



**U.S. ENVIRONMENTAL PROTECTION AGENCY**  
**Office of Pesticide Programs**  
**Registration Division (7505P)**  
**Ariel Rios Building**  
**1200 Pennsylvania Ave., NW**  
**Washington, D.C. 20460**

EPA Reg. Number:

Date of Issuance:

1842-283

NOV 18 2010

**NOTICE OF PESTICIDE:**

Registration  
 Reregistration  
 (under FIFRA, as amended)

Term of Issuance: **Unconditional**

Name of Pesticide Product:

**TRIANGLE 435 SOLUBLE OIL**

Name and Address of Registrant (include ZIP Code):

James S. Damico, President  
 SciReg, Inc.  
 Agent for Triangle Chemical Company  
 12733 Director's Loop  
 Woodbridge, VA 22192

*5885903 5835749*  
*676/1275 676/1140*  
*5885902 5885901*  
*676/1130 616/1130*

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

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

Based on your response to the Reregistration Eligibility Decision, EPA has reregistered the product listed above. This action is taken under the authority of section 4(g)(2)(C) of the Federal Insecticide, Fungicide, and Rodenticide Act, as amended. Reregistration under this section does not eliminate the need for continual reassessment of pesticides. EPA may require submission of data at any time to maintain the registration of your product.

The basic Confidential Statement of Formula (CSF) dated "11/18/10, 2010, is accepted. The similarly dated CSFs for the alternative formulations coded "A", "B", "C", "D", "E", "F", and "G" also are accepted.

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, is accepted.

**See page 2 for Labeling Notes.**

Submit one (1) copy of the final printed label before you release the product for shipment. Products shipped after 12 months from the date of this Notice or the next printing of the label, whichever occurs first, must bear the new revised label. A stamped copy of the label is enclosed for your records. If you have any questions, contact Dr. William Jacobs at 703-305-6406 or [jacobs.bill@epa.gov](mailto:jacobs.bill@epa.gov).

Signature of Approving Official:

Venus Eagle, Product Manager 01  
 Insecticide-Rodenticide Branch  
 Registration Division (7505P)

Date:

NOV 18 2010

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**Labeling Notes for EPA Reg. No. 1842-283**

The comments below pertain to the label was submitted for this product on November 16, 2010, and received on the same date.

1. In the "**Azaleas and Camellias:**" paragraph under "**ORNAMENTALS**" (page 7), the first sentence may be broken into the two sentences shown below.

To control Scale Insects, Spider Mites, and Whiteflies, use one gallon of product 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.

2. In the "**STORAGE AND DISPOSAL**" box (page 8), the subheading "**STORAGE:**" should be changed to "**PESTICIDE STORAGE:**".
3. In the second sentence of the second paragraph under "**WARRANTY DISCLAIMER AND LIMITATION OF LIABILITY**" (page 9), "factory" should be changed to "factors".

TRIANGLE  
435 SOLUBLE OIL

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This product meets the specifications for Florida Citrus Spray Oil  
FC 435-66.

ACTIVE INGREDIENT:

Mineral Oil	99.0%
OTHER INGREDIENTS	1.0%
TOTAL	100.0%

Unulfonated residue of Petroleum Distillate, 92% Minimum  
Contains petroleum distillates

ACCEPTED

KEEP OUT OF REACH OF CHILDREN  
CAUTION

NOV 18 2010

Under the Federal Insecticide, Fungicide,  
and Rodenticide Act, as amended, for the  
pesticide registered under:

FIRST AID

EPA Reg. No: 1842-283

IF ON SKIN OR CLOTHING:

- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15-20 minutes.
- Call a poison control center or doctor for treatment advice.

IF IN EYES:

- Hold eye open and rinse slowly and gently with water for 15-20 minutes.
- Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.
- Call poison control center or doctor for treatment advice.

IF SWALLOWED:

- Call a poison control center or doctor immediately for treatment advice.
- Do not induce vomiting unless told to do so by a poison control center or doctor.
- Do not give any liquid to the person.
- Do not give anything by mouth to an unconscious person.

IF INHALED:

- Move person to fresh air.
- If person is not breathing, call 911 or an ambulance. Then give artificial respiration, preferably mouth-to-mouth, if possible.
- Call a poison control center or doctor for further treatment advice.

Have the product container with you when calling a poison control center or doctor or when going for treatment. You may also call 1-800-222-1222 for emergency medical treatment information.

NOTE TO PHYSICIAN

Contains petroleum distillates. Vomiting may cause aspiration pneumonia.

See additional Precautionary Statements elsewhere on label.

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Approved 11/16/10

EPA Reg. No. 1842-283

EPA Est. No. xxxxx

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Manufactured By:  
Triangle Chemical Company  
P.O. BOX 4528  
Macon, GA 31201

Net Contents:

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PRECAUTIONARY STATEMENTS  
Hazards To Humans And Domestic Animals

**CAUTION.** Harmful if absorbed through skin. Causes moderate eye irritation. Avoid contact with eyes, skin or clothing.

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. Shoes plus socks, and
3. Chemical-resistant gloves made of barrier laminate, nitrile rubber, neoprene, or viton.

See ENGINEERING CONTROLS for additional requirements.

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.

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.

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## 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 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:

1. Coveralls,
2. Chemical-resistant gloves made of any waterproof material,
3. 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, or in forests, nurseries, and greenhouses.

Do not enter or allow others to enter until sprays have dried.

### 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, and 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.

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**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-based Equipment Application:** Apply using a nozzle height of no more than 4 feet above the ground or crop canopy.

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

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

**Airblast Equipment Application:** 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 toward the canopy.

**Aerial Applications:** Apply as a medium or coarser spray (ASABE standard 572), and the minimum volume mean diameter (VMD) for spinning atomizer nozzles. Do not apply at wind speeds greater than 15 mph at the application site.

**Release Height:** Do not release spray at a height greater than 10 feet above the ground, above the tops 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 untreated swath at the downwind edge of the treated field.

**CHEMIGATION PROHIBITION**

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

**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 or a maximum of 212 pounds of active ingredient per acre (in a maximum of 2000 gallons of spray mix per acre) when treating citrus in California, based on thorough coverage spray, with 1.5 gallons of product per 100 gallons of water.

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<u>PEST</u>	<u>RATE/ACRE</u>	<u>COMMENTS</u>
Citrus Rust Mite	10 gals.	Does not control citrus Snow Scale
Spider Mites	5 gals.	
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/acre of metallic copper.
Greasy Spot (all other varieties)	5 to 10 gals.	If disease pressure is severe, tank-mix 4 lbs (metallic) copper/acre.  Do not exceed 5 gals. oil if copper used.
Loosening sooty mold	5 to 10 gals.	Use higher rate when disease pressure is heavy.

Improved efficacy can be obtained when the oil is added to 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. 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 and should not be applied within 60 days of anticipated harvest. Sensitive foliage may be injured. Do not use this product when temperatures are above 94°F.



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

#### **FRUIT AND SHADE TREES**

##### **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, green apple aphids, rosy apple aphids, black peach aphids, green peach aphids, black cherry aphids, grapevine aphids, San Jose scale, white peach scale, Terrapin scale, and European Fruit Lecanium. Spray thoroughly, wetting insects on both sides of leaves.

##### **Oaks, Elm, Willows, and Basswood (Linden):**

Use at same strength as for fruit trees. Do not use on Maple, Mountain Ash (*Sorbus*), or Beech trees.

##### **Precautions on Fruit and Shade Trees:**

Do not spray within 30 days before or after using sulfur or Captan. 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. Do not use this product when temperatures are above 94°F.

#### **ORNAMENTALS**

##### **Ornamental Plants (Gardenias, Holly, Ligustrum, Viburnum, Evergreens, and Hardy Shrubs):**

Scale Insects, Spider Mites, and Whiteflies - use one gallon of product per 100 gallons of water. Apply when infestations first appear, and repeat as needed.

##### **Azaleas and Camellias:**

To control Scale Insects, Spider Mites, and Whiteflies, use one gallon of product 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 to achieve even and thorough coverage of plant parts.

##### **Avocados:**

Avocado Red Mites - use 3 quarts of product per 100 gallons of water.

Florida Red Scales, Avocado Whitefly, and Pyriform Scales - use one gallon per 100 gallons of water. Apply when infestations first appear.

##### **Precautions for Ornamentals:**

Do not use more than one gallon per 100 gallons of spray as injury may possibly 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 within 30 days of the

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first application. Do not use spray oils more than twice within any 12-month period. Do not spray trees or plants weakened from any cause whatsoever such as lack of moisture, excess moisture, cold or freeze-damaged, recent root-pruning, or transplanting. Do not spray trees or plants when temperatures are above 94°F. Keep spray guns or spray wands in motion while spraying. Do not overlap sprayed foliage with additional spray.

#### STORAGE AND DISPOSAL

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:**

**[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 ¼ 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 ¼ 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 Triangle 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.

#### WARRANTY DISCLAIMER AND LIMITATION OF LIABILITY

Triangle Chemical Company ("Triangle") warrants that this Product conforms to the specifications on this label. To the extent consistent with applicable law Triangle makes no other warranties and disclaims all other warranties, express or implied, including but not limited to warranties of merchantability and fitness for a particular purpose. No agent of Triangle or any other person is authorized to make any representation or warranty beyond those contained herein.

It is impossible to eliminate all risks associated with this Product. Plant injury, lack of performance or other unintended consequences may result because of factory such as abnormal weather conditions, use of the Product other than in strict accordance with this label's instructions, presence of other materials, the manner of application or other factors, all of which are beyond the control of Triangle or the seller. To the extent consistent with applicable law, all such risks shall be assumed by the Buyer.

To the extent consistent with applicable law: 1) Triangle disclaims any liability whatsoever for special, incidental, or consequential damages resulting from the handling or use of this Product and 2) Triangle's liability under this label shall be limited to the amount of the purchase price or, at the election of Triangle, the free replacement of the Product.

READ AND FOLLOW ALL DIRECTIONS CAREFULLY