



U.S. ENVIRONMENTAL PROTECTION AGENCY
 Office of Pesticide Programs
 Registration Division (7505P)
 1200 Pennsylvania Ave., N.W.
 Washington, D.C. 20460

EPA Reg. Number:

55206-7

Date of Issuance:

4/5/22

NOTICE OF PESTICIDE:

Registration
 Reregistration
 (under FIFRA, as amended)

Term of Issuance:

Unconditional

Name of Pesticide Product:

ClearGuard™ Horticultural Spray Oil

Name and Address of Registrant (include ZIP Code):

BVA, Inc.
 PO BOX 930301
 Wixom, MI 48393-0301

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is unconditionally registered in accordance with FIFRA section 3(c)(5) provided that you:

1. Submit and/or cite all data required for registration/reregistration/registration review of your product when the Agency requires all registrants of similar products to submit such data.
2. The data requirements for storage stability and corrosion characteristics (Guidelines 830.6317 and 830.6320) are not satisfied. A one year study is required to satisfy these data requirements. You have 18 months from the date of registration to provide these data.
3. Make the following label changes before you release the product for shipment:
 - Revise the EPA Registration Number to read, "EPA Reg. No. 55206-7."

Signature of Approving Official:

Michael Walsh, Product Manager 11
 IVB2, Registration Division (7505P)

Date:

4/5/22

4. Submit one copy of the revised final printed label for the record before you release the product for shipment.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records. Please also note that the record for this product currently contains the following CSFs:

- Basic CSF dated 4/15/2021

If you have any questions, please contact David Drawbaugh by phone at 202-566-2604, or via email at Drawbaugh.David@epa.gov

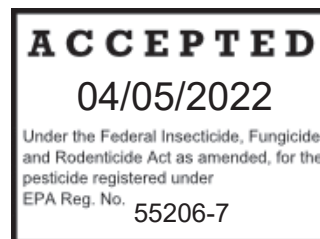
Attachment

ClearGuard™ Horticultural Spray Oil

ACTIVE INGREDIENT: % By Weight
Mineral Oil*99.00%
OTHER INGREDIENTS:.....1.00%
TOTAL:.....100.00%

Unulfonated Residue of mineral oil 99% (minimum)

*Contains petroleum distillates, CAS #8042-47-5



KEEP OUT OF REACH OF CHILDREN

CAUTION

FIRST AID	
IF ON SKIN OR CLOTHING	<ul style="list-style-type: none">• Take off contaminated clothing.• Rinse skin immediately with plenty of water for 15-20 minutes• Call a poison control center or doctor for treatment advice.
IF SWALLOWED	<ul style="list-style-type: none">• Immediately call a poison control center or doctor.• Do not induce vomiting unless told to by a poison control center or doctor.• Do not give any liquid to the person.• Do not give anything by mouth to an unconscious person.
IF IN EYES	<ul style="list-style-type: none">• 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 center or doctor for treatment advice.
IF INHALED	<ul style="list-style-type: none">• Move person to fresh air.• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.• Call a poison control center or doctor for further treatment advice.
Have the product container or label with you when calling a poison control center 1-800-222-1222 or doctor or going for treatment. For non-emergency information concerning this product, call the National Pesticides Information Center (NPIC) at 1.800.858.7378 (NPIC website: www.npic.orst.edu)	
NOTE TO PHYSICIAN: This product contains petroleum distillates and may pose an aspiration pneumonia hazard.	

BVA, Inc.
4205 Martin Road
Commerce Township, MI 48390
248.348.4920
Ver 040422 v9

EPA Reg. No. 55206-T

EPA Est. No. 55206-MI-001

[Batch/Lot Number:] _____

[Note to reviewer: Statement may appear on container.]

NET CONTENTS: _____ **GALLON(S)**

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

CAUTION

Avoid contact with eyes, skin or clothing. Harmful if swallowed or inhaled. Avoid breathing of spray mists, or vapors. Wash thoroughly with soap and water after each use. Avoid contamination of food or foodstuffs.

PERSONAL PROTECTIVE EQUIPMENT (PPE):

Handlers must wear:

- Long sleeved shirt, long pants, and
- Shoes plus socks
- Chemical-resistant gloves made from barrier laminate or Viton ≥ 14 mils

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry. Discard clothing and other absorbent materials that have been drenched or heavily damaged by this product's concentrate. Do not reuse them.

Engineering Controls: When handlers use closed systems or enclosed cabs in a manner that meets with requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

USER SAFETY RECOMMENDATIONS

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing and/or PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

This product is toxic to aquatic invertebrates. Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean highwater mark. Do not contaminate water when disposing of equipment wash water or rinsate. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. Avoid drift or runoff into storm drains, drainage ditches, or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to maximize the chances that wind, or rain will not blow or wash pesticide off the treatment area. Rinsing application equipment over the treated area will help avoid runoff to water bodies or drainage systems.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. Do not apply this product through any type of irrigation system.

This product may be applied on the plants listed on this label that are growing in or around habitable buildings, along city streets and other rights of way, as well as in agricultural settings. Refer to the appropriate table for the application rate needed to control a specific pest on a specific plant. **Protect painted surfaces, carpet and furnishings from overspray. This product may cause discoloration of concrete, brick driveways.**

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as soil or water, is:

- coveralls,
- shoes plus socks, and
- chemical-resistant gloves made from barrier laminate or Viton >14 mils

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses. Do not enter or allow others to enter until sprays have dried.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Keep out of reach of children and animals. Store in original containers only. Store in a cool, dry place and avoid excess heat. Carefully open containers. After partial use, replace lids and close tightly. Do not put concentrate or dilute material into food or drink containers.

In case of spill, avoid contact, isolate area and keep out animals and unprotected persons. Confine spills. To confine spill: If liquid, dike surrounding area or absorb with sand, cat litter or commercial clay. If dry material, cover to prevent dispersal. Place damaged package in a holding container. Identify contents.

PESTICIDE DISPOSAL: Pesticide, or rinse solution, that cannot be used according to label instructions must be disposed of according to applicable Federal, state, or local procedures.

CONTAINER HANDLING:

Rigid, nonrefillable containers equal to or less than 5 gallons: Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Triple rinse (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container X full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling or reconditioning, if available. If recycling is not available, puncture container and dispose of it in a sanitary landfill, or by other procedures approved by state and local authorities.

Rigid, nonrefillable containers greater than 5 gallons: Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Triple rinse (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container X full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.

For Plastic containers greater than 5 gallons: Then offer for recycling or reconditioning, if available. If recycling is not available, puncture container and dispose of it in a sanitary landfill, or by other procedures approved by state and local authorities.

Refillable container, greater than 110 gallons: Refillable container. Refill this container with pesticides only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning the container before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into the mix tank. Triple rinse the interior of the container with water by using a suitable hose and nozzle attachment or pressure rinser. Collect and store the rinsate for proper disposal. Then, offer the container for recycling or reconditioning, If recycling is unavailable, puncture and dispose of container in a sanitary landfill, or by other procedures approved by state and local authorities.

USE RESTRICTIONS

Do not apply this product through any type of irrigation system.

CALIFORNIA CITRUS: Do not exceed a maximum of 212 pounds of active ingredient (in a maximum volume of 2000 gallons of spray mix per acre) when treating citrus in California (based on thorough coverage spray, with 1.5 gallons of product mixed per 100 gallons of water).

FLORIDA & TEXAS CITRUS: Do not exceed a maximum of 159 pounds of active ingredient (in a maximum volume of 1500 gallons of spray mix per acre) when treating citrus in Florida and Texas (based on dilute spray, with 1.5 gallons of product mixed per 100 gallons of water). Improved control can be obtained when CLEARGUARD™ is added to a partially filled spray tank under proper agitation and all foliage is thoroughly covered.

USE PRECAUTIONS

Do not apply this product when the temperature at time of application is above 95°F. Do not apply this product if the temperature is predicted to be near or below freezing (32°F) within 24 hours of application. Do not apply this product during hot dry winds, rain, or when these or other unsuitable weather conditions have been predicted.

Spray plants only when they are in vigorous condition and when their moisture content is suitable.

Do not overspray or double-spray.

Preharvest Interval: Except where this label specifies otherwise, this product may be used up to the day of harvest.

Sulfur: Do not mix this product with sulfur or sulfur-containing products. Before using this product, make sure that spray tank and other equipment are free of sulfur residues.

On Grapes: Do not apply sulfur within 7 days of an oil application.

On all other Crops: Do not apply micronized sulfur within 10 days of an oil application, and do not apply oil within 14 days of an application of wettable or dusting sulfur.

For **aerial applications**, apply the quantity of **CLEARGUARD™ HORTICULTURAL SPRAY OIL (CLEARGUARD™)** indicated for the crop or other plants to be treated in sufficient water to provide 10 gallons of spray per acres, except where the label prescribes otherwise. Aerial application are not as efficient as ground sprays for trees. Therefore, aerial applications should only be made with growing and/or soil conditions make ground application infeasible.

Except where limited by this label, the optimum spray gallonage depends upon tree or crop size, planting density, and growth stage. Typical per-acre spray gallonages will range from 100-600 gallons for dilute spray, 20-100 gallons for concentrate spray, and 5-100 gallons for aerial applications.

This product has not been tested on all species or varieties of crops, ornamentals, non-bearing or commercial trees, and greenhouse plants that are listed on this label. Before treating a large area, treat a small area or a small number of plants and observe the response to treatment for several days before making a full-scale application.

SPRAY DRIFT ADVISORIES

THE APPLICATOR IS RESPONSIBLE FOR AVOIDING OFF-SITE SPRAY DRIFT.
BE AWARE OF NEARBY NON-TARGET SITES AND ENVIRONMENTAL CONDITIONS.

A variety of factors including weather conditions (e.g., wind direction, wind speed, temperature, and relative humidity) and method of application (e.g., ground or airblast) can influence pesticide drift.

IMPORTANCE OF DROPLET SIZE

An effective way to reduce spray drift is to apply large droplets. Use the largest droplets that provide target pest control. While applying larger droplets will reduce spray drift, the potential for drift will be greater if applications are made improperly or under unfavorable environmental conditions. Apply as a medium or coarser spray (ASABE standard 572), and the minimum volume mean diameter (VMD) for spinning atomizer nozzles.

Controlling Droplet Size – Ground Boom

- **Volume** – Increasing the spray volume so that larger droplets are produced will reduce spray drift. Use the highest practical spray volume for the application. If a greater spray volume is needed, consider using a nozzle with a higher flow rate.
- **Pressure** – Use the lowest spray pressure recommended for the nozzle to produce the target spray volume and droplet size.
- **Spray Nozzle** – Use a spray nozzle that is designed for the intended application. Consider using nozzles designed to reduce drift.

Controlling Droplet Size – Aircraft

- **Adjust Nozzles** – Follow nozzle manufacturers recommendations for setting up nozzles. Generally, to reduce fine droplets, nozzles should be oriented parallel with the airflow in flight.

BOOM HEIGHT – Ground Boom – For ground equipment, the boom should remain level with the crop and have minimal bounce.

RELEASE HEIGHT – Aircraft – Higher release heights increase the potential for spray drift. When applying aurally, do not release spray at a height greater than 10 ft above the ground or water surface, unless a greater application height is necessary for pilot safety.

SHIELDED SPRAYERS – Shielding the boom or individual nozzles can reduce spray drift. Consider using shielded sprayers. Verify that the shields are not interfering with the uniform deposition of the spray on the target area.

TEMPERATURE AND HUMIDITY – When making applications in hot and dry conditions, use larger droplets to reduce effects of evaporation.

TEMPERATURE INVERSIONS – Drift potential is high during a temperature inversion. Temperature inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. The presence of an inversion can be indicated by ground fog or by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing. Avoid applications during temperature inversions.

WIND – Drift potential generally increases with wind speed. AVOID APPLICATIONS DURING GUSTY WIND CONDITIONS. Applicators need to be familiar with local wind patterns and terrain that could affect spray drift.

For **Airblast Applications**, turn off outward pointing nozzles at row ends and when spraying outer row. To minimize spray loss over the top in orchard applications, spray must be directed into the canopy.

For **Boom-less Ground Applications**:

- Setting nozzles at the lowest effective height will help to reduce the potential for spray drift.

For **Handheld Technology Applications**:

- Take precautions to minimize spray drift.

MIXING INSTRUCTIONS

- **It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.**
- Use consistent agitation to keep spray thoroughly in solution. White mixture indicates good emulsification.
- Use caution when tank mixing with high rates of chlorothalonil, especially under high temperature conditions.
- Add and mix wettable powders before adding **CLEARGUARD™**.
- Calculate required amounts of water and **CLEARGUARD™**. Fill the tank half full with water, then add the calculated amount of **CLEARGUARD™** and the remaining water requirement.
- If using an injector system, adhere to proper mixing instructions.
- **DO NOT USE THIS MATERIAL IF IT DOES NOT EMULSIFY.**

APPLICATION INSTRUCTIONS

To improve coverage, dilute applications (greater than 100 gallons of spray solution per acre) should be made. Concentrate applications (usually from 20 to 100 gallons of spray solution) may reduce the coverage and thus the effectiveness. Application volumes depend on the crop type, crop size and target pest. Adjust the spray volume to obtain thorough coverage without runoff. Use extreme care when using concentrate sprays as the potential for crop phytotoxicity is increased. A concentrate application can provide satisfactory results as long as the spray unit is properly engineered, calibrated and operated.

When applying by **ground equipment**, use enough spray solution to completely penetrate the leaf canopy and cover both top and bottom of all leaves until wet but without significant runoff. This label's directions regarding volume of spray solution pertain to applications to mature trees and vines with normal foliage cover. Reduce rates proportionally for smaller and immature plants.

Except where limited by this label, the optimum spray volume depends upon tree or crop size, planting density, and growth stage. Per-acre minimum and maximum spray volumes range from **100-800 gallons for dilute spray**, and **20-100 gallons for concentrate spray**. Be sure to check instructions and equipment used with your local Agricultural Extension agents. Follow prescribed spray volumes unless otherwise indicated in the Application Rate Tables. If required the amount of water can be adjusted to accommodate local needs and / or application equipment such as electrostatic sprayers.

APPLICATION RATES

FRUIT AND NUT CROPS and OTHER LISTED PERENNIAL CROPS			
CROP	PESTS	CLEARGUARD™ HORTICULTURAL SPRAY OIL	COMMENTS
ACEROLA* (Barbados Cherry), ATEMOYA*, CARAMBOLA* (Star Fruit), RAMBUTAN*	Aphids, Beetle Larvae, Caterpillars, Leafhopper, Leafminers, Mites, Thrips, Whitefly, Alternaria Leafspot, Gummy Stem Blight, Powdery Mildew, Rust	Dilute Spray: Use 0.75-1.5 gallons per 100 gallons water. Concentrate Spray: Use 3-6 gallons per acre.	Spray once or twice weekly depending on the rapid growth of the crop and / or vector pressure. When using to control insect transmitted diseases, use higher pressure (minimum 100 psi) and ceramic hollow cone nozzles.
	Cucumber Mosaic Virus, Papaya Ringspot Virus, Pepper Mottle Virus, Potato Leafroll Virus, Potato Virus Y, Tobacco Etch Virus, Virus Watermelon Mosaic Virus 2, Zucchini Yellow Mosaic	Dilute Spray: Use 0.75 gallons per 100 gallons of water. Concentrate Spray: Use 3-6 gallons per acre.	
ALMONDS, APRICOTS, CHERRIES, NECTARINES, PEACHES, PISTACHIOS <i>(continues below)</i>	Aphid eggs, Black Scale, Brown Mite eggs, European Fruit Lecanium Scale, European Red Mite eggs, Frosted Scale, Fruit Tree Leafroller eggs*, Olive Scale, Overwintering Phytocoris plant bug eggs* (only on pistachio), Overwintering Tent Caterpillar eggs*, San Jose Scale	Dilute Spray: Use 1-3 gallons per 100 gallons of water. Concentrate Spray: Use 6-8 gallons per acre.	DORMANT/DELAYED DORMANT TO GREEN TIP Preferred times of application for European Fruit Lecanium Scale and European Red Mite eggs are Delayed Dormant to Green Tip, and for San Jose Scale are Dormant, Delayed Dormant to Green Tip. Pistachios For use on pistachios, apply as a dormant and/or post-harvest treatment. For pistachios in Arizona, apply 4 gallons of oil per acre. In California, apply up to 6 gallons of oil per acre.
	Cottony Peach Scale, Terrapin Scale	Dilute Spray: Use 2-3 gallons per 100 gallons of water. Concentrate Spray: Use 8-12 gallons per acre.	DORMANT/DELAYED DORMANT

*Crop or pest not approved in California.

[Note to reviewer: this text will appear on any page or panel with an asterisk indicating a crop or pest not approved in California.]

FRUIT AND NUT CROPS and OTHER LISTED PERENNIAL CROPS			
CROP	PESTS	CLEARGUARD™ HORTICULTURAL SPRAY OIL	COMMENTS
ALMONDS, APRICOTS, CHERRIES, NECTARINES, PEACHES, PISTACHIOS (continued)	White Peach Scale on Peaches: Only for use in Georgia, Florida, South Carolina, North Carolina, and Alabama.	Dilute Spray: Use 1.5-2 gallons per 100 gallons of water. Concentrate Spray: Use 6-8 gallons per acre.	DORMANT Apply before buds begin to swell in the spring. Make 2 applications 7-14 days apart, according to local recommendations, during the dormant period.
	Powdery Mildew (Cherries, Nectarines* and Peaches* only)	Dilute Spray: Use 1-2 gallons per 100 gallons of water. Concentrate Spray: Use 6-8 gallons per acre.	Cherries Preharvest Use: Use up to pit hardening stage. Apply at 10- to 14-day intervals, but shorten the interval and use the highest rate when disease conditions are severe. Postharvest applications: may be made to maintain control and reduce overwintering inoculum. Nectarines/Peaches* Begin at 5% bloom and continue at 10- to 14-day intervals until terminal growth phase stops. Do not apply to oil-sensitive varieties.
	European Red Mite, Brown Mite Pacific Mite, Two-spotted Spider Mite	Dilute Spray: Use 0.5-1.5 gallons per 100 gallons of water. Concentrate Spray: Do not use more than 4 gallons per acre.	FOLIAR AND POSTHARVEST SPRAY Apply when mites first appear. Repeat sprays every 10-14 days. Post-harvest sprays may be made to maintain control and reduce overwintering pressure. Do not apply oil to sensitive varieties.
APPLES (continues below)	Apple Aphid eggs, Codling Moth*, European Fruit Lecanium Scale, European Red Mite eggs, Forbes Scale, Olive Scale, Rosy Apple Aphid eggs, San Jose Scale	Dilute Spray: Use 1-2 gallons per 100 gallons of water. Concentrate Spray: Use 3-8 gallons per acre.	DORMANT/DELAYED DORMANT TO 1/2 INCH GREEN Codling Moth: Use to control first generation early instar stages only.
	Apple Red Bug, European Red Mite, Fruit Tree Leafroller, Scurfy Scale	Dilute Spray: Use 1-3 gallons per 100 gallons of water. Concentrate Spray: Use 3-12 gallons per acre.	DORMANT/DELAYED DORMANT TO 1/2 INCH GREEN European Red Mite: Delayed dormant preferred
	Powdery Mildew	Dilute Spray: Use 1-2 gallons per 100 gallons of water. Concentrate Spray: Use 3-12 gallons per acre.	Apply at tight cluster and continue every 10-14 days through second cover spray. Use the highest specified rates and a 10-day application interval when disease conditions are severe.

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FRUIT AND NUT CROPS and OTHER LISTED PERENNIAL CROPS

CROP	PESTS	CLEARGUARD™ HORTICULTURAL SPRAY OIL	COMMENTS
APPLES <i>(continued)</i>	European Red Mite, Fruit Tree Leafroller*, Leafhopper*, Pacific Red Mite, Rosy Apple Aphid*, San Jose Scale crawler, Two-spotted Spider Mite	Dilute Spray: Use 0.25-1.5 gallons per 100 gallons Concentrate Spray: Do not exceed more than 1.5 gallons per acre per application.	FOLIAR Post Bloom Apply every 10-14 days depending on level of pest pressure. Post-harvest sprays may be made to maintain control and reduce over- wintering pressure. Do not apply oil to sensitive varieties.
AVOCADOS	Avocado Brown Mite, Persea Mite, Thrips	Dilute Spray: Use 0.5-1 gallons per 100 gallons of water with thorough coverage at 400- 3000 gallons of water per acre. Concentrate Spray: Use 4-15 gallons per acre in a minimum of 50 gallons of water per acre.	California: Consult with your local University of California Cooperative Extension Service for proper timing and application parameters.
BANANAS, PLANTAINS	Black Leaf Streak, Black Sigatoka, Yellow Sigatoka	Dilute Spray: Use 0.5-1.5 gallons in 20- 100 gallons of water per acre. Mist Blower: Use 1.5 gallons in 6 gallons of water per acre.	Begin application when disease first appears and continue every 10-15 days during rainy periods or as is needed. Do not apply when daytime temperatures exceed 80°F as injury may occur. Phytotoxicity may be affected by the quantity of oil used, vigor of trees and temperature at the time of application. Bag fruits, or use a directed spray on unbagged fruits. Bagged fruit improves crop safety where as unbagged fruit may show phytotoxicity. This application is also effective in loosening Sooty Mold Fungus and in preventing its formation by the control of Aphid, Mealybug, Scale and Whitefly.
BLACKBERRIES, BLUEBERRIES*, BUSHBERRIES*, CANEBERRIES, RASPBERRIES,	Aphid*, Mealybug*, Mites, Powdery Mildew, Rust, Sawfly eggs*, Scale* Whitefly*	Dilute Spray: Use 0.75-1.5 gallons per 100 gallons of water. Concentrate Spray: Use 1.5-3 gallons per acre.	Using ground equipment, spray for optimum coverage of leaf surfaces. For fungal diseases use at least 200 psi spray pressure.
COFFEE	Green Scale	Concentrate Spray: Use 3- 6 gallons per acre. Use only water as a diluent.	Apply when insects appear and treat as necessary at 30- to 60-day intervals. Do not exceed 18 gallons of oil per acre in a growing season. Do not apply within 30 days of harvest when berries are handpicked. Oil residues make picking difficult.

*Crop or pest not approved in California.

[Note to reviewer: this text will appear on any page or panel with an asterisk indicating a crop or pest not approved in California.]

FRUIT AND NUT CROPS and OTHER LISTED PERENNIAL CROPS

CROP	PESTS	CLEARGUARD™ HORTICULTURAL SPRAY OIL	COMMENTS
FIGS	Fig Scale	Dilute Spray: Use 1-3 gallons per 100 gallons of water.	DORMANT/DELAYED DORMANT
	Mealybug, Mites, Scale	Dilute Spray: Use 1-2 gallons per 100 gallons of water. Concentrate Spray: Use 2- 6 gallons per acre.	FOLIAR
GRAPES	Botrytis, Leafhopper*, Mealybug, Mites, Powdery Mildew, Whiteflies*	Dilute Spray: Use 0.5 - 2 gallons per acre depending on pest pressure.	DORMANT AND FOLIAR Using ground equipment, spray for optimum coverage of leaf surfaces. Repeat sprays every 10-14 days. Do not tank-mix oil and copper more than once/season. Do not use copper and oil together with fruit present. For Powdery Mildew: Make first application pre-bloom and continue every 10 days to 3 weeks depending on level of disease pressure. Use 2 gallons of product per acre at 10-day intervals when disease conditions are severe. For Botrytis Bunch Rot: Initiate sprays at bloom and repeat prior to bunch closing and veraison. Final application at harvest if needed. Use 2 gallons of product per acre when disease conditions are severe. For Table Grapes: Oil will remove the bloom on grapes. Do not spray table grapes within 2 weeks of harvest.
KIWI	Greedy Scale, Latania Scale, Oleander Scale, San Jose Scale	Concentrate Spray: Use 4-6 gallons per acre.	Do not apply after budbreak. Do not use on weak or stressed vines, or where soil moisture is inadequate. Use 6-gallon rate when scale populations are high.
MANGO	Mites	Concentrate Spray: Use 1-1.5 gallons per acre.	Apply every 2-3 weeks as necessary depending on level of pest pressure.
	Powdery Mildew		Begin application before bloom. Repeat at bloom and every 2-3 weeks as necessary.

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FRUIT AND NUT CROPS and OTHER LISTED PERENNIAL CROPS

CROP	PESTS	CLEARGUARD™ HORTICULTURAL SPRAY OIL	COMMENTS
OLIVES	Black Scale, Oleander Scale, Olive (Parlatoria) Scale	Use 1-1.5 gallons per 100 gallons of water at 400-1500 gallons of water per acre.	POSTBLOOM AND POST HARVEST
	Mites	Use 1.5 gallons per 100 gallons of water at 400-1500 gallons of water per acre.	PREBLOOM TO POSTBLOOM BUCK-SHOT
PAPAYA	Mites, Papaya Ringspot Virus, Powdery Mildew	Concentrate Spray: Use 0.75-1.5 gallons per acre.	For Powdery Mildew/Mites: Spray every 10-14 days depending on the level of pest pressure. For Virus: Initiate spray when seeds are germinated. Spray weekly using 400-psi spray pressure and ceramic hollow cone nozzles.
PEARS	Codling Moth*, European Fruit Lecanium Scale, European Red Mite eggs, Olive Scale, Pear Psylla, San Jose Scale	Dilute Spray: Use 1-2 gallons per 100 gallons of water. Concentrate Spray: Use 3-8 gallons per acre.	DORMANT/DELAYED DORMANT (up to and including petal fall) Pear Psylla: Apply before eggs are laid. Codling Moth: Use to control first generation early instar stages only.
	Fruit Tree Leafroller, Pear Leaf Blister, Mite	Dilute Spray: Use 1-3 gallons per 100 gallons of water. Concentrate Spray: Use 3-12 gallons per acre.	DORMANT/ DELAYED DORMANT (up to and including petal fall)
	Powdery Mildew*	Dilute Spray: Use 1-2 gallons per 100 gallons of water. Concentrate Spray: Use 3-12 gallons per acre.	Apply at bud burst and continue every 10-14 days. Use the highest specified rates and a 10-day application interval when disease conditions are severe.
	European Red Mite, San Jose Scale crawlers, Italian Pear Scale crawlers*, Leafhopper*, Pacific Red Mite, Pear Psylla, San Jose Scale crawlers, Two-spotted Spider Mite	Dilute Spray: Use 0.25-1.5 gallons per 100 gallons of water. Concentrate Spray: Do not exceed more than 1.5 gallons per acre per application.	FOLIAR - Post Bloom Do not exceed more than 1.5 gallons of oil per acre per application for SUMMER treatments. Post-harvest applications may be made to maintain control and reduce over-wintering inoculum. Do not apply oil to sensitive varieties.
PECANS	Aphid eggs, Mite eggs, Scale,	Dilute Spray: Use 2-3 gallons per 100 gallons of water. Concentrate Spray: Use 6-8 gallons per acre.	Apply from dormancy until buds first break. Use the lowest specified rate of product when trees are in a weakened condition.

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FRUIT AND NUT CROPS and OTHER LISTED PERENNIAL CROPS

CROP	PESTS	CLEARGUARD™ HORTICULTURAL SPRAY OIL	COMMENTS
PINEAPPLE	Bud Moth, Chinese Rose Beetle, Mealybug	<p>Dilute Spray: Use 1-2 gallons per 100 gallons of water.</p> <p>Dip: Use 1-2 gallons in 100 gallons of water. Dip for 30 seconds.</p>	Allow fruit to dry for 1 hour before being stored.
PLUMS, PRUNES	Aphid eggs, Black Scale, Brown Mite eggs, European Fruit Lecanium Scale, European Red Mite eggs, Frosted Scale, Fruit Tree Leafroller eggs, Olive Scale, San Jose Scale, Tent Caterpillar eggs*	<p>Dilute Spray: Use 1-3 gallons per 100 gallons of water.</p> <p>Concentrate Spray: Use 6-8 gallons per acre.</p>	<p>DORMANT/DELAYED DORMANT TO GREEN TIP Preferred times of application for European Fruit Lecanium Scale and European Red Mite eggs are Green Tip to Delayed Dormant, and for San Jose Scale are Dormant, Delayed Dormant to Green Tip.</p>
	Cottony Peach Scale, Terrapin Scale	<p>Dilute Spray: Use 2-3 gallons per 100 gallons of water.</p> <p>Concentrate Spray: Use 8-12 gallons per acre.</p>	DORMANT/DELAYED DORMANT TO GREEN TIP
	Brown Mite, European Red Mite, Pacific Mite, Two-spotted Spider Mite	<p>Dilute Spray: Use 0.5-1.5 gallons per 100 gallons of water.</p> <p>Concentrate Spray: Do not use more than 4 gallons per acre.</p>	<p>FOLIAR Some varieties of plums and prunes may be injured by oil sprays. Check for tolerance prior to treatment. Do not apply to trees lacking moisture.</p> <p>Post-harvest sprays may be made to maintain control and reduce overwintering pressure. Do not apply oil to sensitive varieties.</p> <p>Oil may remove waxy bloom.</p>
POMEGRANATE	Aphid eggs, Black Scale, Brown Scale, European Red Mite eggs, Frosted Scale, Mealy Bugs, Olive Scale, San Jose Scale, Soft Scale	Use 2-3 gallons per 100 gallons of water at 50-300 gallons of water per acre.	DORMANT/DELAYED DORMANT Apply during winter when leaves are not present.
	Aphids, Mealy Bugs, Powdery Mildew*, Scale crawlers*, Spider Mite, Whitefly	Use 1-3 gallons per 100 gallons of water at 50-300 gallons of water per acre.	FOLIAR Spray every 2 - 3 weeks depending on pest pressure.
STRAWBERRIES	Aphids*, Botrytis, Leafminers*, Mites, Powdery Mildew, Sawfly*, Scale, Whitefly	Use 0.75-1.5 gallons per 100 gallons of water at 100-200 gallons of water per acre.	Spray at no less than 400 psi using ceramic spray nozzles.

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FRUIT AND NUT CROPS and OTHER LISTED PERENNIAL CROPS

CROP	PESTS	CLEARGUARD™ HORTICULTURAL SPRAY OIL	COMMENTS
WALNUTS	Black Scale, Calico Scale, European Fruit Lecanium Scale, European Red Mite eggs, Frosted Scale, Olive Scale, San Jose Scale, Walnut Aphid eggs	Use 4-6 gallons per acre at 200-500 gallons of water per acre.	DELAYED DORMANT Use only on trees that have not suffered from lack of moisture at any time during the growing season. Trees must be fully dormant. Do not apply to orchards where soil moisture is low. Do not apply after husk split.
	Soft Scales, Spider Mites	Use 4-6 gallons per acre at 200-500 gallons of water per acre.	FOLIAR Do not apply after husk split. Do not spray oil-sensitive varieties.

CITRUS (California Only)

CROP	PESTS	CLEARGUARD™ HORTICULTURAL SPRAY OIL	COMMENTS
GRAPEFRUIT, LEMONS, LIMES, ORANGES (Navel & Valencia), TANGELOS, TANGERINES Other citrus hybrids	Black Scale, Brown Scale, California Red Scale, Citricola Scale, Citrus Bud Mite, Citrus Flat Mite, Citrus Red Mite, Citrus Rust Mite, Purple Scale, Red Scale, Soft Scale, Yellow Scale	Apply 0.5-1.5 gallons per 100 gallons of water as thorough coverage spray. Alternately, use a low volume spray to apply 1-10 gallons per acre. Apply up to 10 gallons per acre on fruit bearing trees up to 10 feet in height. Add 1 gallon per acre for each foot of tree height over 10 feet.	<p>Central California: Lemons and Limes Make applications in all months except December through February.</p> <p>Southern California: Coastal Lemons and Limes Apply May and June and/or September through December.</p> <p>Southern California: Interior Lemons and Limes Apply in April and May and/or September through November.</p> <p>Grapefruit Make applications July through October.</p> <p>Navel Oranges Make applications July through September.</p> <p>Valencia Oranges, Tangelos, Tangerines and other citrus hybrids Make applications July through October.</p> <p>Oxnard Plains Area Make applications as needed throughout the year.</p>

Thorough Coverage Spray

Applications achieving a uniform film wetting of all portions of the tree at 250-2000 gallons of spray solution per acre. The total volume is dependent on the size of the trees.

RESTRICTION: Do not exceed a maximum of 212 pounds of active ingredient (in a maximum volume of 2000 gallons of spray mix per acre) when treating citrus in California (based on thorough coverage spray, with 1.5 gallons of product mixed per 100 gallons of water).

Low-Volume Spray

Applications with droplet depositions achieved on all interior and exterior parts of the tree using 10-100 gallons of spray solution per acre. Do not apply prior to or during a period of excessively high temperatures. Do not apply **CLEARGUARD™ HORTICULTURAL SPRAY OIL** when trees show stress. Consult with your local University of California Cooperative Extension Specialist for proper timing and spray program.

CITRUS (Florida and Texas)			
CROP	PESTS	CLEARGUARD™ HORTICULTURAL SPRAY OIL	COMMENTS
CITRONS, GRAPEFRUIT, LEMONS, LIMES, MANDARINS, ORANGES, TANGELOS, TANGERINES Other citrus hybrids	Bud Mites, Citrus Rust Mite, Flat Mites, Spider Mites	Use 5-10 gallons per acre. Apply as a dilute spray.	
	Black Soft Scale, Brown Soft Scale, Chaff Scale, Glover Scale, Purple Scale, Red Scale, Yellow Scale	Use 5-10 gallons per acre. Apply as a dilute spray.	Does not control Citrus Snow Scale.
	Blackfly, Whitefly	Use 5 gallons per acre. Apply as a dilute spray.	
	Greasy Spot (Grape- fruit)		Tank-mix with sufficient copper fungicide to provide 4 lbs. per acre of metallic copper.
	Greasy Spot (all other varieties)	Use 5-10 gallons per acre. Apply as a dilute spray.	If disease pressure is severe, tank-mix 4 lbs. (metallic) copper per acre. Do not exceed 5 gallons oil if copper used.
	Loosening sooty mold		Use 10-gallon rate when disease pressure is heavy.

Dilute spray

Apply the **CLEARGUARD™ HORTICULTURAL SPRAY OIL** application rate in up to 1500 gallons of water per acre, or 10-12 gallons per tree, to over 15 gallons per tree for large trees.

RESTRICTION: Do not exceed a maximum of 159 pounds of active ingredient (in a maximum volume of 1500 gallons of spray mix per acre) when treating citrus in Florida and Texas (based on dilute spray, with 1.5 gallons of product mixed per 100 gallons of water). Improved control can be obtained when CLEARGUARD™ is added to a partially filled spray tank under proper agitation and all foliage is thoroughly covered.

Precautions in the use of oil include

Do not apply oil spray when trees are wilting. Do not apply oil and sulfur within 3 weeks of each other in Florida or Texas. Oil spray applied after October 1 may increase susceptibility of trees to cold damage and may reduce the fruit crop the following year. Oil sprays applied in the fall may inhibit solids formation in the juice and retard coloring of fruit. Do not apply within 60 days of anticipated harvest. Sensitive foliage may be injured.

Florida growers consult the Florida Citrus Spray and Dust Schedule, or your Agricultural Experiment Station or State Extension Service Specialist for complete details on the spraying program best suited to your locale. Texas growers consult with your Agricultural Experiment Station or State Extension Specialist for complete details on the spraying program suited to your locale.

FIELD CROPS			
CROP	PESTS	CLEARGUARD™ HORTICULTURAL SPRAY OIL	COMMENTS
ALFALFA (Seed Crop Only)*	Spider Mites	Use 0.25 gallons per acre in a minimum of 20 gallons water per acre.	Use only in combination with a miticide labeled for use on alfalfa. Use 0.25 gallons of oil per acre in 20-30 gallons of water when used in combination with miticides that are labeled for use with oil. Follow the label rates of the miticide.
CORN (Sweet & Field)	Aphids, Armyworm, Cercospora Leaf Spot*, Corn Earworm, Leafhopper*, Leafminers, Mites, Rootworm, Whitefly	Use 1-2 gallons per acre in a minimum of 10 gallons of water per acre.	Use ground equipment only. Spray for optimum coverage of leaf surfaces.
SUGAR BEETS	Aphids, Armyworm, Cercospora Leaf Spot*, Corn Earworm, Leafhopper*, Leafminers, Mites, Rootworm, Whitefly	Use 2 gallons acre in a minimum of 10 gallons of water per acre.	Spray for optimum coverage of leaf surfaces.
COTTON*, TOBACCO*	Aphids, Beetle Larvae, Cercospora Corn Rootworm, Earworm, Fall Armyworm, Leafhopper, Leafminers, Mites, Thrips, Whitefly	Use 0.75-1.0 gallons per acre in a minimum of 10 gallons of water per acre.	For heavy pest pressure on tobacco, application rate can be increased to 2 gallons per acre.
GRASSES GROWN FOR SEED* - Bluegrass, Fescues, Orchardgrass, Perennial Rye-grass	Mites, Powdery Mildew, Rust	Use 1-2 gallons per acre in a minimum of 10 gallons of water per acre.	Initiate sprays in late spring, or early fall when powdery mildew and rust pustules are noticeable. Continue sprays every 14-21 days.
HOPS*	Aphids, Mites, Powdery Mildew, Whitefly	Use 1-2 gallons per acre in a minimum of 20-50 gallons of water per acre.	For Powdery Mildew: Initiate sprays at early leaf stage. Continue sprays every 10-14 days. Mite control will be effective under the same spray interval as powdery mildew sprays. Discontinue sprays at burr development.

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VEGETABLE CROPS			
CROP	PESTS	CLEARGUARD™ HORTICULTURAL SPRAY OIL	COMMENTS
ASPARAGUS, BALSAM APPLE, BALSAM PEAR, BEANS (including Garbanzo Beans), BEETS, BITTER MELON, BROCCOLI RAAB, BROCCOLI, BRUSSELS SPROUTS, CABBAGE, CABBAGE (Gai Choy), CANTALOUPE, CASABA, CAULIFLOWER, CAVALO BROCCOLI, CELERY, CHAYOTE, CHINESE BROCCOLI, CHINESE CABBAGE (Bok Choy and Napa), CHINESE CUCUMBER, CHINESE MUSTARD CABBAGE, CHINESE OKRA, CHINESE WAXGOURD, CITRON MELON, COLLARDS, CRENSHAW MELON, CUCUMBER, CUCUZZA, DASHEEN (Taro)*, EGGPLANT, GHERKIN, GINGER*, GINSENG*, GOLDEN PERSHAW MELON, HECHIMA, HERBS AND SPICES* (Curly Leaf Basil, Lemon Balm), HONEY BALLS, HONEYDEW MELON, HYOTAN, JAPANESE RADISH (Daikon)*, KALE, KOHLRABI, LETTUCE, MANGO MELON, MIZUNA, MUSTARD GREENS, MUSTARD SPINACH, OKRA*, PEAS*, PEPPERS, PERSIAN MELON, POTATOES, PUMPKIN, RADISH, RAPE GREENS, SUMMER SQUASH, SWEET POTATOES, TRUE CANTALOUPE, WATERMELON, WINTER SQUASH	Alternaria Leafspot, Aphids, Beetle Larvae, Caterpillars, Cucumber Mosaic Virus, Gummy Stem Blight, Leafhopper, Leafminers, Mites, Papaya Ringspot Virus, Pepper Mottle Virus, Potato Leafroll Virus, Potato Virus Y, Powdery Mildew, Rust, Thrips, Tobacco Etch Virus, Watermelon Mosaic Virus 2, Whitefly, Zucchini Yellow Mosaic Virus	Use 0.75-1.5 gallons per acre in 20-50 gallons of water.	When using CLEARGUARD™ HORTICULTURAL SPRAY OIL to control insect-transmitted diseases, use higher pressure (minimum 100 psi) and ceramic hollow cone nozzles, and spray once or twice weekly depending on the rapid growth of the crop.

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VEGETABLE CROPS			
CROP	PESTS	CLEARGUARD™ HORTICULTURAL SPRAY OIL	COMMENTS
GARLIC* , LEEKs* , ONIONS* (Dry Bulb and Green), SHALLOTS*	Flower Thrips, Leaf Miner flies, Onion Maggot flies, Onion Thrips, Seed corn Maggot flies, Western Flower Thrips	Use 0.5-1.5 gallons per acre in a minimum of 20-50 gallons of water per acre.	Make applications when pests appear and repeat as necessary to maintain control. This product may be used with other registered insecticides, such as pyrethroids, to improve control of thrips. Follow all label restrictions, precautions and directions for use on other registered insecticides.
CHINESE ARTICHOKE* (Japanese Artichoke), CILANTRO* , HERBS AND SPICES* (Mexican Oregano, Spearmint)	Alternaria Leafspot, Aphids, Mites, Beetle Larvae, Caterpillars, Cucumber Mosaic Virus, Etch Virus, Gummy Stem Blight, Leafhopper, Leafminers, Papaya Ringspot Virus, Pepper Mottle Virus, Pepper Psyllids, Potato Leafroll Virus, Potato Virus Y, Tobacco Powdery Mildew, Rust, Thrips, Watermelon Mosaic Virus 2, Whitefly, Zucchini Yellow Mosaic Virus	Use 1-2 gallons per acre in a minimum of 20-50 gallons of water.	When using CLEARGUARD™ HORTICULTURAL SPRAY OIL to control insect-transmitted diseases, use higher pressure (minimum 100 psi) and ceramic hollow cone nozzles, and spray once or twice weekly depending on the rapid growth of the crop.
TOMATOES	Alternaria Leafspot, Aphids, Army Worm*, Beetle Larvae, Cucumber Mosaic Virus*, Fruit Worm*, Gummy Stem Blight, Horn Worm*, Leafhopper Leafminers, Lygus Bug*, Mites, Papaya Ringspot Virus*, Pepper Mottle Virus*, Potato Leafroller Virus*, Potato Virus Y*, Powdery Mildew, Rust, Stink Bug*, Thrips, Tobacco Etch Virus*, Watermelon Mosaic Virus 2*, Tomato Pin Worm*, Tomato Psyllid*, Whitefly, Zucchini Yellow Mosaic Virus*	Use 0.75-1.5 gallons per 100 gallons of water at 20-150 gallons of water per acre.	When using CLEARGUARD™ HORTICULTURAL SPRAY OIL to control insect-transmitted diseases, use higher pressure (minimum 100 psi) and ceramic hollow cone nozzles, and spray once or twice weekly depending on the rapid growth of the crop

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NON-BEARING FRUIT TREES			
CROP	PESTS	CLEARGUARD™ HORTICULTURAL SPRAY OIL	COMMENTS
APPLE*, CHERRY*, PEACH*, PEAR*	Mites	Dilute Spray: Use 1-2 gallons per 100 gallons of water.	Apply every 10-14 days.
	Powdery Mildew	Dilute Spray: Use 1-2 gallons per 100 gallons of water.	Spray before disease first appears. Apply every 10-14 days.

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COMMERCIAL TREES			
CROP	PESTS	CLEARGUARD™ HORTICULTURAL SPRAY OIL	COMMENTS
CHRISTMAS TREES **	Adelgids, Aphids, Scale (soft & hard) (immature), Spider Mites	Dilute Spray: Use 1.5-2.5 gallons per 100 gallons of water.	WINTER DORMANT Use 1.5 gallons of oil per 100 gallons on sensitive plants such as Cryptomeria, Smoke Tree, Chamaecypris, Juniper, Japanese Holly and Spruce. Tendency toward sensitivity: Red Cedar and Douglas Fir.
		Dilute Spray: Use 0.5-1.5 gallons per 100 gallons of water.	FOLIAR Use 0.5 gallons of oil per 100 gallons on sensitive plants such as Cryptomeria, Smoke Tree, Chamaecypris, Juniper, Japanese Holly and Spruce. Tendency toward sensitivity: Red Cedar and Douglas Fir.

**This product removes the glaucous (blue) bloom from such evergreens as Colorado Blue Spruce and Koster Spruce.

ORNAMENTALS			
CROP	PESTS	CLEARGUARD™ HORTICULTURAL SPRAY OIL	COMMENTS
FLOWERING AND FOLIAGE PLANTS INCLUDING ROSES AND OTHER FLOWERING SHRUBS	Adelgids, Aphids, Blackspot, Eriophyid Mites, Gall Mites, Honey Locust Plant Bug, Lace Bug, Leaf Beetle Larvae, Leafminer (non-larvae), Leafrollers, Mealybugs, Powdery Mildew, Psyllids (immature), Red Mites, Sawfly (larvae), Scales (immature), Spider Mites, Webworms, Whiteflies, Young larvae/ Caterpillars	Use 2-3 gallons per 100 gallons of water in 100-250 gallons of water per acre.	DORMANT Do not spray during flowering.
		Use 0.75-2 gallons per 100 gallons of water at 100-250 gallons of water per acre.	FOLIAR For blackspot and powdery mildew control during the summer, do not exceed 1.5 gallons of oil per 100 gallons of water. Do not spray during flowering.
FOLIAGE ORNAMENTALS & BEDDING PLANTS	Adelgids, Aphids	Use 2-3 gallons per 100 gallons of water in 50-150 gallons of water per acre.	DORMANT
		Use 0.75-2 gallons per 100 gallons of water in 50-150 gallons of water per acre.	FOLIAR Determine application safety during bloom period for each individual species of plant to be treated by conducting a small test. Do not spray during flowering.

ORNAMENTALS			
CROP	PESTS	CLEARGUARD™ HORTICULTURAL SPRAY OIL	COMMENTS
SHADE TREES**, ORNAMENTAL TREES**, SHRUBS (INCLUDING CONIFERS, DECIDUOUS AND BROADLEAF EVERGREENS & WOODY ORNAMENTALS)	Adelgids, Aphids, Black Spot, Eriophyid Mites, Gall Mites, Hemlock Woolly Adelgids, Honey Locust Plant Bug, Lace Bug, Leaf Beetle Larvae, Leafminer (non- larvae), Leafrollers, Mealybugs, Powdery Mildew (on crepe myrtle), Psyllids (immature), Red Mite, Sawfly (larvae), Scale (immature), Spider Mite, Webworm, Whitefly, Young larvae/Caterpillar	Use 2-3 gallons per 100 gallons of water at 100-500 gallons of water per acre.	<p>DORMANT Use a 2-week application interval. Do not spray when there is obvious moisture deficit in leaves, or the plant is under stress. For fall dormant applications, reduce rate to 2 gallons oil per 100 gallons water and limit use only to: American Red Oak, Japanese Black Pine, Dogwood, Weeping Cherry, Cornelian Cherry, Crabapple, Norway Maple, and Purple Plum.</p> <p>NOTE: This product may cause discoloration of Blue Spruce. Do not use on conifers or ferns not tolerant to oil sprays (e.g., Alberta Dwarf Spruce). Use enough spray solution to completely penetrate the leaf canopy and cover both top and bottom of all of the leaves and stems until wet but without significant runoff.</p> <p>Always use lower dosage or test spray oil sensitive plants such as Cryptomeria, Smoke Tree, Chamaecypris, Juniper, Japanese Holly and Spruce. Tendency toward sensitivity: Red Cedar and Douglas Fir</p> <p>Do not spray during flowering.</p>
		Use 0.75-2 gallons per 100 gallons of water in 100-500 gallons of water per acre.	<p>FOLIAR Blackspot and Powdery Mildew: During the summer, do not exceed 2 gallons of oil per 100 gallons of water. Use a 2-week application interval. Do not spray when there is obvious moisture deficit in leaves, or the plant is under stress.</p> <p>NOTE: This product may cause discoloration of Blue Spruce. Do not use on conifers or ferns not tolerant to oil sprays (e.g. Alberta Dwarf Spruce). Use enough spray solution to completely penetrate the leaf canopy and cover both top and bottom of all of the leaves and stems until wet but without significant runoff.</p> <p>Always use lower dosage or test spray oil sensitive plants such as Cryptomeria, Smoke Tree, Chamaecypris, Juniper, Japanese Holly and Spruce. Tendency toward sensitivity: Red Cedar and Douglas Fir</p> <p>Do not spray during flowering.</p>

**This product removes the glaucous (blue) bloom from such evergreens as Colorado Blue Spruce and Koster Spruce.

GREENHOUSES AND CONTAINERS AND INTERIORSCAPES

Frequency of Application: For the pests listed, use once a week initially, and then as the pest is controlled, decrease the frequency to every 2-3 weeks as needed. Determine application safety during bloom period for each individual species of plant to be treated by conducting a small test.

Some plants are more sensitive to oil treatments if any of the following conditions are present when application is made: high humidity (74%), an overcast or cloudy day, inadequate air flow, and/or a small greenhouse where the sunlight is magnified causing a fast build-up of temperature and light intensity.

GREENHOUSES AND CONTAINERS AND INTERIORSCAPES			
CROP	PESTS	CLEARGUARD™ HORTICULTURAL SPRAY OIL	COMMENTS
AGERATUM, CROWN OF THORNS, DIEFFENBACHIA, FERNS, FICUS, LISIANTHUS, ORCHID, PALMS, PETUNIA, POINSETTIA, SCHEFFLERA, SUNFLOWER	Aphids, Fungus Gnats, Leafminers, Mealybugs, Scales (soft & hard), Spider Mites, Thrips, Whitefly	Use 0.5-1 gallons per 100 gallons of water in 100-200 gallons of water per acre.	FOLIAR Due to varietal differences in response to a treatment of this product at the labeled rate, conduct a small test on 1 or 2 plants of the specific variety to be treated.
AGLAONEMA, ASTER, AZALEAS, BEGONIAS, BROWALLIA, CAMELLIAS, CARNATION, CELOSIA, CHRYSANTHEMUM, COLEUS, COSMOS, CREPE MYRTLE, DUSTY MILLER, EASTER LILIES, FUCHSIA, GARDENIAS, GERBERA, HELICHRYSUM, HIBISCUS FOLIAGE, HYDRANGEA, IMPATIENS, JADE PLANT, MARIGOLD, NEW GUINEA IMPATIENS, NICOTONIA, PHILODENDRON, PORTULACA, REIGER BEGONIAS, SNAPDRAGON, ZINNIAS	Aphids, Fungus Gnats, Leafminers, Mealybugs, Powdery Mildew* Scales (soft & hard), Spider Mites, Thrips, Whitefly	Use 1-2 gallons per 100 gallons of water in 100-200 gallons of water per acre.	FOLIAR Due to varietal differences in response to a treatment of this product at the labeled rate, conduct a small test on 1 or 2 plants of the specific variety to be treated.
LEAF POLISH FOR HARDY PLANTS		Use 1 gallon per 100 gallons of water.	FOLIAR Wipe upper and lower sides of leaf until fully covered.

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CONDITIONS OF SALE AND LIMITATIONS OF WARRANTY AND LIABILITY

It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness, or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of BVA, Inc., the manufacturer or seller. All such risks shall be assumed by the buyer.

To the extent permitted by applicable law neither BVA, Inc., the manufacturer, or seller shall be liable for consequential, special or indirect damages resulting from the use or handling of this product. Except as provided by applicable laws or except as warranted by this label, BVA, Inc., the manufacturer or seller makes no warranties, guarantees, or representations of any kind, either express or implied, or by usage of trade, statutory or otherwise, with regard to the product sold, including, but not limited to, merchantability, fitness for a particular purpose, use or eligibility of the product for any particular trade usage. Except as provided by applicable laws, buyer's or user's exclusive remedy, and BVA, Inc., the manufacturer's or seller's total liability, shall be for damages not exceeding the cost of the product.

[Optional Marketing Claims/Language/Logos/Statements]

[CLEARGUARD™ HORTICULTURAL SPRAY OIL FOR LISTED INSECT, MITE AND DISEASE CONTROL]

[CLEARGUARD™ HORTICULTURAL SPRAY OIL FOR LISTED INSECT, MITE, AND DISEASE CONTROL FOR SENSITIVE CROPS]

[CLEARGUARD™ HORTICULTURAL SPRAY OIL FOR LISTED INSECT AND PEST MANAGEMENT]