Cole & Leafy Vegetables Broccoli, Cabbage, Cauliflower, Celery, Garlic, Lettuce, Onions, Spinach	Alternaria Leaf Spot, Gray Mold, Powdery Mildew, Botrytis Neck Rot, Pin Rot, Rust	4-12 fl. oz.
Cucurbits Cantaloupes, Cucumbers, Melons, Squashes, Watermelons	Alternaria Leaf Spot, Powdery Mildew	4-12 fl. oz.
Root & Tuber Vegetables Potatoes, Radishes, Sweet Potatoes, Turnips	Early Blight, Early Late Blight, Powdery Mildew	4-12 fl. oz.
Small Fruits & Berries Blackberries, Blueberries, Cranberries, Raspberries, Strawberries	Anthracnose Fruit Rot, Gray Mold, Powdery Mildew, Sour Rot	4-12 fl. oz.
Grapes & Hops Hops, Grapes (Raisin, Table, Wine)	Powdery Mildew, Black Rot, Botrytis Bunch Rot	4-12 fl. oz.
Herbs Anise, Basil, Dill, Mint, Peppermint, Spearmint, Thyme, Wintergreen	Powdery Mildew	4-12 fl. oz.
Stone Fruits, Pome Fruits Apples, Apricots, Cherries, Peaches, Nectarines, Olives, Pears, Plums, Prunes, Pomegranates, Persimmons	Scab, Powdery Mildew, Brown Rot, Blossom Blight, Anthracnose, Rust, Gray Mold, Cherry Leaf Spot, Brown Rot, Black Rot	4-12 fl. oz.

APPLICATION RATES (CONT.)

Citrus & Sub Tropicals Avocados, Lemons, Grapefruit, Oranges, Papayas, Bananas, Plantains, Mangos	Alternaria Rot, Botrytis Rot, Greasy Spot, Scab, Brown Rot	4-12 fl. oz.
Nuts Almonds, Cashews, Pecans, Pistachios, Walnuts	Scab, Brown Rot, Blossom Blight, Anthracnose, Rust	8-12 fl. oz.
Field Crops Corn, Cotton, Sorghum, Soybeans, Sweet Corn, Tobacco	Leaf Spots, Anthracnose, Rust, Powdery Mildew	4-12 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 Garden 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 – Do not apply this product in a way that will contact workers or other persons, either directly or through drift. 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 Garden 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 other aquatic organisms. Avoid direct contact with bodies of water. Do not apply this product if bees or other pollinators are actively foraging.

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.

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

ARBORJET®

REV 9/2022

Safe†

ECO-1
LET'S GROW TOGETHER®

OMRI LISTED
For Organic Use

PEEL HERE

GARDEN 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
- Pleasant Smell
- Indoor & Outdoor Use
- No Petroleum Solvents



Active Ingredients:

Linseed Oil	10.00%
Thyme Oil	1.34%
Peppermint Oil	0.66%

Other Ingredients

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

*Emulsifier allowing oil and water to mix

Keep Out Of Reach Of Children

CAUTION

040-7360 (Eco-1 2.5 Gallon)

8 11890 01708 1

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

Net Contents: 2.5 Gallons (9.46 Liters)

†When used as directed.

CROPS including but not limited to...	DISEASES including but not limited to...	Application Rates\gallon & per 1000 sq ft
Legume & Fruiting Vegetables Beans, Eggplants, Lentils, Peas, Peanuts, Peppers, Tomatoes	Early Blight, Early Leaf Spot, Gray Mold, Late Blight, Powdery Mildew, Bean Rust, Botrytis Neck, Pin Rot, Rust	4-12 fl. oz.
Bulb, Cole & Leafy Vegetables Broccoli, Cabbage, Cauliflower, Celery, Garlic, Lettuce, Onions, Spinach	Alternaria Leaf Spot, Gray Mold, Powdery Mildew, Botrytis Neck Rot, Pin Rot, Rust	4-12 fl. oz.
Cucurbits Cantaloupes, Cucumbers, Melons, Squashes, Watermelons	Alternaria Leaf Spot, Powdery Mildew	4-12 fl. oz.
Root & Tuber Vegetables Potatoes, Radishes, Sweet Potatoes, Turnips	Early Blight, Early Late Blight, Powdery Mildew	4-12 fl. oz.
Small Fruits & Berries Blackberries, Blueberries, Cranberries, Raspberries, Strawberries	Anthracnose Fruit Rot, Gray Mold, Powdery Mildew, Sour Rot	4-12 fl. oz.
Grapes & Hops Hops, Grapes (Raisin, Table, Wine)	Powdery Mildew, Black Rot, Botrytis Bunch Rot	4-12 fl. oz.
Herbs Anise, Basil, Dill, Mint, Peppermint, Spearmint, Thyme, Wintergreen	Powdery Mildew	4-12 fl. oz.
Stone Fruits, Pome Fruits Apples, Apricots, Cherries, Peaches, Nectarines, Olives, Pears, Plums, Prunes, Pomegranates, Persimmons	Scab, Powdery Mildew, Brown Rot, Blossom Blight, Anthracnose, Rust, Gray Mold, Cherry Leaf Spot, Brown Rot, Black Rot	4-12 fl. oz.

APPLICATION RATES (CONT.)

Citrus & Sub Tropicals Avocados, Lemons, Grapefruit, Oranges, Papayas, Bananas, Plantains, Mangos	Alternaria Rot, Botrytis Rot, Greasy Spot, Scab, Brown Rot	4-12 fl. oz.
Nuts Almonds, Cashews, Pecans, Pistachios, Walnuts	Scab, Brown Rot, Blossom Blight, Anthracnose, Rust	8-12 fl. oz.
Field Crops Corn, Cotton, Sorghum, Soybeans, Sweet Corn, Tobacco	Leaf Spots, Anthracnose, Rust, Powdery Mildew	4-12 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 Garden 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.

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Caution – Do not apply this product in a way that will contact workers or other persons, either directly or through drift. 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 Garden 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 other aquatic organisms. Avoid direct contact with bodies of water. Do not apply this product if bees or other pollinators are actively foraging.

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.

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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.

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

ARBORJET®

REV 9/2022

GENERAL INFORMATION

Eco-1™ Garden 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.
- 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 Garden Spray mixture, add 3 fl. oz. of Eco-1 Garden Spray Concentrate and fill remaining space with 29 fl. oz of water.
- 128 fl. oz. of Eco-1 Garden Spray Concentrate makes up to 32 gallons of solution.

FOR CONTROL OF INSECTS, MITES & DISEASE

Eco-1 Garden Spray Concentrate controls a wide range of soft-bodied insects and mites such as aphids, mealybugs, psyllids, scales, thrips, two-spotted spider mites and whiteflies. For best results, apply when conditions favor mites and insects or at the first sign of infestation. Use Eco-1 Garden Spray Concentrate to prevent and control various fungal diseases such as powdery mildew, black spot, early and late blight, scab, gray mold, rust, brown rots, and leaf spot. For best results, apply when conditions favor disease development or at the first sign of disease. To prevent rust, leaf spot, and scab, begin applications at the first sign of spring budding. To prevent powdery mildew, apply in midsummer or when disease is first detected.

DIRECTIONS FOR USE

Shake container, then mix 4 – 12 fl. oz. of Eco-1 Garden Spray Concentrate per 1 gallon of water. Shake well. Spray plant surfaces until wet making applications to upper and lower leaf and stem surfaces. Read entire label and use accordingly.

MIXING INSTRUCTIONS

Eco-1 Garden Spray Concentrate is designed for use in handheld sprayers, pump sprayers, and foggers. For best results, add Eco-1 Garden 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 Garden Spray Concentrate and mix thoroughly.

APPLICATION INSTRUCTIONS

Thoroughly spray Eco-1 Garden Spray Concentrate mixture on the upper and lower leaf and stem surfaces, especially new shoots and underside of leaves until wet, avoiding excessive runoff. Repeat applications every
7 - 14 days. Under heavy insect and disease pressure, use the shortest application interval. Under light pressure, the application interval may be extended. Continue applications at regular intervals until insect or disease populations are sufficiently controlled.

APPLICATION RATES

Plant Pest	Pest Conditions/ When to Apply	Application Rates Per Gallon
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 wet, 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)
Aphids, Mealy Bugs, Psyllids, Scale Crawlers, Thrips	Spray when pest first appears or injury is first observed, such as leaf curl or stippling. Thoroughly cover undersides of foliage	4 – 12 fl. oz.
Whiteflies, such as: Rugose Spiraling Whitefly & Woolly whiteflies	Spray when whiteflies (or honey dew) are first observed; repeat applications to protect new growth; thoroughly cover undersides of leaves	4 – 12 fl. oz.
Warm Season Mites, such as: Two Spotted Spider Mite, European Red Mite, Honey Locust Spider Mite, Oak Red Mite, Palm Red Mite, Broad Mite	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.	4 – 8 fl. oz.
Cool Season Mites: Spruce Spider Mite, Southern Red Mite	Spruce spider mites attack spruce, arborvitae, hemlock, juniper, yew and pines. Thoroughly cover all surfaces of foliage. Outbreaks occur in Apr and May; and again, in late Aug. Southern Red Mites attack broadleaf evergreens, esp., Japanese hollies and azaleas. Cool season mites proliferate when daytime temperatures are <85°F. Spray when mites or stippling are first observed.	4 – 8 fl. oz.



GARDEN SPRAY CONCENTRATE

Botanical Insect, Mite & Disease Control

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

- Safe*, Effective Results from Botanical Oils
- Harvest Same Day
- Indoor & Outdoor Use
- Kills Aphids, Whiteflies, and Mites
- Controls Powdery Mildew, Black Spot, & Rust
- 3 Sprays in 1
- No Petroleum Solvents
- No animal derived ingredients

*When used as directed.

KEEP OUT OF REACH OF CHILDREN
CAUTION

ACTIVE INGREDIENTS:	
Linseed Oil	10.00%
Thyme Oil	1.34%
Peppermint Oil	0.66%
OTHER INGREDIENTS	88.00%
Total	100.00%

Other Ingredients: Isopropyl Myristate, Polyglyceryl Oleate*, Xanthan Gum, Water

*Emulsifier allowing oil & 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™ Garden 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.
- 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.
- To make one quart of Eco-1 Garden Spray mixture, add 3 fl. oz. of Eco-1 Garden Spray Concentrate and 29 fl. oz of water.
- 8 fl. oz. of Eco-1 Garden Spray Concentrate makes up to 2 gallons of solution.
- 32 fl. oz. of Eco-1 Garden Spray Concentrate makes up to 8 gallons of solution.

FOR CONTROL OF INSECTS, MITES & DISEASES

Eco-1 Garden Spray Concentrate controls a wide range of soft-bodied insects and mites such as aphids, mealybugs, psyllids, scales, thrips, two-spotted spider mites, and whiteflies. For best results, apply when conditions favor mites and insects or at the first sign of infestation. Use Eco-1 Garden Spray Concentrate to prevent and control various fungal diseases such as powdery mildew, black spot, early and late blight, scab, gray mold, rust, brown rots, and leaf spot. For best results, apply when conditions favor disease development or at the first sign of disease. To prevent rust, leaf spot, and scab, begin applications at the first sign of spring budding. To prevent powdery mildew, apply in midsummer or when disease is first detected.

DIRECTIONS FOR USE

Shake container, then mix 4 – 12 fl. oz. of Eco-1 Garden Spray Concentrate per 1 gallon of water. Shake well. Spray plant surfaces until wet making applications to upper and lower leaf and stem surfaces. Read entire label and use accordingly.

MIXING INSTRUCTIONS

Eco-1 Garden Spray Concentrate is designed for use in handheld sprayers, pump sprayers, and foggers. For best results, add Eco-1 Garden 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 Garden Spray Concentrate and mix thoroughly.

APPLICATION INSTRUCTIONS

Thoroughly spray Eco-1 Garden Spray Concentrate mixture on the upper and lower leaf and stem surfaces, especially new shoots and underside of leaves until wet, avoiding excessive runoff. Repeat applications every 7 - 14 days. Under heavy insect and disease pressure, use the shortest application interval. Under light pressure, the application interval may be extended. Continue applications at regular intervals until insect or disease populations are sufficiently controlled.

APPLICATION RATES

Plant Pest	Pest Conditions/ When to Apply	Application Rates Per Gallon
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 wet, 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)
Aphids, Mealy Bugs, Psyllids, Scale Crawlers, Thrips	Spray when pest first appears or injury is first observed, such as leaf curl or stippling. Thoroughly cover undersides of foliage	4 – 12 fl. oz.
Whiteflies, such as: Rugose Spiraling Whitefly and Woolly Whiteflies	Spray when whiteflies (or honey dew) are first observed; repeat applications to protect new growth; thoroughly cover undersides of leaves	4 – 12 fl. oz.
Warm Season Mites, such as: Two Spotted Spider Mite, European Red Mite, Honey Locust Spider Mite, Oak Red Mite, Palm Red Mite, Broad Mite	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.	4 – 8 fl. oz.
Cool Season Mites: Spruce Spider Mite, Southern Red Mite	Spruce spider mites attack spruce, arborvitae, hemlock, juniper, yew and pines. Thoroughly cover all surfaces of foliage. Outbreaks occur in Apr & May; and again, in late Aug. Southern Red Mites attack broadleaf evergreens, esp., Japanese hollies and azaleas. Cool season mites proliferate when daytime temperatures are <85°F. Spray when mites or stippling are first observed.	4 – 8 fl. oz.

CROPS including but not limited to...	DISEASES including but not limited to...	APPLICATION RATES PER GALLON
Legume & Fruiting Vegetables Beans, Eggplants, Lentils, Peas, Peanuts, Peppers, Tomatoes	Early Blight, Early Leaf Spot, Gray Mold, Late Blight, Powdery Mildew, Bean Rust, Botrytis Neck, Pin Rot, Rust	4-12 fl. oz.
Bulb, Cole & Leafy Vegetables Broccoli, Cabbage, Cauliflower, Celery, Garlic, Lettuce, Onions, Spinach	Alternaria Leaf Spot, Gray Mold, Powdery Mildew, Botrytis Neck Rot, Pin Rot, Rust	4-12 fl. oz.
Cucurbits Cantaloupes, Cucumbers, Melons, Squashes, Watermelons	Alternaria Leaf Spot, Powdery Mildew	4-12 fl. oz.
Root & Tuber Vegetables Potatoes, Radishes, Sweet Potatoes, Turnips	Early Blight, Early Late Blight, Powdery Mildew	4-12 fl. oz.
Small Fruits & Berries Blackberries, Blueberries, Cranberries, Raspberries, Strawberries	Anthracnose Fruit Rot, Gray Mold, Powdery Mildew, Sour Rot	4-12 fl. oz.
Grapes and Hops Hops Grapes (Raisin, Table, Wine)	Powdery Mildew, Black Rot, Botrytis Bunch Rot	4-12 fl. oz.
Herbs Anise, Basil, Dill, Mint, Peppermint, Spearmint, Thyme and Wintergreen	Powdery Mildew	4-12 fl. oz.
Stone Fruits, Pome Fruits Apples, Apricots, Cherries, Peaches, Nectarines, Olives, Pears, Plums, Prunes, Pomegranates and Persimmons	Scab, Powdery Mildew, Brown Rot, Blossom Blight, Anthracnose, Rust, Gray Mold, Cherry Leaf Spot, Brown Rot, Black Rot	4-12 fl. oz.
Citrus and Sub Tropicals Avocados, Lemons, Grapefruit, Oranges, Papayas, Bananas, Plantains, Mangos	Alternaria Rot, Botrytis Rot, Greasy Spot, Scab, Brown Rot	4-12 fl. oz.
Nuts Almonds, Cashews, Pecans, Pistachios, Walnuts	Scab, Brown Rot, Blossom Blight, Anthracnose, Rust	8-12 fl. oz.
Field Crops Corn, Cotton, Sorghum, Soybeans, Sweet Corn, Tobacco	Leaf Spots, Anthracnose, Rust, Powdery Mildew	4-12 fl. oz.

PLANT SAFETY

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