

# DIAMOND R BRAND 435 SOLUBLE OIL

## *Diamond R Fertilizer Co., Inc.*

4100 Glades Road, Ft. Pierce, Florida 34981

### Specimen Label

**Important:** Read and Follow Label Directions Prior to Using any Agricultural Chemical

EPA Reg. No. 35276-1

EPA Est. No. 35276-FL-02

<b>ACTIVE INGREDIENT:</b>	
Petroleum Oil	99%
INERT INGREDIENTS	1%
TOTAL	100%
Unulfonated residue of Petroleum Distillate (minimum)	92%

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

**FIRST AID**

**IF SWALLOWED:**

Do not induce vomiting. Call a physician immediately.

**IF INHALED:**

Remove victim to fresh air. Apply artificial respiration if necessary.

Get medical attention if symptoms persist.

**IF ON SKIN:**

Wash with soap and water. Get medical attention if irritation persists.

**IF IN EYES:**

Flush with plenty of water. Get medical attention if irritation persists.

See additional Precautionary Statements Elsewhere on Label.

**PRECAUTIONARY STATEMENTS****Hazardous to Humans and Domestic Animals****CAUTION**

May be harmful if swallowed. May be injurious to eyes and skin. Do not take internally. Do not get in eyes or on skin. Do not smoke while using. Flush contaminated eyes with plenty of water and get medical attention if irritation persists. Avoid breathing of spray mists or vapors. Avoid contamination of food or food stuffs.

**PERSONAL PROTECTIVE EQUIPMENT**

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for the category E on an EPA chemical resistance category selection chart.

Applicators and other handlers must wear:

1. Long-sleeved shirt and long pants
2. Chemical-resistant gloves, such as barrier laminate or nitrile rubber or neoprene rubber or viton
3. Shoes plus socks

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

**USER SAFETY RECOMMENDATIONS**

Users should:

1. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
2. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

**ENVIRONMENTAL HAZARDS**

This product is toxic to fish. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Keep out of lakes, ponds, or streams. Do not apply when weather conditions favor drift from treated areas. Do not contaminate water by cleaning of equipment or disposal of wastes. Apply this product only as specified on this label. Protective information may be obtained from your Cooperative Agricultural Extension Service.

**STORAGE AND DISPOSAL PROHIBITIONS:**

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

**STORAGE:** Store in a cool, dry locked area out of the reach of children. Keep oil container tightly closed in storage to prevent entry of water.

**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:** Do not reuse empty container.

**METAL:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by the state and local authorities.

**PLASTIC:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

### **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 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 and reentry 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 into 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:

1. Coveralls
2. Chemical-resistant gloves, such as barrier laminate or neoprene; rubber or nitrile rubber or viton
3. Shoes plus socks

### **CHEMIGATION PROHIBITION**

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

Consult the Florida Citrus Pest Management Guide or your State Agricultural Experiment Station State Extension Service Specialist for complete details on the spray program best suited to your local conditions.

### **APPLICATION INSTRUCTIONS**

NOTE: All rates are calculated for mature trees with normal foliage cover. Rates should be adjusted downward proportionally for smaller immature trees. All applications should be made in sufficient water to insure thorough coverage without significant runoff. Minimum GPA for concentrate sprays is 10 to 20 for aerial application and 10 gallons for concentrate ground application. Dilute sprays may be applied at a minimum of 60 GPA, and a maximum of 1000 gallons. When tank mixing 435 oil with other pesticides, check compatibility (jar-test) before mixing in application equipment. Follow all precautions and instructions on all pesticide labels being tank mixed.

<b>CITRUS RECOMMENDATIONS: (Florida)</b>		
<b>Grapefruit, Lemons, Limes, Oranges, Tangelos and Tangerines.</b>		
<b>PEST</b>	<b>RATE/ACRE</b>	<b>COMMENTS</b>
Citrus Rust Mite	10 gals.	Does not control citrus Snow Scale
Spider Mites	5 gals.	
Scale Insects	5 gals. + 6 pints Ethion 4EC	Summer spray only

-Black Soft -Glover -Chaff -Yellow -Purple -Red -Brown Soft		Observe all applicable precautions of Ethion label.  Do not apply to Navel oranges with Ethion.
Scale Insects -Black Soft -Glover -Chaff -Yellow -Purple -Red -Brown Soft	10 gals.	
Whitefly	5 gals.	
Greasy Spot (Grapefruit)	5 gals.	Tank mix with sufficient copper fungicide to provide 4 lbs. of (metallic) copper/acre.
Greasy Spot (all other varieties)	5 to 10 gals.	If disease pressure is severe, tank mix with 4 lbs. (metallic) copper/acre.  Do not exceed 5 gals. oil if copper is used.
Loosening sooty mold	5 to 10 gals.	Use higher rate when disease pressure is heavy.

Best results can be obtained when the oil 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. Do not apply when temperatures are above 95°F. Injury to certain varieties may occur if oil is mixed with copper pesticides, under periods of environmental stress, when the fruit is between 3/4 of an inch and 1 1/2 inches (golfball size) in diameter. Oil sprays 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, retard coloring

of fruit, and should not be applied within 60 days of anticipated harvest. Sensitive foliage may be injured.

Consult the Florida Citrus Pest Management Guide {SP-43} or your State Agricultural Experiment Station or your State Extension Service Specialist for complete details on the spraying program best suited to your locale.

#### **FRUIT AND SHADE TREE RECOMMENDATIONS:**

**APPLES, PEARS, PEACHES, CHERRIES, PLUMS, GRAPES:** Use 1/2 cup to one gallon of (1.5 gal./50 gal. of water) to control European Red mite eggs, certain aphids, and scale insects. Spray thoroughly, wetting insects on both sides of leaves.

**AVOCADO:** Avocado Red Mites - 3 quarts per 100 gallons of water. Florida Red Scale, Avocado Whitefly, and Pyriform Scale - 1 gallon per 100 gallons of water. Apply when infestations first appear.

**OAKS, ELM, WILLOWS, BASSWOOD (Linden):** Use at same strength as for fruit trees. Do not use on Maples, Mountain Ash (Sorbus), or Beech.

**PRECAUTIONS:** Do not spray within 30 days before or after using Sulfur or Captan. Do not apply when temperatures are above 95 °F. Do not apply oil when rain or snow is likely to follow quickly or when the temperature is below 40 degrees F., or is likely to drop to the freezing point before the spray has thoroughly dried. Use the proper amounts only as stated on this label and follow all cautions.

#### **ORNAMENTAL RECOMMENDATIONS**

**ORNAMENTAL PLANTS:** (Azaleas, Camellias, Gardenias, Holly, Ligustrum, Viburnum, Evergreens, and Hardy Shrubs): Scale Insects, Spider Mites and Whiteflies - 1 gallon per 100 gallons of water. Apply when infestations first appear, repeat as needed.

**AZALEAS AND CAMELLIAS:** Apply in spring after blooming and in fall prior to blooming, and at least 3 weeks before anticipated freeze. Spray for even and thorough coverage of plant parts.

**PRECAUTIONS:** Do not use more than 1 gallon per 100 gallons of spray, as injury may result under certain circumstances. Do not use oil sprays on foliage within 30 days before or after using Sulfur or Captan. Do not spray broadleaved evergreens when temperatures are near or below freezing. Dormant oil spray may cause discoloration of Blue Spruce. Do not repeat oil sprays in less than 30 days of first applications, nor use more than twice in twelve month period. Do not spray trees or plants weakened from any cause whatsoever such as lack of moisture, excess moisture, cold or freeze damage, recent root pruning or transplanting. Avoid spraying trees or plants when temperatures are excessively high or low. Keep guns or spray wand in motion while spraying. Do not overlap with additional spray onto foliage already dry.

#### **CONDITIONS OF SALE:**

DIAMOND R FERTILIZER WARRANTS THAT THIS PRODUCT CONFORMS TO THE CHEMICAL DESCRIPTION ON THE LABEL THEREOF AND IS REASONABLY FIT FOR THE PURPOSE STATED ON SUCH LABEL ONLY WHEN USED IN ACCORDANCE WITH THE DIRECTIONS FOR USE. 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 DIAMOND R FERTILIZER. IN NO CASE SHALL DIAMOND R FERTILIZER BE LIABLE FOR THE CONSEQUENTIAL SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT. ALL SUCH RISKS SHALL BE ASSUMED BY THE BUYER.

EXCEPT AS EXPRESSLY PROVIDED HEREIN, DIAMOND R FERTILIZER 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.

READ AND FOLLOW ALL DIRECTIONS CAREFULLY.

Manufactured by: Diamond R Fertilizer, 1-800-330-9300, 4100 Glades Road, Ft. Pierce, Florida 34981