435 SOLUBLE OIL

ACTIVE INGREDIENT:
Mineral Oil 99%
INERT INGREDIENTS 1%
TOTAL 100%

Unsulfonated residue of Petroleum Distillate (minimum) 92%
Contains Petroleum Distillates

DANGER

Harmful if swallowed. Causes serious eye irritation. May be fatal if swallowed and enters airways. Wash face, hands and any exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves / protective clothing / eye protection / face protection. Store locked up. Dispose of contents / container to an approved waste disposal plant.

FIRST AID

Specific Treatment (See Section 4 on the SDS).

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice / attention.

IF ON SKIN: Wash with plenty of soap and water. Wash contaminated clothing before reuse.

IF INHALED: Remvoe victim to fresh air and keep at rest in a position comfortable for breathing. Rinse mouth.

IF SWALLOWED: Immediately call a **POISON CENTER** or doctor / physician. Do **NOT** induce vomiting.

Unknown Acute Toxicity - 99% of the mixture consists of ingredient(s) of unknown toxicity.

See additional Precautionary Statements elsewhere on label.

EPA Reg. No. 35276-1 **EPA Est. No. 35276-FL-02**
[alternate Est. Nos. 35276-FL-01 and 35276-FL-05]

MANUFACTURED BY:
DIAMOND R FERTILIZER
4100 Glades Road, Ft. Pierce, Florida 34981

Net Contents: _____

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION. Harmful if absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Avoid breathing spray mist or vapors. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

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

Mixers, loaders, applicators, flaggers, and other handlers must wear:
1. Long-sleeved shirt and long pants;
2. Chemical-resistant gloves made of barrier laminate, nitrile rubber, neoprene rubber, or viton;
3. Shoes plus socks.

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

Discard clothing and other absorbent material that have been drenched or heavily contaminated with the product's concentrate. Do not reuse them.

See **ENGINEERING CONTROLS** for additional requirements.

USER SAFETY RECOMMENDATIONS

Users should:
1. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
2. Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
3. 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.

ENGINEERING CONTROLS

Pilots must use an enclosed cockpit that meets the requirements listed in the WPS for agricultural pesticides [40 CFR 170.240(d)(6)]

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 washwater 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 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 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 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 made of any waterproof material,
3. Shoes plus socks.

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box pertain to uses of this product that are NOT within the scope of the Worker Protection Standard for Agricultural Pesticides. 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.

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 Extension Service Specialist for complete details on the spray program best suited to your local conditions.

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, aerial, or airblast) can influence pesticide drift. The applicator 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.

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

GROUND APPLICATIONS

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

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

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

AIRBLAST APPLICATIONS

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.

AERIAL APPLICATIONS

Release Height: For aerial applications of agricultural products, do not release spray at a height greater than 10 feet above the ground, top of crops, or above the orchard canopy.

Boom Length: The boom length must not exceed 75% of the wingspan or 90% of the rotor blade diameter.

Swath Adjustment: When applications are made with a cross wind, the swath will be displaced downwind. The applicator must compensate for this displacement at the downwind edge of the application area by adjusting the path of the aircraft upwind. Leave at least one swath unsprayed at the downwind edge of the treated field.

Wind Speed: Do not apply at wind speeds greater than 15 mph at the site.

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

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.

CITRUS

Grapefruit, Lemons, Limes, Oranges, Tangelos, and Tangerines: Do not exceed a maximum of 159 pounds of active ingredient (in a maximum volume of 1500 gallons of spray mix) per acre when treating citrus in Florida and Texas. Do not exceed a maximum of 212 pounds of active ingredient (in a maximum volume of 2000 gallons of spray mix) per acre when treating citrus in California.

Spider mites and loosening sooty mold - use 2% volume/volume per acre. Scale insects, greasy spot, citrus rust mite - use 5-10 gallons per acre. Citrus leaf miner and white fly - use 5 gallons per acre. Apply in sufficient water to assure thorough coverage of leaves, twigs and fruit.

Improved efficacy 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. Use extreme caution when applying if temperatures are above 94°F. Injury to some 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 (golf ball 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 spraying program best suited to your locale.

FRUIT AND SHADE TREES AND GRAPES

Apples, Pears, Peaches, Cherries, Plums, and Grapes: Use 1/2 cup to one gallon of water (1.5 gal./50 gal. of water) to control European Red mite eggs, aphids, and scale insects. Spray thoroughly, wetting both sides of leaves.

Avocados: Avocado red mites - 3 quarts per 100 gallons of water. Florida red scale, avocado whitefly, pyriform scale - 1 gallon per 100 gallons of water. Apply when infestations first appear.

Oaks, Elms, Willows, and Basswood (Linden): Use 1/2 cup to one gallon of water (1.5 gal./50 gal. of water) to control aphids, eriophyid mites, gall mites, lace bugs, leaf beetle larvae, leafminers, leafrollers, mealybugs, psyllids (immature), sawfly (larvae), scales (immature), spider mites, webworms, and whiteflies. Do not use on Maple, Mountain Ash (Sorbus), or Beech trees.

Precautions: Do not spray within 30 days before or after using sulfur or captan. Do not apply when temperatures are above 94°F. Do not apply oil when rain or snow is likely to follow quickly or when the temperature is below 40°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 directions, restrictions, and precautions.

ORNAMENTALS

Gardenias, Holly, Ligustrum, Viburnum, Evergreens, and Hardy Shrubs: Scale insects, spider mites, and whiteflies. Use one gallon per 100 gallons of water. Apply when infestations first appear and repeat as needed.

Azaleas and Camellias: Scale insects, spider mites, and whiteflies. Use one gallon per 100 gallons of water. Apply in spring after blooming and in fall prior to blooming, and at least 3 weeks before the first anticipated freeze. Spray for even and thorough coverage of treated plant parts.

Precautions: Do not use more than 1 gallon per 100 gallons of spray, as injury may result under some 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 within 30 days of the first application. Do not use oil sprays on the same plants more than twice within a 12-month period. Do not spray trees or other plants weakened from any cause whatsoever, such as lack of moisture, excess moisture, cold or freezing damage, recent root pruning, or transplanting. Do not spray trees when temperatures are excessively high or low (above 94°F or below 40°F). Keep spray guns or wands in motion while spraying. Do not overlap with additional spray onto foliage that already has dried.

STORAGE AND DISPOSAL

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

PESTICIDE 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:

[Small nonrefillable containers - ≤ 5 gal.] Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into the application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 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 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.

[Large nonrefillable containers - > 5 gal.] Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 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.

[Refillable containers] Refillable container. Refill this container with Diamond R Brand 435 Soluble Oil only. Do not use this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing 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.

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 ASSUMED BY THE BUYER. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, EXCEPT AS EXPRESSLY PROVIDED HEREIN, DIAMOND R FERTILIZER MAKES NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND, EITHER EXPRESS OR IMPLIED, OR 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.