



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

May 23, 2019

Ms. Juli Mann, Agent  
Petro Canada Lubricants, Inc.  
d/b/a Intelligro  
c/o Steptoe & Johnson, LLP  
1330 Connecticut Avenue, NW  
Washington, DC 20036

Subject: Notification per PRN 98-10 – Revising Two Marketing Claims on Page 28 Per Agency Requirements  
Product Name: PureSpray Green  
EPA Registration Number: 69526-9  
Application Date: May 22, 2019  
Decision Number: 551235

Dear Ms. Mann:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 for the above referenced product. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10.

The label submitted with the application has been stamped “Notification” and will be placed in our records.

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 you have any questions, you may contact please contact me by phone at (703) 308-2972 or by email at [walsh.michael@epa.gov](mailto:walsh.michael@epa.gov).

Sincerely,

A handwritten signature in black ink, appearing to read "Michael Walsh".

Michael Walsh, Product Manager 11  
Invertebrate & Vertebrate Branch 2  
Registration Division  
Office of Pesticide Programs

# PureSpray™ GREEN

**[Front Panel]**

<b>ACTIVE INGREDIENT:</b>	<b>By Weight</b>
Mineral Oil† .....	98.00%
<b>INERT INGREDIENTS:</b> .....	<u>2.00%</u>
<b>TOTAL:</b> .....	<b>100.00%</b>
Unsulfonated Residue of mineral oil	99.00% (minimum)
Aromatic Composition by ASTM D2140 .....	0.00%

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

**KEEP OUT OF REACH OF CHILDREN**

## **CAUTION**

**See Booklet/Inside for Additional Precautionary Statements and Directions for Use**

**EPA REG. NO. 69526-9**  
**EPA EST. NO. \_\_\_\_\_**

**Made in Canada (may contain imported parts) for**  
**INTELLIGRO, A SUNCOR ENERGY BUSINESS**  
**2310 LAKESHORE ROAD W., MISSISSAUGA, ONTARIO, CANADA L5J 1K2**  
™Trademark of Suncor Energy Inc. Used under license.

Patent(s): [www.suncor.com/patents](http://www.suncor.com/patents)

### **NOTIFICATION**

69526-9

The applicant has certified that no changes, other than those reported to the Agency have been made to the labeling. The Agency acknowledges this notification by letter dated:

05/23/2019

[Booklet]

<b>FIRST AID</b>	
<b>If Swallowed:</b>	<ul style="list-style-type: none"><li>• Immediately call a poison control center or doctor.</li><li>• Do not induce vomiting unless told to by a poison control center or doctor.</li><li>• Do not give any liquid to the person.</li><li>• Do not give anything by mouth to an unconscious person.</li></ul>
<b>If on Skin or Clothing:</b>	<ul style="list-style-type: none"><li>• Take off contaminated clothing.</li><li>• Rinse skin immediately with plenty of water for 15-20 minutes</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
<b>If in Eyes:</b>	<ul style="list-style-type: none"><li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li><li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
<b>If Inhaled:</b>	<ul style="list-style-type: none"><li>• Move person to fresh air.</li><li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.</li><li>• Call a poison control center or doctor for further treatment advice.</li></ul>
Have the product container or label with you when calling a poison control center or doctor or going for treatment.	
<b>FOR A MEDICAL EMERGENCY INVOLVING THIS PRODUCT CALL: INTELLIGRO, A SUNCOR ENERGY BUSINESS 403-296-3000, CANUTEC TRANSPORTATION: 613-996-6666 OR A POISON CONTROL CENTER AT 1-800-222-1222.</b>	
<b>NOTE TO PHYSICIAN:</b> Petroleum distillate poses aspiration pneumonia hazard. Only minor irritation should be expected from any type of exposure other than pulmonary aspiration. Ingestion may result in some gastroenteritis and mild diarrhea. Since systemic toxicity is not expected, the added risks of aspiration from attempts to induce vomiting or lavage are deemed not warranted.	

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION

Harmful if swallowed. Harmful if absorbed through skin. Avoid contact with eyes, skin or clothing. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals.

#### PERSONAL PROTECTIVE EQUIPMENT (PPE):

##### Mixers, loaders, applicators, flaggers, and other handlers must wear:

- Long sleeved shirt and long pants
- Chemical-resistant gloves made of Barrier Laminate, Nitrile rubber  $\geq 14$  mils, Neoprene Rubber  $\geq 14$  mils or Viton  $\geq 14$  mils
- Shoes plus socks

See **Engineering Controls Statements** for additional requirements.

**User Safety Requirements:** Follow manufacturer's instructions for cleaning and maintaining PPE. If there are no such instructions for washables, 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 Statements:** 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

Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment wash waters or rinsate. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas.

## 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 through any type of irrigation system. 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. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

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.**

**Aerial application of this product is prohibited.**

### 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 4 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 plants, soil, or water, is: coveralls, shoes plus socks, and chemical-resistant gloves made of any waterproof material.

### 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:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

### CONTAINER DISPOSAL:

#### **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  $\frac{1}{4}$  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. If recycling is unavailable, puncture and dispose of container in sanitary landfill, or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

#### **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  $\frac{1}{4}$  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:** If recycling is unavailable, puncture and dispose of container in sanitary landfill, or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke. **For Metal containers greater than 5 gallons:** If recycling is unavailable, puncture and dispose of container 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 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 apply this product through any type of irrigation system.

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 10 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.

**Do not use this product with the following chemicals:** Captan or Folpet, during, with or following an oil spray. Do not use , chlorothalonil (Bravo), dicloran (Botran), or permethrin (Ambush, Pounce) within 14 days before or after use of this product. Do not use chlorothalonil (Bravo) in a spray program with this product on grapes, ornamentals, or strawberries. Do not use dicofol (Kelthane) in a spray program with this product on ornamentals or strawberries. Do not use propargite (Omite) with this product or within 30 days before or after use of this product (or any other oil spray).after an oil spray.

## USE PRECAUTIONS

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.

## INTEGRATED PEST MANAGEMENT AND RESISTANCE MANAGEMENT

This product can be used in resistance management strategies or in integrated pest management (IPM) programs.

**PureSpray GREEN** is effective for use in programs that attempt to minimize disease resistance as there are no known resistance issues with **PureSpray GREEN**.

Consult with your Federal, State or local Cooperative Extension Specialist for guidance on the proper use of **PureSpray GREEN** in programs for resistance management and using it in an IPM program.

## SPRAY DRIFT MANAGEMENT

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. The applicator and grower must evaluate all factors and make appropriate adjustments when applying this product.

### Wind Speed

Do not apply at wind speeds greater than 15 mph at the application site.

### Temperature Inversions

If applying at wind speeds less than 3 mph, the applicator must determine if (a) conditions of temperature inversion exist, or (b) stable atmospheric conditions exist at or below nozzle height. Do not make applications into areas of temperature inversions or stable atmospheric conditions.

### Release Height

Apply using a nozzle height of no more than 4 feet above the ground or crop canopy.

### Droplet Size

Apply as a medium or coarser spray (ASABE standard 572), and the minimum volume mean diameter (VMD) for spinning atomizer nozzles.

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.

## MIXING DIRECTIONS

- Observe all precautions, limitations, and restrictions on labeling of all products used in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product used in the tank mixing.
- Use consistent agitation to keep spray thoroughly in solution. White mixture indicates good emulsification.
- Add and mix wettable powders before adding PureSpray GREEN.
- Calculate required amounts of water and PureSpray GREEN. Fill the tank half full with water, then add the calculated amount of PureSpray GREEN 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 PROCEDURES

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 RATE TABLES

FRUIT AND NUT CROPS and OTHER LISTED PERENNIAL CROPS			
CROP	PESTS	APPLICATION RATE of PureSpray GREEN (PSG)	COMMENTS
<b>ACEROLA*</b> <b>(Barbados Cherry),</b> <b>ATEMOYA*,</b> <b>CARAMBOLA*</b> <b>(Star Fruit),</b> <b>RAMBUTAN*</b>	Aphids, Beetle Larvae, Caterpillars Leafhopper, Leafminers, Mites, Thrips, Whitefly,  Alternaria Leafspot, Gummy Stem Blight, Powdery Mildew, Rust	<b>Dilute Spray:</b> Use 0.75-1.5 gals. of PSG per 100 gals. of water.  <b>Concentrate Spray:</b> Use 3 – 6 gals. of PSG 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	<b>Dilute Spray:</b> Use 0.75 gals. of PSG per 100 gals. of water.  <b>Concentrate Spray:</b> Use 3 – 6 gals. of PSG per acre.	
<b>ALMONDS,</b> <b>APRICOTS,</b> <b>CHERRIES,</b> <b>NECTARINES,</b> <b>PEACHES,</b> <b>PISTACHIOS</b>	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,	<b>Dilute Spray:</b> Use 1-3 gals. of PSG per 100 gals. of water. <b>Concentrate Spray:</b> Use 6-8 gals. of PSG per acre.	<b>DORMANT/DELAYED DORMANT TO GREEN TIP</b> 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.  <b>Pistachios</b> 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	<b>Dilute Spray:</b> Use 2-3 gals. of PSG per 100 gals of water.  <b>Concentrate Spray:</b> Use 8-12 gals. of PSG per acre.	<b>DORMANT/DELAYED DORMANT</b>

\*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 of pest not approved in California.]*



<b>FRUIT AND NUT CROPS and OTHER LISTED PERENNIAL CROPS</b>			
<b>CROP</b>	<b>PESTS</b>	<b>APPLICATION RATE of PureSpray GREEN (PSG)</b>	<b>COMMENTS</b>
	White Peach Scale on Peaches: Only for use in Georgia, Florida, South Carolina, North Carolina, and Alabama.	<b>Dilute Spray:</b> Use 1.5-2 gals. of PSG per 100 gals. of water.  <b>Concentrate Spray:</b> Use 6-8 gals. of PSG per acre.	<b>DORMANT</b> 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)	<b>Dilute Spray:</b> Use 1-2 gals. of PSG per 100 gals. of water.  <b>Concentrate Spray:</b> Use 6-8 gals. of PSG per acre.	<b>Cherries</b> 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.  <b>Nectarines/Peaches*</b> 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	<b>Dilute Spray:</b> Use 0.5-1.5 gals. of PSG per 100 gals. of water.  <b>Concentrate Spray:</b> Do not use more than 4 gals. of PSG per acre.	<b>Cover) FOLIAR AND POSTHARVEST SPRAY</b> Apply when mites first appear. Repeat sprays every 10-14 days. Post harvest sprays may be made to maintain control and reduce over-wintering pressure. Do not apply oil to sensitive varieties.
<b>APPLES</b>	Apple Aphid eggs, Codling Moth * European Fruit Lecanium Scale European Red Mite eggs, Forbes Scale Olive Scale Rosy Apple Aphid eggs, San Jose Scale	<b>Dilute Spray:</b> Use 1-2 gals. of PSG per 100 gals. of water.  <b>Concentrate Spray:</b> Use 3-8 gals. of PSG per acre.	<b>DORMANT/DELAYED DORMANT TO ½ INCH GREEN</b>  <b>Codling Moth:</b> Use to control first generation early instar stages only.
	Apple Red Bug, European Red Mite Fruit Tree Leafroller, Scurfy Scale	<b>Dilute Spray:</b> Use 1-3 gals. of PSG per 100 gals. of water.  <b>Concentrate Spray:</b> Use 3-12 gals. of PSG per acre.	<b>DORMANT/DELAYED DORMANT TO ½ INCH GREEN</b>  <b>European Red Mite:</b> Delayed dormant preferred
	Powdery Mildew	<b>Dilute Spray:</b> Use 1-2 gals. of PSG per 100 gals. of water.  <b>Concentrate Spray:</b> Use 3-12 gals. of PSG 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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<b>FRUIT AND NUT CROPS and OTHER LISTED PERENNIAL CROPS</b>			
<b>CROP</b>	<b>PESTS</b>	<b>APPLICATION RATE of PureSpray GREEN (PSG)</b>	<b>COMMENTS</b>
	European Red Mite , Fruit Tree Leafroller* Leafhopper*, Pacific Red Mite, Rosy Apple Aphid*, San Jose Scale crawler, Two-spotted Spider Mite,	<b>Dilute Spray:</b> Use 0.25-1.5 gals. of PSG per 100 gals. <b>Concentrate Spray:</b> Do not exceed more than 1.5 gals. of PSG per acre per application.	<b>FOLIAR Post Bloom</b> 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.
<b>AVOCADOS</b>	Avocado Brown Mite, Persea Mite Thrips,	<b>Dilute Spray:</b> Use 0.5-1 gal. of PSG per 100 gals. of water with thorough coverage at 400-3000 gals. of water per acre.  <b>Concentrate Spray:</b> Use 4-15 gals. of PSG per acre in a minimum of 50 gals. of water per acre.	<b>California:</b> Consult with your local University of California Cooperative Extension Service for proper timing and application parameters.
<b>BANANAS, PLANTAINS</b>	Black Leaf Streak , Black Sigatoka, Yellow Sigatoka	Use 0.5-1.5 gals. of PSG in 20-100 gals. of water per acre.  <b>Mist Blower:</b> Use 1.5 gals. of PSG in 6 gals. 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 whereas unbagged fruit may show phytotoxicity. This application is also effective in loosening Sooty Mold Fungus and in preventing its formation by the control of Aphids, Mealybugs, Scales and Whiteflies.
<b>BLACKBERRIES BLUEBERRIES*, BUSHBERRIES*, CANEBERRIES, RASPBERRIES,</b>	Aphids*, Mealybugs*, Mites, Powdery Mildew, Rust, Sawfly eggs*, Scales* Whiteflies*	<b>Dilute Spray:</b> Use 0.75-1.5 gals. of PSG per 100 gals. of water.  <b>Concentrate Spray:</b> Use 1.5 - 3 gals. of PSG per acre.	Using ground equipment, spray for optimum coverage of leaf surfaces. For fungal diseases use at least 200 psi spray pressure.

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<b>FRUIT AND NUT CROPS and OTHER LISTED PERENNIAL CROPS</b>			
<b>CROP</b>	<b>PESTS</b>	<b>APPLICATION RATE of PureSpray GREEN (PSG)</b>	<b>COMMENTS</b>
<b>COFFEE</b>	Green Scale	<b>Concentrate Spray:</b> Use 3-6 gals. of PSG 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 gals. of oil per acre in a growing season. Do not apply within 30 days of harvest when berries are hand-picked. Oil residues make picking difficult.
<b>FIGS</b>	Fig Scale	<b>Dilute Spray:</b> Use 1-3 gals. of PSG per 100 gals. of water.	<b>DORMANT/DELAYED DORMANT</b>
	Mealybug, Mites, Scale	<b>Dilute Spray:</b> Use 1-2 gals. of PSG per 100 gals. of water.  <b>Concentrate Spray:</b> Use 2 – 6 gals. of PSG per acre.	<b>FOLIAR</b>
<b>GRAPES</b>	Botrytis Leafhopper*, Mealybug, Mites, Powdery Mildew, Whiteflies*	Use 0.5 - 2 gals. of PSG per acre depending on pest pressure.	<b>DORMANT AND FOLIAR</b> 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. <b>For Powdery Mildew:</b> Make first application pre-bloom and continue every 10 days to 3 weeks depending on level of disease pressure. Use 2 gals. of product per acre at 10-day intervals when disease conditions are severe. <b>For Botrytis Bunch Rot:</b> Initiate sprays at bloom and repeat prior to bunch closing and véraison. Final application at harvest if needed. Use 2 gals. of product per acre when disease conditions are severe. <b>For Table Grapes:</b> Oil will remove the bloom on grapes. Do not spray table grapes within 2 weeks of harvest.
<b>KIWI</b>	Greedy Scale, Latania Scale, Oleander Scale, San Jose Scale	<b>Concentrate Spray:</b> Use 4-6 gals. of PSG 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.
<b>MANGO</b>	Mites	<b>Concentrate Spray:</b> Use 1-1.5 gals. of PSG 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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<b>FRUIT AND NUT CROPS and OTHER LISTED PERENNIAL CROPS</b>			
<b>CROP</b>	<b>PESTS</b>	<b>APPLICATION RATE of PureSpray GREEN (PSG)</b>	<b>COMMENTS</b>
<b>OLIVES</b>	Black Scale Oleander Scale, Olive (Parlatoria) Scale,	Use 1-1.5 gals. of PSG per 100 gals. of water at 400-1500 gals. of water per acre.	<b>POSTBLOOM AND POST HARVEST</b>
	Mites	Use 1.5 gals. of PSG per 100 gals. of water at 400-1500 gals. of water per acre.	<b>PREBLOOM TO POSTBLOOM BUCKSHOT</b>
<b>PAPAYA</b>	Mites, Papaya Ringspot Virus Powdery Mildew,	<b>Concentrate Spray:</b> Use 0.75-1.5 gals. of PSG per acre.	<b>For Powdery Mildew/Mites:</b> 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.
<b>PEARS</b>	Codling Moth* European Fruit Lecanium Scale, European Red Mite eggs, Olive Scale, Pear Psylla San Jose Scale	<b>Dilute Spray:</b> Use 1-2 gals. of PSG per 100 gals. of water.  <b>Concentrate Spray:</b> Use 3-8 gals. of PSG per acre.	<b>DORMANT/DELAYED DORMANT (up to and including petal fall)</b>  <b>Pear Psylla:</b> Apply before eggs are laid.  <b>Codling Moth:</b> Use to control first generation early instar stages only.
	Fruit Tree Leafroller, Pear Leaf Blister Mite	<b>Dilute Spray:</b> Use 1-3 gals. of PSG per 100 gals. of water.  <b>Concentrate Spray:</b> Use 3-12 gals. of PSG per acre.	<b>DORMANT/ DELAYED DORMANT (up to and including petal fall)</b>
	Powdery Mildew*	<b>Dilute Spray:</b> Use 1-2 gals. of PSG per 100 gals. of water.  <b>Concentrate Spray:</b> Use 3-12 gals. of PSG 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	<b>Dilute Spray:</b> Use 0.25-1.5 gals. of PSG per 100 gals. of water.  <b>Concentrate Spray:</b> Do not exceed more than 1.5 gals. of PSG per acre per application.	<b>FOLIAR - Post Bloom</b> Do not exceed more than 1.5 gals. of oil per acre per application for SUMMER treatments.  Post harvest applications may be made to maintain control and reduce overwintering inoculum. Do not apply oil to sensitive varieties.

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<b>FRUIT AND NUT CROPS and OTHER LISTED PERENNIAL CROPS</b>			
<b>CROP</b>	<b>PESTS</b>	<b>APPLICATION RATE of PureSpray GREEN (PSG)</b>	<b>COMMENTS</b>
<b>PECANS</b>	Aphid eggs, Mite eggs Scale,	<b>Dilute Spray:</b> Use 2-3 gals. of PSG per 100 gals. of water.  <b>Concentrate Spray:</b> Use 6-8 gals. of PSG per acre.	Apply from dormancy until buds first break. Use the lowest specified rate of product when trees are in a weakened condition.
<b>PINEAPPLE</b>	Bud Moth, Chinese Rose Beetle Mealybugs,	<b>Spray</b> - Use 1-2 gals. of PSG per 100 gals. of water.  <b>Dip</b> - Use 1-2 gals. of PSG in 100 gals. of water. Dip for 30 seconds.	Allow fruit to dry for 1 hour before being stored.
<b>PLUMS, PRUNES</b>	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*	<b>Dilute Spray:</b> Use 1-3 gals. of PSG per 100 gals. of water.  <b>Concentrate Spray:</b> Use 6-8 gals. of PSG per acre.	<b>DORMANT/DELAYED DORMANT TO GREEN TIP</b> 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.
	Cottony Peach Scale Terrapin Scale,	<b>Dilute Spray:</b> Use 2-3 gals. of PSG per 100 gals. of water.  <b>Concentrate Spray:</b> Use 8-12 gals. of PSG per acre.	<b>DORMANT/DELAYED DORMANT TO GREEN TIP</b>
	Brown Mite European Red Mite, Pacific Mite, Two-spotted Spider Mite,	<b>Dilute Spray:</b> Use 0.5-1.5 gals. of PSG per 100 gals. of water.  <b>Concentrate Spray:</b> Do not use more than 4 gals. of PSG per acre.	<b>FOLIAR</b> 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.  Post harvest sprays may be made to maintain control and reduce overwintering pressure. Do not apply oil to sensitive varieties.  Oil may remove waxy bloom.

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<b>FRUIT AND NUT CROPS and OTHER LISTED PERENNIAL CROPS</b>			
<b>CROP</b>	<b>PESTS</b>	<b>APPLICATION RATE of PureSpray GREEN (PSG)</b>	<b>COMMENTS</b>
<b>POMEGRANATE</b>	Aphid eggs, Black Scale, Brown Scale, European Red Mite eggs, Frosted Scale, Mealy Bugs Olive Scale, San Jose Scale, Soft Scale,	Use 2-3 gals. of PSG per 100 gals. of water at 50-300 gals. of water per acre.	<b>DORMANT/DELAYED DORMANT</b> Apply during winter when leaves are not present.
	Aphids, Mealy Bugs Powdery Mildew*, Scale crawlers*, Spider Mites, Whiteflies,	Use 1-3 gals. of PSG per 100 gals. of water at 50-300 gals. of water per acre.	<b>FOLIAR</b> Spray every 2 - 3 weeks depending on pest pressure.
<b>STRAWBERRIES</b>	Aphids*, Botrytis, Leafminers*, Mites, Powdery Mildew, Sawfly*, Scale, Whiteflies	Use 0.75-1.5 gals. of PSG per 100 gals. of water at 100-200 gals. of water per acre.	Spray at no less than 400 psi using ceramic spray nozzles.
<b>WALNUTS</b>	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 gals. of PSG per acre at 200-500 gals. of water per acre.	<b>DELAYED DORMANT</b>  Use only on trees that have not suffered from lack of moisture at anytime 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 gals. of PSG per acre at 200-500 gals. of water per acre.	<b>FOLIAR</b> Do not apply after husk split. Do not spray oil sensitive varieties.

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CITRUS (California Only)			
CROP	PESTS	APPLICATION RATE of PureSpray GREEN (PSG)	COMMENTS
<b>GRAPEFRUIT, LEMONS, LIMES, ORANGES (Navel &amp; Valencia), TANGELOS, TANGERINES</b>  <b>Other citrus hybrids</b>	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 gals. of PSG per 100 gals. of water as thorough coverage spray.  Alternately, use a low volume spray to apply 1-10 gals. of PSG per acre.  Apply up to 10 gals. of PSG per acre on fruit bearing trees up to 10 feet in height. Add 1 gal. per acre for each foot of tree height over 10 feet.	<b>Central California, Lemons and Limes</b> Make applications in all months except December through February. <b>Southern California, Coastal Lemons and Limes</b> Apply May and June and/or September through December. <b>Southern California, Interior Lemons and Limes</b> Apply in April and May and/or September through November. <b>Grapefruit</b> Make applications July through October.  <b>Navel Oranges</b> Make applications July through September.  <b>Valencia Oranges, Tangelos, Tangerines and other citrus hybrids</b> Make applications July through October.  <b>Oxnard Plains Area</b> Make applications as needed throughout the year.

**Thorough Coverage Spray:**

Applications achieving a uniform film wetting of all portions of the tree at 250-2000 gals. of spray solution per acre. The total volume is dependent on the size of the trees. Do not exceed a maximum of 212 pounds of active ingredient (in a maximum volume of 2000 gals. of spray mix per acre) when treating citrus in California (based on thorough coverage spray, with 1.5 gals. of product mixed per 100 gals. of water).

**Low-Volume Spray:**

Applications with droplet depositions achieved on all interior and exterior parts of the tree using 10-100 gals. of spray solution per acre. Do not apply prior to or during a period of excessively high temperatures. Do not apply PureSpray GREEN-when trees show stress.

Consult with your local University of California Cooperative Extension Specialist for proper timing and spray program.

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CITRUS (Florida and Texas)			
CROP	PESTS	APPLICATION RATE of PureSpray GREEN (PSG)	COMMENTS
<b>CITRONS,                      GRAPEFRUIT,                      LEMONS,                      LIMES,                      MANDARINS,                      ORANGES,                      TANGELOS,                      TANGERINES</b>  <b>Other citrus hybrids</b>	Bud Mites Citrus Rust Mite, Flat Mites Spider Mites, ,	Use 5-10 gals. of PSG 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 gals. of PSG per acre. Apply as a dilute spray.	Does not control citrus Snow Scale.
	Blackfly , Whitefly	Use 5 gals. of PSG per acre. Apply as a dilute spray.	
	Greasy Spot (Grapefruit)		Tank-mix with sufficient copper fungicide to provide 4 lbs. per acre of metallic copper.
	Greasy Spot (all other varieties)	Use 5-10 gals. of PSG per acre. Apply as a dilute spray.	If disease pressure is severe, tank-mix 4 lbs. (metallic) copper per acre. Do not exceed 5 gals. oil if copper used.
	Loosening sooty mold		Use 10-gallon rate when disease pressure is heavy.

**Dilute spray:**

Apply the PureSpray GREEN application rate in up to 1500 gals. of water per acre, or 10-12 gals. per tree, to over 15 gals. per tree for large trees. Do not exceed a maximum of 159 pounds of active ingredient (in a maximum volume of 1500 gals. of spray mix per acre) when treating citrus in Florida and Texas (based on dilute spray, with 1.5 gals. of product mixed per 100 gallons of water). Improved control can be obtained when PureSpray GREEN 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.

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FIELD CROPS			
CROP	PESTS	APPLICATION RATE of PureSpray GREEN (PSG)	COMMENTS
<b>ALFALFA (Seed Crop Only)*</b>	Spider Mites	Use 0.25 gals. of PSG per acre in a minimum of 20 gals. water per acre.	Use only in combination with a miticide labeled for use on alfalfa. Use 0.25 gals. of oil per acre in 20-30 gals. of water when used in combination with miticides that are labeled for use with oil. Follow the label rates of the miticide.
<b>CORN (Sweet &amp; Field)</b>	Aphids, Armyworm, Cercospora Leaf Spot* Corn Earworm, Leafhopper*, Leafminers, Mites, Rootworm, Whitefly,	Use 1-2 gals. of PSG per acre in a minimum of 10 gals. of water per acre.	<b>Spray for optimum coverage of leaf surfaces.</b>
<b>SUGAR BEETS</b>	Aphids, Armyworm, Cercospora Leaf Spot* Corn Earworm, Leafhopper*, Leafminers, Mites, Rootworm, Whitefly,	Use 2 gals. of PSG per acre in a minimum of 10 gals. of water per acre.	<b>Spray for optimum coverage of leaf surfaces.</b>
<b>COTTON*, TOBACCO*</b>	Aphids, Beetle Larvae, Cercospora Corn Rootworm, Earworm, Fall Armyworm, Leafhopper, Leafminers, Mites, Thrips, Whitefly,	Use 0.75-1.0 gals. of PSG per acre in a minimum of 10 gals. of water per acre.	For heavy pest pressure on tobacco, application rate can be increased to 2 gals. of PSG per acre.
<b>GRASSES GROWN FOR SEED* - Bluegrass, Fescues, Orchardgrass, Perennial Ryegrass</b>	Mites, Powdery Mildew, Rust	Use 1-2 gals. of PSG per acre in a minimum of 10 gals. 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.
<b>HOPS*</b>	Aphids, Mites, Powdery Mildew, Whiteflies	Use 1-2 gals. of PSG per acre in a minimum of 20-50 gals. of water per acre.	<b>For Powdery Mildew:</b> 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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<b>VEGETABLE CROPS</b>			
<b>CROP</b>	<b>PESTS</b>	<b>APPLICATION RATE of PureSpray GREEN (PSG)</b>	<b>COMMENTS</b>
<b>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            CHINESE OKRA,            CHINESE WAXGOURD,            CITRON MELON,            COLLARDS,            CRENSHAW MELON,            CUCUMBER,            CUCUZZA,</b>	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 gals. of PSG per acre in 20-50 gals. of water.	When using PureSpray GREEN 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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<b>VEGETABLE CROPS</b>			
<b>CROP</b>	<b>PESTS</b>	<b>APPLICATION RATE of PureSpray GREEN (PSG)</b>	<b>COMMENTS</b>
<b>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</b>			
<b>GARLIC*,            LEEKS*,            ONIONS* (Dry Bulb            and Green),            SHALLOTS*</b>	Flower Thrips, Leaf Miner flies, Onion Maggot flies, Onion Thrips, Seedcorn Maggot flies, Western Flower Thrips	Use 0.5 - 1.5 gals. of PSG per acre in a min- imum of 20-50 gals. of water per acre.	Make applications when pests ap- pear and repeat as necessary to maintain control. This product may be used with other registered insecti- cides, such as pyrethroids, to im- prove control of thrips. Follow all la- bel precautions and directions for use on other registered insecticides.
<b>CHINESE ARTICHOKE*            (Japanese Artichoke),            CILANTRO*,            HERBS AND SPICES*            (Mexican Oregano,            Mint)</b>	Alternaria Leafspot, Aphids, Mites, Beetle Larvae, Caterpillars, Cucumber Mosaic Virus, Etch Virus, Gummy Stem Blight, Leafhopper, Leafminers, Papaya Ringspot Virus,	Use 1-2 gals. of PSG per acre in a minimum of 20-50 gals. of water.	When using PureSpray GREEN to control insect-transmitted diseases, use higher pressure (minimum 100 psi) and ceramic hollow cone noz- zles, and spray once or twice weekly depending on the rapid growth of the crop

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<b>VEGETABLE CROPS</b>			
<b>CROP</b>	<b>PESTS</b>	<b>APPLICATION RATE of PureSpray GREEN (PSG)</b>	<b>COMMENTS</b>
	Pepper Mottle Virus, Pepper Psyllids, Potato Leafroll Virus, Potato Virus Y, Tobacco Powdery Mildew, Rust, Thrips, Watermelon Mosaic Vi- rus 2, Whitefly, Zucchini Yellow Mosaic Virus		
<b>TOMATOES</b>	Alternaria Leafspot, Aphids, Army Worm*, Beetle Larvae, Cucumber Mosaic Vi- rus*, Fruit Worm*, Gummy Stem Blight, Horn Worm*, Leafhopper, Leafminers, Lygus Bug*, Mites, Papaya Ringspot Virus*, Pepper Mottle Virus*, Potato Leafroll Virus*, Potato Virus Y*, Powdery Mildew, Rust, Stink Bug*, Thrips, Tobacco Etch Virus*, Watermelon Mosaic Vi- rus 2*, Tomato Pin Worm*, Tomato Psyllid*, Whitefly, Zucchini Yellow Mosaic Virus*	Use 0.75-1.5 gals. of PSG per 100 gals. of water at 20-150 gals. of water per acre.	When using PureSpray GREEN to control insect-transmitted diseases, use higher pressure (minimum 100 psi) and ceramic hollow cone noz- zles, and spray once or twice weekly depending on the rapid growth of the crop

<b>NON-BEARING FRUIT TREES</b>			
<b>PLANT</b>	<b>PESTS</b>	<b>APPLICATION RATE of PureSpray GREEN (PSG)</b>	<b>COMMENTS</b>
<b>APPLE*, CHERRY*, PEACH*, PEAR*</b>	Mites	<b>Dilute Spray:</b> Use 1- 2 gals. of PSG per 100 gals. of water.	Apply every 10-14 days.
	Powdery Mildew	<b>Dilute Spray:</b> Use 1- 2 gals. of PSG per 100 gals. of water.	Spray before disease first appears. Apply every 10-14 days.

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COMMERCIAL TREES			
PLANT	PESTS	APPLICATION RATE of PureSpray GREEN (PSG)	COMMENTS
<b>CHRISTMAS TREES **</b>	Adelgids, Aphids, Scale (soft & hard) (immature), Spider Mites	<b>Dilute Spray:</b> Use 1.5-2.5 gals. of PSG per 100 gals. of water.	<b>WINTER DORMANT</b> Use 1.5 gals of oil per 100 gals. on sensitive plants such as Cryptomeria, Smoke Tree, Chamaecypris, Juniper, Japanese Holly and Spruce. Tendency toward sensitivity: Red Cedar and Douglas Fir
		<b>Dilute Spray:</b> Use 0.5-1.5 gals. of PSG per 100 gals. of water.	<b>FOLIAR</b> Use 0.5 gals of oil per 100 gals. 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			
PLANT	PESTS	APPLICATION RATE of PureSpray GREEN (PSG)	COMMENTS
<b>FLOWERING AND FOLIAGE PLANTS INCLUDING ROSES AND OTHER FLOWERING SHRUBS</b>	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 gals. of PSG per 100 gals. of water in 100-250 gals. of water per acre.	<b>DORMANT</b> Do not spray during flowering.
		Use 0.75-2 gals. of PSG per 100 gals. of water at 100-250 gals. of water per acre.	<b>FOLIAR</b> For blackspot and powdery mildew control during the summer do not exceed 1.5 gals. of oil per 100 gals. of water.  Do not spray during flowering.
<b>FOLIAGE ORNAMENTALS &amp; BEDDING PLANTS</b>	Adelgids Aphids,	Use 2-3 gals. of PSG per 100 gals. of water in 50-150 gals. of water per acre.	<b>DORMANT</b>
		Use 0.75-2 gals. of PSG per 100 gals. of water in 50-150 gals. of water per acre.	<b>FOLIAR</b> 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.

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ORNAMENTALS			
PLANT	PESTS	APPLICATION RATE of PureSpray GREEN (PSG)	COMMENTS
<b>SHADE TREES**, OR-NAMENTAL TREES**, SHRUBS</b>  <b>(INCLUDING CONIFERS, DECIDUOUS AND BROADLEAF EVERGREENS &amp; WOODY ORNAMENTALS)</b>	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 Mites, Sawfly (larvae), Scales (immature), Spider Mites, Webworms, Whiteflies, Young larvae/Caterpillars	Use 2-3 gals. of PSG per 100 gals. of water at 100-500 gals. of water per acre.	<b>DORMANT</b> 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 gals. oil per 100 gals. water and limit use only to: American Red Oak, Japanese Black Pine, Dogwood, Weeping Cherry, Cornelian Cherry, Crabapple, Norway Maple, Purple Plum. <b>NOTE:</b> 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.  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  Do not spray during flowering.
		Use 0.75-2 gals. of PSG per 100 gals. of water in 100-500 gals. of water per acre.	<b>FOLIAR Blackspot and Powdery Mildew:</b> During the summer do not exceed 2 gals. of oil per 100 gals. 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.  <b>NOTE:</b> 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.  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  Do not spray during flowering.

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

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## 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, a small greenhouse where the sunlight is magnified causing a fast build-up of temperature and light intensity.

GREENHOUSES AND CONTAINERS AND INTERIORSCAPES			
PLANT	PESTS	APPLICATION RATE of PureSpray GREEN (PSG)	COMMENTS
<b>AGERATUM,                      CROWN OF THORNS,                      DIEFFENBACHIA,                      FERNs,                      FICUS,                      LISIANTHUS,                      ORCHID,                      PALMS,                      PETUNIA,                      POINSETTIA,                      SCHEFFLERA,                      SUNFLOWER</b>	Aphids, Fungus Gnats, Leafminers, Mealybugs, Scales (soft & hard), Spider Mites, Thrips, Whitefly	Use 0.5-1 gals. of PSG per 100 gals. of water in 100-200 gals. of water per acre.	<b>FOLIAR</b> 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.
<b>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,</b>	Aphids, Fungus Gnats, Leafminers, Mealybugs, Powdery Mildew* Scales (soft & hard), Spider Mites, Thrips, Whitefly	Use 1-2 gals. of PSG per 100 gals. of water in 100-200 gals. of water per acre.	<b>FOLIAR</b> 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.

\*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 of pest not approved in California.]*

<b>GREENHOUSES AND CONTAINERS AND INTERIORSCAPES</b>			
<b>PLANT</b>	<b>PESTS</b>	<b>APPLICATION RATE of PureSpray GREEN (PSG)</b>	<b>COMMENTS</b>
<b>NICOTONIA, PHILODEN- DRON, PORTULACA, REIGER BEGON- IAS, SNAPDRAGON, ZINNIAS</b>			
<b>LEAF POLISH FOR HARDY PLANTS</b>		Use 1 gal. of PSG per 100 gals. of water.	<b>FOLIAR</b> Wipe upper and lower sides of leaf until fully covered.

\*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 of pest not approved in California.]*



## 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 Intelligro, a Suncor Energy business, the manufacturer or seller. All such risks shall be assumed by the buyer.

To the extent permitted by applicable law neither Intelligro, a Suncor Energy business, 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, Intelligro, a Suncor Energy business, 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 Intelligro, a Suncor Energy business's, the manufacturer's or seller's total liability, shall be for damages not exceeding the cost of the product.

**[Batch/Lot Number:] \_\_\_\_\_ [Note to reviewer: Statement may appear on immediate container.]**

**Outer Container Label**

**PureSpray™ GREEN**

<b>ACTIVE INGREDIENT:</b>	<b>By Weight</b>
Mineral Oil† .....	<b>98.00%</b>
<b>INERT INGREDIENTS:</b> .....	<b>2.00%</b>
<b>TOTAL:</b> .....	<b>100.00%</b>
Unsulfonated Residue of mineral oil	99.00%(minimum)
Aromatic Composition by ASTM D2140 .....	0.00%

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

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

**See booklet labels affixed to the product's immediate container for additional precautionary statements and full directions for use**

**EPA REG. NO. 69526-9**  
**EPA EST. NO. \_\_\_\_\_**

**Made in Canada (may contain imported parts) for**  
**INTELLIGRO, A SUNCOR ENERGY BUSINESS**  
**2310 LAKESHORE ROAD W., MISSISSAUGA, ONTARIO, CANADA L5J 1K2**  
™Trademark of Suncor Energy Inc. Used under license.

**Net Contents:** \_\_\_\_\_

<b>FIRST AID</b>	
<b>If Swallowed:</b>	<ul style="list-style-type: none"><li>• Immediately call a poison control center or doctor.</li><li>• Do not induce vomiting unless told to by a poison control center or doctor.</li><li>• Do not give any liquid to the person.</li><li>• Do not give anything by mouth to an unconscious person.</li></ul>
<b>If on Skin or Clothing:</b>	<ul style="list-style-type: none"><li>• Take off contaminated clothing.</li><li>• Rinse skin immediately with plenty of water for 15-20 minutes</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
<b>If in Eyes:</b>	<ul style="list-style-type: none"><li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li><li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
<b>If Inhaled:</b>	<ul style="list-style-type: none"><li>• Move person to fresh air.</li><li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.</li><li>• Call a poison control center or doctor for further treatment advice.</li></ul>
Have the product container or label with you when calling a poison control center or doctor or going for treatment. <b>FOR A MEDICAL EMERGENCY INVOLVING THIS PRODUCT CALL:</b> <b>INTELLIGRO, A SUNCOR ENERGY BUSINESS 403-296-3000,</b> <b>CANUTEC TRANSPORTATION: 613-996-6666 OR A POISON CONTROL CENTER AT 1-800-222-1222.</b>	
<b>NOTE TO PHYSICIAN:</b> Petroleum distillate poses aspiration pneumonia hazard. Only minor irritation should be expected from any type of exposure other than pulmonary aspiration. Ingestion may result in some gastroenteritis and mild diarrhea. Since systemic toxicity is not expected, the added risks of aspiration from attempts to induce vomiting or lavage are deemed not warranted.	

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION

Harmful if swallowed. Harmful if absorbed through skin. Avoid contact with eyes, skin or clothing. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals.

#### PERSONAL PROTECTIVE EQUIPMENT (PPE):

##### Mixers, loaders, applicators, flaggers, and other handlers must wear:

- Long sleeved shirt and long pants
- Chemical-resistant gloves made of Barrier Laminate, Nitrile rubber  $\geq 14$  mils, Neoprene Rubber  $\geq 14$  mils or Viton  $\geq 14$  mils
- Shoes plus socks

See **Engineering Controls Statements** for additional requirements.

**User Safety Requirements:** Follow manufacturer's instructions for cleaning and maintaining PPE. If there are no such instructions for washables, 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 re-use them.

**Engineering Controls Statements:** 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

Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment wash waters or rinsate. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas.

## 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:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

### **CONTAINER DISPOSAL:**

#### **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  $\frac{1}{4}$  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. If recycling is unavailable, puncture and dispose of container in sanitary landfill, or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

#### **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  $\frac{1}{4}$  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:** If recycling is unavailable, puncture and dispose of container in sanitary landfill, or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke. **For Metal containers greater than 5 gallons:** If recycling is unavailable, puncture and dispose of container 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.

**[Optional Marketing Claims – may appear on any panel]**

- ~~ORGANIC~~-HORTICULTURAL SPRAY OIL FOR LISTED INSECT, MITE AND DISEASE CONTROL
- HORTICULTURAL SPRAY OIL FOR LISTED INSECT, MITE, AND DISEASE CONTROL FOR ~~ORGANIC~~ ~~AND~~ SENSITIVE CROPS
- HORTICULTURAL SPRAY OIL FOR LISTED INSECT AND PEST MANAGEMENT
- A HORTICULTURAL SPRAY OIL FOR LISTED INSECT, MITE AND DISEASE CONTROL

**[OMRI Logo]**



**[Organic Claim/ Symbol]**



**[Product Brand Logo]**



**[COMPANY LOGO]**

