

# GOLDEN PEST SPRAY OIL™



Stoller

**FOR FRUITS, NUTS, EVERGREENS AND WOODY SHRUBS.  
CONTROLS MITES, SOOTY MOLD, SCALE, WHITEFLY, AND MEALYBUG.**

## **Sublabel A for AGRICULTURAL/ COMMERCIAL USE**

### **ACTIVE INGREDIENTS:**

Soybean Oil (food grade).....93%

**OTHER INGREDIENTS:**.....7%

**TOTAL** .....100.00%

## **KEEP OUT OF REACH OF CHILDREN CAUTION**

SEE ADDITIONAL PRECAUTIONARY STATEMENTS  
INSIDE BOOKLET.

**NET WEIGHT: 7.7 lbs/gal or 0.92 kg/L**

**EPA Reg. No. 57538-11**

EPA Est. No.: 57538-FL-1, 57538-TX-2,  
57538-IA-1

## **PRECAUTIONARY STATEMENTS**

### **Hazards to Humans and Domestic Animals**

**CAUTION:** Harmful if swallowed, inhaled, or absorbed through skin. Causes moderate eye irritation. Avoid breathing spray mist. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling. Remove and wash contaminated clothing before reuse. Wear the appropriate Personal Protective Equipment (PPE).

### **Personal Protective Equipment (PPE)**

Applicators and other handlers must wear:

- long-sleeved shirt and long pants,
- waterproof gloves, and
- shoes plus socks.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

### **ENGINEERING CONTROL STATEMENTS**

When handlers use closed systems, enclosed cabs or aircraft in a manner that meets the 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/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.

<b>FIRST AID</b>	
<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 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 SWALLOWED:</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</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>
<b>HOTLINE NUMBER</b>	
<p>Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For medical emergencies, call the poison control center at 1-800-222-1222. For general information on this pesticide product (including health concerns, medical emergencies, or pesticide incidents), call the National Pesticides Information Center (NPIC) at 1-800-858-7378, Monday through Friday, 8 am to 12 PM ST, or at <a href="http://npic.orst.edu">http://npic.orst.edu</a>.</p>	
<b>FOR CHEMICAL EMERGENCY: Spill, leak, fire, exposure or accident, call CHEMTREC 1-800-424-9300.</b>	

## **ENVIRONMENTAL HAZARDS**

**For terrestrial uses:** Do not apply directly to water, 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 washwater or rinsate.

## **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. For any requirements specific to your state or tribe, consult the state or tribal agency responsible for pesticide regulation.

## **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), restricted entry interval, and notification to workers. 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 unless wearing appropriate PPE.

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: long-sleeved shirt and long pants, waterproof gloves, and shoes plus socks.

### **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 (WPS) 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 without appropriate protective clothing until sprays have dried.

### **MIXING DIRECTIONS**

1. Consult application rate tables to determine appropriate amounts of Golden Pest Spray Oil and water to mix.
2. Shake well before using.
3. Add sufficient water to the mixing tank to allow proper agitation.
4. Add oil under agitation when 3/4 full topping off with water to form milky solution.
5. For best results, maintain agitation until solution is used.
6. In small equipment lacking agitation, stir or shake diluted spray frequently during application.

### **APPLICATION INSTRUCTIONS**

Completely cover the target pest with spray. Oil residue on the plant surface often acts as a feeding and ovipositioning deterrent. However, the primary target is the pest itself as oil is contact pesticide. Spray only when the temperature is above 40°F and there is no danger of freezing.

### **TIMING THE TREATMENT**

See table on this label for general use. Consult your State Agricultural Experiment Station or State Extension Service Specialist to determine timing

of application to fit local growing and climatic conditions. Do not exceed maximum rates or apply later than label instructions.

One application of Golden Pest Spray Oil can be applied to deciduous shrubs and trees in the dormant season to control scales and mites.

### **TANK MIXING**

Golden Pest Spray Oil is permitted to be tank mixed with other pesticides. Use the resulting tank mix in accordance with the more restrictive label limitations and precautions. Do not exceed dosage rates. Before tank mixing with other labeled products, check for tank mix compatibility. A jar test prior to tank mixing this product with other pesticides or liquid fertilizer will ensure compatibility. Use a clear glass quart jar with lid and mix the tank mix ingredients in their relative proportions. Invert the jar containing the mixture several times and observe the mixture for approximately 1/2 hour. If components of the mixture separate readily, a compatibility agent will be helpful in maintaining the stability of the spray mixture. If the mixture balls-up, forms flakes, sludge, jells, oily films or layers or other precipitates, the components of the mixture are not compatible.

### **GENERAL INSTRUCTIONS FOR APPLICATION TO ALMONDS, APPLES, APRICOTS, CHERRIES, FIGS, OLIVES, PEACHES, NECTARINES, PEARS AND PRUNES**

Completely cover all tree parts to achieve adequate control. Oil alone will control low to moderate infestations. Combine oil with other compatible insecticides for controlling higher scale infestations. If oil is combined with another insecticide, use the lowest rate of oil state for a selected application. Consult the local pest

management guidelines for more details as to the rates and times of application for your specific location.

#### **CITRUS**

Oil applied after October 1 has the potential to increase cold damage to trees. Observe all cautions and limitations on labels of all products used in mixtures. Check mixture for chemical and physical compatibility. Do not use Golden Pest Spray Oil in combination with or immediately preceding the application of captan or carbaryl.

#### **SHADE TREE AND ORNAMENTAL PLANT RESTRICTIONS**

Oil has the potential to remove the glaucous (blue) bloom from such evergreens as Colorado blue spruce and Koster spruce. Do not spray on walnut foliage. Use lower dosage on oil sensitive plants such as Chamaecyparis, Cryptomeria, Japanese Holly, Juniper, Spruce and Smoke Tree. Red Cedar and Douglas Fir have a tendency toward sensitivity.

#### **GREENHOUSE AND SHADEHOUSE**

Although no problems with phytotoxicity have been seen at provided rate, the applicator is to conduct a phytotoxicity test on 1 or 2 of the specific plants to be treated. Determine application safety during the bloom period for each individual species of plant by conducting a small test.

#### **USE PRECAUTIONS**

Keep oil container tightly closed in storage to prevent entry of water. Spray only when temperature is above 40°F and there is no danger of freezing. Avoid spraying when temperatures are excessively high and avoid spraying when

plants are suffering from lack of moisture. Sensitive foliage is susceptible to injury.

#### **GYSPY MOTH AND SPOTTED LANTERNFLY EGG MASS GUIDANCE:**

Use Golden Pest Spray Oil for application to gypsy moth or spotted lanternfly egg masses to prevent hatch of eggs. Mix equal amounts of Golden Pest Spray Oil and water and apply to egg masses as a 50% mix. Make a new mix each day treatments are made. Treat egg masses that have been deposited on trees, ground litter, outdoor household articles, recreational vehicles, firewood, nursery stock, rocks, ships, boats and other forms of transportation, or on other articles moved in interstate commerce.

With use of a small hand sprayer, treat individual egg masses until they are completely saturated with the spray solution. Keep the mix agitated while treating. Do not apply with mist blower or aircraft. It is important that the egg mass is saturated with spray. Following treatment, leave the egg masses in place or remove and incinerate.

**Dilute Applications** is defined as the number of gallons needed to completely cover all the tree surfaces, but not to the point of runoff. For most tree fruits, this can be as much as 300-400 gallons per acre or as low as 100 gallons per acre for smaller trees. For mature citrus trees, this can be as much as 800-1500 gallons per acre.

**Low Volume Applications** will require the same amount of oil per acre as dilute sprays but applied with much less water (10 to 80 gallons per acre). Base spray oil calculations on no run-off of the oil phase of the mixture. of the oil phase of the mixture.

### APPLICATION RATES

<b>Crops</b>	<b>Insects Controlled</b>	<b>Dilute Spray (Gals. Oil Per 100 Gals. Water)</b>	<b>Low Volume Application (Gals. Oil Per Acre)</b>	<b>Time of Application &amp; Comments</b>
<b>Alfalfa (seed crop only)</b>	Spider mites	1	2	Apply when insects first appear. Repeat weekly for additional control.
<b>Almonds</b>	Spider mites, aphid eggs, scales	1	2 to 4	Dormant*
<b>Apples</b>	Apple red bug, European fruit Lecanium scale	2	4 to 6	Dormant
	European red mite	2	4 to 6	Green tip to delayed dormant 1/2" green
	San Jose scale	2	4 to 6	Delayed dormant 1/2" green**
	Fruit tree leaf roller	3	4 to 6	Dormant
	Scurfy scale	3	4 to 6	Delayed dormant to 1/2" green
<b>Apricots</b>	European fruit Lecanium scale	2	4 to 6	Dormant to delayed dormant 1/2" green
<b>Blueberries</b>	Scales	3	3	Dormant
	Mites	2	2	Apply when insects first appear. Repeat weekly for additional control.
<b>Caneberries</b>	Mites	1 to 3 (1 to 3%)	2 to 15	Apply as needed for control. Use sufficient spray volume to achieve thorough coverage. Use higher rates when plant canopies are widespread and heavy and mite infestation severe.
<b>Cherries (sweet &amp; tart)</b>	San Jose scale	2	4 to 6	Dormant

(continued)

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<b>Citrus</b>	Texas citrus mite, citrus rust mite, citrus red mite, loosening sooty mold	1	6 to 15 Apply in sufficient water and manner to assure thorough distribution.	Use Golden Pest Spray Oil for application to citrus at post bloom, summer or fall spray application. Do not apply when trees are in or near wilting.
<b>Corn (field &amp; sweet)</b>	Fall army worms, root worms, ear worms	2	2	Apply when insects first appear. Repeat weekly for additional control.
<b>Cotton</b>	Aphids, whitefly, spider mites	1 to 2	2	Apply when insects first appear. Repeat weekly as needed.
<b>Figs</b>	Scale (severe)	2	4 to 6	Dormant/delayed dormant
<b>Grapes</b>	Mealy bugs	1	2	Dormant
<b>Nectarines</b>	San Jose scale	2	4 to 6	Dormant
<b>Olives</b>	Scales	1	2	Pre-bloom or post-bloom to buckshot
<b>Peaches</b>	Cottony peach scale	2	4 to 6	Dormant
<b>Pears</b>	Fruit tree leaf roller, pear leaf blister mite	3	4 to 6	Dormant
<b>Pecans</b>	Obscure scale	3	6 to 8	Dormant
<b>Prunes</b>	European fruit Lecanium scale	2	4 to 6	Dormant to delayed dormant 1/2" green
<b>Strawberries</b>	Powdery mildew	1/2 to 1 (0.5% to 1%)	Not Applicable	Apply at first sign of disease. Use sufficient spray volume to achieve thorough coverage.

**For delay of fruit tree bloom**, spray 5 gallons in 100 gallons of water per acre in late spring before bud break as a concentrate spray. Repeat after 7 days if frost danger to bloom persists.

\*Dormant season: After leaf fall and before bud break in the spring.

\*\*Delayed dormant season: After bud break with some green leaf showing.

<b>Crops or Plants</b>	<b>Insects Controlled</b>	<b>Application Rate</b>	<b>Time of Application &amp; Comments</b>
<b>Flower and foliage plants including azalea, begonia, bulbs, camellia, carnation, chrysanthemum, gardenia, geranium, hibiscus, impatiens, English ivy, marigold, pansy peony, philodendron, rose, and others</b>	Aphids, certain caterpillars, mealybugs, scales (immature), spider mites, whiteflies (immature)	Low volume: 2 gal/acre	Apply once a week when insects first appear. Decrease the frequency as the pest is controlled.
<b>Greenhouse and shadehouse crops such as azalea, camellias, gardenias, other nursery ornamental plants, leaf polish for hardy houseplants</b>	Aphids, fungus gnats, lace bugs, leafminers, mealybugs, scale insects, spider mites, whiteflies, whitefly larvae	Dilute: 1 to 2 gals. per 100 gals. water	Apply once a week when insects first appear. Decrease the frequency as the pest is controlled. Use the lower rate as a leaf polish.
<b>Shade trees and shrubs including conifers; deciduous broadleaf evergreens &amp; woody ornamentals</b>	Aphids, adelgids, certain caterpillars, gall mites, lace bugs, leaf beetle larvae, mealybugs	Dilute: 2 to 3 gals. per 100 gals. water	Apply once a week when insects first appear. Decrease the frequency as the pest is controlled.
<b>Vegetables such as asparagus, beans, beets, cabbage, cauliflower, celery, corn, cucurbits, eggplant, lettuce, melon, peas, potatoes, peppers, squash, tomatoes</b>	Aphids, mites, beetle larvae, leafminers, certain caterpillars, psyllids, whiteflies, leafrollers, armored scale, soft scale, mealybugs, webworms, cankerworms, plant bugs, leafhoppers, thrips	Low volume: 2 gals. per acre	Apply once a week when insects first appear. Decrease the frequency as the pest is controlled.

## STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited.

**Pesticide Storage:** Keep containers tightly closed when not in use. Do not store in direct sunlight. Absorb spills with dry absorbent and dispose of as directed below.

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

### **Container Handling:**

**Non-refillable containers.** Do not reuse or refill this container. Clean container promptly after emptying.

### **Non-refillable container equal to or less than 5 gallons.**

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. Then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

### **Non-refillable container greater than 5 gallons.**

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. Then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

## WARRANTY STATEMENT

To the fullest extent permitted by law, Stoller Enterprises, Inc. warrants that the product conforms to the description on the label and is reasonably fit for the purposes set forth on the label, when used according to directions under normal use conditions. Neither this warranty nor any other warranty of merchantability or fitness for a particular purpose, expressed or implied, extends to the use of this product contrary to the label instructions; the buyer assumes the risk of any such uses.

Manufactured by:

### **STOLLER ENTERPRISES, INC.**

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