

19713-391

9/8/2010

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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: 19713-391
Date of Issuance: SEP 8 2010

NOTICE OF PESTICIDE:
_ Registration
 Reregistration
(under FIFRA, as amended)

Term of Issuance: Unconditional
Name of Pesticide Product: DREXEL 415 OIL 98.8

Name and Address of Registrant (include ZIP Code):
Drexel Chemical Company
P.O. Box 13327
Memphis, TN 38113-0327
ATTN: Luz Chan, Registration Manager

Handwritten:
S 881718
676/1275
S 879348
345/1155
S 835752
676/1140
S 881716
676/1135

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 Confidential Statement of Formula (CSF) dated "7/26/10" for the "Basic Formulation" is accepted. This CSF replaces all other CSFs previously accepted for this product.

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

See page 2 for required label changes.

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 William Jacobs at 703-305-6406 or jacobs.bill@epa.gov.

Signature of Approving Official:
Venus Eagle, Product Manager 01
Insecticide-Rodenticide Branch
Registration Division (7505P)

Date: SEP 8 2010

2016

Label Changes

The comments below indicate additional changes that must be made to the label coded "391SP-0810*Pending" that was submitted to and received by the Office of Pesticide Programs on August 17, 2010.

1. In the next-to-last sentence of the "**ENVIRONMENTAL HAZARDS:**" paragraph (page 1, right column), change "treatable" to "treated".
2. In the next-to-last sentence of the "**IMPORTANT:**" paragraph in the "**DIRECTIONS FOR USE**" (page 2, left column), change "residue" to "residues".
3. In item "2." in the "**MIXING DIRECTIONS:**" paragraph (page 2, left column), replace "other desired pesticides" with "other pesticides that are to be part of the mix." In item "6.", change "It is important for users to read and follow" to "Read and follow".
4. From the text pertaining to "**TANK MIXES**", delete the entire bulleted item that mentions "ethion and parathion". In the "**Note:**" text at the end of this subsection, change "and parathion are RESTRICTED USE PESTICIDES" to "is a RESTRICTED USE PESTICIDE." The tolerances relevant to this product's uses expired on 12/31/05 for Parathion and on 10/1/08 for Ethion.
5. In the first sentence of the second paragraph under "**USE RESTRICTIONS AND PRECAUTIONS:**" pertaining to "Citrus" (page 3, left column), change "(159 lbs. a.i.)" to "(159 lbs.)" and move it so that it comes between "22.3 gallons" and "of this product". In the same sentence, change "(212 lbs. a.i.)" to "(212 lbs.)" and move it so that it comes between "29.8 gallons" and "of this product". The gallons-to-pounds relationships indicated in this paragraph are more accurate for the formulated product than for the active ingredient, which does not comprise the entire formulated product.
6. In the third sentence of the first "**WARRANTY—CONDITIONS OF SALE**" paragraph (page 4, right column), replace "recommended" with "indicated".

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ACCEPTED
With COMMENTS
In EPA Letter Dated:
SEP 8 2010

Under the Federal Insecticide, Fungicide
and Rodenticide Act, As amended, for the
pesticide Registered under EPA Reg. No:

19713-391

Drexel

415 Oil 98.8

A Superior Horticultural Spray oil for Inset and Mite Pest Management

ACTIVE INGREDIENT:

Mineral Oil* 98.8%

OTHER INGREDIENTS: 1.2%

TOTAL: 100.0%

* Unsulfonated Residue of Petroleum Distillate 92% Min.

* 50% Distillation Point of Petroleum Distillate 414°F

* Flash Point 345°F

Weight per Gallon 7.1 lbs.

Contains petroleum distillates

KEEP OUT OF REACH OF CHILDREN

CAUTION

See FIRST AID Below

EPA Reg. No. 19713-391

EPA Est. No. 19713-XX-XXX

Net Content: _____

FIRST AID

IF ON SKIN OR CLOTHING:

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

IF SWALLOWED:

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

IF IN EYES:

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

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 or label with you when calling a poison control center or doctor, or going for treatment. For information on this pesticide product (including health concerns, medical emergencies or pesticide incidents), call the National Pesticide Information Center at 1-800-858-7378.

Note to Physician: Contains petroleum distillate. Petroleum distillate may pose an aspiration pneumonia hazard.

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

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

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are made of barrier laminate, nitrile rubber, neoprene rubber, and viton. 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: Long-sleeved shirt and long pants, chemical-resistant gloves and shoes plus socks.

See engineering controls for additional requirements.

Follow manufacturer's instructions for cleaning/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 materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

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)].

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.

ENVIRONMENTAL HAZARDS

Do not apply directly to water or to areas where surface water is present to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters or rinsate. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treatable areas. Apply this product only as specified on this label.

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.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, (WPS) 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 (REI). *(Continued)*



Manufactured By:
Drexel Chemical Company
P.O. BOX 13327, MEMPHIS, TN 38113-0327
SINCE 1972

Rec'd 8/7/10

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AGRICULTURAL USE REQUIREMENTS

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 REI of 4 hours. PPE required for early entry to treated areas that is permitted under the WPS and that involves contact with anything that has been treated such as plants, soil, or water is: Coveralls, chemical-resistant gloves made of any waterproof material, 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 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 spray have dried.

IMPORTANT: Keep oil container tightly closed in storage to prevent entry of water. Roll drum before use. All horticultural oils interfere with or slow plant transpiration and respiration during the period of evaporation. Phytotoxicity may result if sprayed on plants during periods of prolonged high temperature and high relative humidity. Do not spray plants under moisture stress. Do not use in combination with or immediately before or after spraying with fungicides such as captan, folpet, dyrene, karathane, morestan or any other product containing sulfur. If possible, either keep the spray equipment used for these compounds separate from the equipment used for oil, or make sure that the sprayer is thoroughly cleaned so that no residue from these compounds remain. Do not use with carbaryl on deciduous fruit trees. Do not use with dimethoate.

MIXING DIRECTIONS

1. Add sufficient water to the mixing tank to allow proper agitation by pump or paddles.
2. Add other desired pesticides. If wettable powder formulation, mix the water and powder thoroughly so that the powder is totally suspended in the water before the oil is added. If the other pesticide to be added is an emulsifiable formulation, do so after the oil and water have been thoroughly mixed.
3. Add oil under agitation when three-fourths full, topping off with water to form a milky solution.
4. Maintain agitation until solution is used.
5. In small equipment lacking agitators, stir or shake diluted spray frequently during application.
6. It is important for users to read and follow all directions and restrictions on the labels of the proposed tank-mix products.
7. Flush fluid in sprayer hose lines back into tank reservoir if fluid is allowed to stand for more than 20 minutes.

TANK MIXES

This product may be used:

- As a carrier for *Bacillus thuringiensis* when applied through a mist blower or cold fog machine.
- With ethion and parathion* to obtain two modes of insecticidal action.
- With permethrin on cotton only.
- In a tank mix with chlorpyrifos on apples, pears, plums, prunes, peaches, sweet corn and field corn.
- In a tank mix with methidathion* on apples, pears, plums, prunes, pecans, peaches, ornamentals including shade trees and shrubs, citrus (oranges, grapefruit, lemons).
- As a spreader or carrier for certain synthetic organic insecticides applied for pest control in/on habitable buildings.

All tank mixes and tank-mix applications must be consistent with the labels for this product and the other pesticide(s) included in the mix.

Do not apply this product or mixes made from it via chemigation.

* Note: Methidathion and parathion are RESTRICTED USE PESTICIDES.

METHODS OF APPLICATION

Dilute Applications: Apply specified rate of this product in 100 to 800 gallons of water per acre. Higher spray volumes may be used only for applications to Citrus. See specific directions for applications to Citrus.

Concentrate Applications: Apply specified rate of this product in 50 to 150 gallons of water per acre.

Aerial Applications: Apply specified rate of this product in 10 to 20 gallons of water per acre.

SPRAY DRIFT MANAGEMENT

For All Spray Applications:

A variety of factors, including weather conditions (e.g., wind direction, wind speed, temperature, relative humidity) and method of application (e.g., ground, aerial, 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.

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

Applications Using Ground-Spray Equipment:

RELEASE HEIGHT: Apply using a nozzle height of no more than 4 feet above the ground or crop 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 Spray 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 crosswind, 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 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.

PESTS CONTROLLED

This product can control mite and insect pests in the egg stage, including: spider mites, eriophyid mites, armored scales, soft scales, mealybugs, psyllids, whiteflies, aphids, leafrollers, leaf-tiers, webworms, cankerworms, plant bugs, leafhoppers, and adelgids. This product also will kill other immature forms if the spray covers the insect. The targeted pest must be completely covered with spray. Oil residue on the surface of treated plants often acts as a feeding deterrent. However, the primary target of application is the pest itself.

TIMING THE TREATMENT

You must determine the precise timing to fit local growth and climatic conditions.

DO NOT EXCEED MAXIMUM RATES OR APPLY MORE OFTEN THAN SPECIFIED ON THIS LABEL.

Crop	Pest	Dilution Rate (% or Gal. of This Product per 100 Gals. of Water)	Time of Application (Stage of Development)
Almonds	Aphid eggs	1	Summer
	scales		
	Spider mites	1 to 1.5	Dormant
Apples	Apple red bug	2	Dormant
	European fruit lecanium scale	2	Dormant
(Continued)	Fruit tree leafroller	3	Dormant

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Crop	Pest	Dilution Rate (% or Gal. of This Product per 100 Gals. of Water)	Time of Application (Stage of Development)
Apples (Cont.)	European red mite	2	Green tip to Delayed dormant 1/2" Green
	San Jose scale	2	Delayed dormant 1/2" Green
	Scurfy scale	3	Delayed dormant 1/2" Green
Blueberries	Scales	3	Dormant
	Mites	2	Summer
Cherries (Sweet and Tart)	San Jose scale	2	Dormant
Figs	Scale (Severe)	3 gals./acre or 2 gals./100 gals. of water	Dormant/Delayed dormant
Grapes	Mealybugs	1 gal./acre	Dormant
Nectarines	San Jose scale	2	Dormant
Pears	Fruit tree leaf roller	3	Dormant
	Pear leaf blister mite	3	Dormant
	Pear psylla	2	Late dormant
Pecans	Obscure scale	3	Dormant
Peaches	Cottony peach scale	3	Dormant
Plums & Prunes	European red mite, European fruit lecanium scale	2	Dormant to Delayed dormant 1/2" Green
Sweet corn, Field corn	Earworms	2	Summer
	Fall armyworm	2	Spring-Early
	Corn rootworm		
Sugar beets	Mites leaf miner	2 gals./acre	As needed
Olives	Scales	1.5 gals./100 gals. of water	Prebloom or Postbloom to Buckshot

Crop	Pest	Dilute (Gal. of this Product per 100 Gals. of Water)	Concentrate* (Gal. of this Product per Acre)
Citrus	Citrus rust mite, Scale insects, Greasy spot disease	1.5	15
	Spider mites, Whitefly, Sooty mold (to loosen)	0.75	7.5

USE RESTRICTIONS AND PRECAUTIONS: Oils applied after October may increase cold damage to trees. Oils applied in August and September may affect solid contents and retard color. Do not apply more than 22.3 gallons of this product (159 lbs. a.i.) per acre (maximum 1,500 gallons of spray mix per acre) in Texas and Florida, and 29.8 gallons of this product (212 lbs. a.i.) per acre (maximum 2,000 gallons of spray mix per acre) in California (based on thorough coverage spray, with 1.5 gallons of product mixed in 100 gallons of water).

SHADE TREE AND ORNAMENTAL PLANT RESTRICTIONS

Oil removes the glaucous (blue) bloom from such evergreens as Colorado blue spruce and Koster spruce. Spray no more than four times during the growing season, with an interval of at least two weeks between applications. Do not spray to walnut foliage. Use lower dosage on oil sensitive plants such as Chamaecyparis, Cryptomeria, Japanese Holly, Red Cedar and Smoke Tree.

Crop	Pest	Dilution Rate (% or Gal. of This Product per 100 Gals. of Water)	Time of Application
Shade Trees & Shrubs	Aphids, Adelgids, Caterpillars, Gall mites, Lace bugs, Leaf beetle larvae, Mealybugs, Plant bugs (Immature), Psyllids (Immature), Sawfly larvae, Scales (Immature), Spider mites, Whiteflies (Immature)	2 to 3	Summer
		3	Dormant
Flower & Foliage Plants	Aphids, Caterpillars, Mealybugs, Scales (Immature), Spider mites, Whiteflies (Immature)	2	

USE PRECAUTION: Use a lower concentration for more sensitive plants.

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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:

Nonrefillable Container (rigid material; less than 5 gallons):

Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean container 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 one-fourth 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. Dispose of empty container in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

Nonrefillable Container (rigid material; 5 gallons or greater):

Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill container one-fourth 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. Dispose of empty container 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 pesticide 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 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% 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. Dispose of empty container in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

WARRANTY—CONDITIONS OF SALE

THE DIRECTIONS FOR USE of this product are based upon tests believed reliable. Follow directions carefully. Timing and method of application, weather and crop conditions, mixtures with other chemicals not specifically recommended, and other influencing factors in the use of this product are beyond the control of the Seller. To the extent consistent with applicable law, Buyer assumes all risks of use, storage and handling of this material not in strict accordance with directions given herewith.

To the extent consistent with applicable law, in no case shall the Manufacturer or the Seller be liable for consequential, special or indirect damages resulting from the use or handling of this product when such use and/or handling is not in strict accordance with directions given herewith. The foregoing is a condition of sale by the Seller and is accepted as such by the Buyer.

The DREXEL logo is a registered trademark of Drexel Chemical Company.