

16-161

1/5/2004

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

JAN - 5 2004

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Mr. Thomas C. McEntee
VP Regulatory Compliance
Dragon Chemical Corporation.
71 Carolyn Blvd
Farmingdale, NY 11735

Subject: Label Amendment: First Aid, Storage & Disposal
Dragon Horticultural Spray Oil
EPA Reg. No. 16-161
Submission dated August 20, 2003, **acceptable with comments.**

Dear Mr. McEntee:

The revised labeling referenced above, submitted in connection with the registration under the Federal Insecticide, fungicide, and Rodenticide Act (FIFRA) as amended, is acceptable with the following comments:

- 1) The First Aid Statement under If Swallowed is incorrect for petroleum products. The statement "have a person sip a glass of water" must be replaced with "Do not give any liquid to a person"
- 2) The "Note to Physician" is missing and it should state "Contains petroleum distillate. Do not induce vomiting since vomiting may cause aspiration pneumonia"
- 3) You must state under the product name "For residential use only"

A stamped copy "accepted with comments" of the label is enclosed for your records.

Please submit two copies of the final printed label for our records. If you have any questions please call me at (703) 308-8328.

Sincerely yours,

A handwritten signature in black ink that reads "Akiva Abramovitch".

Akiva Abramovitch, Ph.D.
Insecticide-Rodenticide Branch
Registration Division (7505C)

DRAGON HORTICULTURAL SPRAY OIL

All-Season Insect Protection.

Controls Insects On Ornamentals, Roses, Fruit & Shade Trees.

ACTIVE INGREDIENT:

Petroleum Oil..... 98%

INERT INGREDIENTS:..... 2%

TOTAL: 100%

Petroleum oil minimum unsulfonated residue 92%

Keep Out of Reach of Children

CAUTION

DRAGON® HORTICULTURAL SPRAY OIL

**ACCEPTED
with COMMENTS
In EPA Letter Dated:**

JAN - 5 2004

**Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under EPA Reg. No.
16-161**

Controls the following insects

- Aphids
- Azalea Bark Scale
- Black Scale
- Brown Apricot Scale
- Coojey Spruce Gall Adelgid
- Cottony Maple Scale
- Eastern Spruce Gall Adelgid
- Elongate Hemlock Scale
- Euonymus Scale
- European Elm Scale
- European Fruit
Lecanium Scale
- European Red Mite
- Fig Scale
- Fletcher Scale
- Frosted Scale
- Fruit Tree Leafroller
- Golden Oak Scale
- Hemlock Eriophyid
Mite
- Hemlock Scale
- Holly Scale
- Italian Pear Scale
- Kermes Oakscale
- Lecanium Scales
- Magnolia Scale
- Maple Bladder Gall
Mite
- Mealybugs
- Oleander Scale
- Olive Scale (Parlatoria Scale)
- Oyster Shell Scale
- Parlatoria Soft
Brown Scale
- Pear Leaf
Blister Mite
- Pear Psylla
- Pine Bark Adelgid

- Pine Eriophyid Mites
- Pine Needle Scale
- Purple Scale
- Putnam Scale
- Red Scale
- Red Spider Mites
- Rust Mites
- San Jose Scale
- Scurfy Scale
- Southern Red Mite
- Spruce Bud Scale
- Spruce Spider Mite
- Two-spotted Spider Mite
- Taxus Pulvinar Scale
- Tuliptree Scale
- White Pine Aphid
- Yellow Scale

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION: Harmful if swallowed. Avoid breathing vapors or spray mist. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Wash thoroughly after handling.

FIRST AID

**FOR A MEDICAL EMERGENCY INVOLVING THIS PRODUCT CALL:
CHEMTREC AT: 1-800-424-9300**

IF INHALED:

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

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 further treatment advice.

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 further treatment advice.

IF SWALLOWED

Call Poison Control Center or Doctor immediately for treatment advice.
Have person sip a glass of water if able to swallow.
Do not induce vomiting unless told to do so by the poison control center or doctor.
Do not give anything by mouth to an unconscious person.

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

ENVIRONMENTAL HAZARDS

This product is toxic to fish. Do not apply directly to water. Do not apply when weather conditions favor drift from areas treated. Do not contaminate water by cleaning of equipment or disposal of waste.

CHEMIGATION PROHIBITION

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

PHYSICAL OR CHEMICAL HAZARDS

Do not use, pour, spill or store near heat or open flame.

GENERAL INFORMATION

DRAGON® Horticultural Spray Oil is an especially refined horticultural oil insecticide. It is for use on plants in foliage or in dormant stage. It is effective in controlling many insects on **apples, apricots, cherries, nectarines, peaches, pears, plums, prunes; grapevines; citrus fruits; roses, shade trees, evergreens and ornamental shrubs.**

ADDITIONAL USE PRECAUTIONS

Shake contents before using! **DO NOT** spray foliage with **DRAGON® Horticultural Spray Oil** within 30 days before or after using sulfur, Captan fungicide, Carbaryl, or **CYGON®** (dimethoate). **DO NOT** use when temperatures are above 90°F. When temperatures drop below 32°F (usually nighttime lows), **DO NOT** spray tree and vine crops until daytime temperatures have warmed to a point above 32°F and are free from moisture due to melting frost or heavy dews. **DO NOT** apply when plants are wilting or near wilting. This product may cause discoloration of Blue Spruce. **DO NOT** use on conifers or ferns not tolerant to oil sprays. Use with caution and reduced rate for summer application on Japanese Red Maple, Armur Maple and Black Walnut. Use with caution and reduced rate for dormant application on Sugar Maple and Redbud. **DO NOT** store dilute spray - mix new batch for each use.

CONTROLS

Also controls a wide range of mite and insect pests in the egg stage such as: **spider and eriophyid mites, armored and soft scales, mealybugs, psyllids, whiteflies, aphids, leafrollers, leafhoppers, webworms, cankerworms, plant bugs, leafhoppers and adelgids.** Will kill other immature forms if spray covers the insect.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

DIRECTIONS

Add the required amount of this product to water in the spray tank to make the desired volume of spray mixture. Agitate before spraying and occasionally during application. Apply to thoroughly cover all plant surfaces, penetrating the crevices in the twigs and branches as well as the bark on trunk and limbs. Consult your Agricultural Extension Service for proper timing of application in your area to obtain maximum insect control.

GROWING SEASON

(Spring/Summer)

Use On: Ornamentals and Shade Trees - see Additional Use Precautions - (**Apple, Birch, Conifers, Dogwood, Flowering Cherry, Flowering Peach, Hawthorne, Holly, Magnolia, Maple, Oak, Privet, Pyracantha, Sycamores**). Use with caution and reduced rate on **Japanese Red Maple, Armur Maple and Black Walnut.** Use rate: To control *Black Scale, Soft Brown Scale, Oyster Shell Scale, Brown Apricot Scale, San Jose Scale, Red Spider Mites and Eggs* mix 2 1/2 Tbs. per gal. of water.

Use on: Almonds, Apricots, Cherries, Nectarines, Peaches, Plums, Prunes. Use rate: To control *Red Spider Mites* mix 2-2 1/2 Tbs. per gal. of water. To control *Brown Apricot Scale and San Jose Scale* mix 2 1/2 Tbs. per gal. of water.

Use on: **Apples.** Use rate: To control *Rust Mite* and *San Jose Scale* mix 2¹/₂ 3³/₄ Tbs. per gal. of water. To control *Red Spider Mites* mix 2-2¹/₂ Tbs. per gal. of water.

Use on: **Pears.** Use rate: To control *Red Spider Mites* mix 2-2¹/₂ Tbs. per gal. of water. To control *Pear Psylla* and *Italian Pear Scale* mix 2¹/₂-3³/₄ Tbs. per gal. of water.

Use on: **Valencia Oranges.** Use rate: To control *Red Scale*, *Black Scale*, *Yellow Scale*, *Purple Scale* and *Red Spider Mites* mix 2¹/₂ Tbs. per gal. of water. DO NOT apply later than Sept. 1.

Use on: **Walnuts.** Use rate: To control *Frosted Scale*, *European Fruit Scale*, *San Jose* and other soft-shell scale, *Red Spider Mites* mix 1¹/₄-2¹/₂ Tbs. per gal. of water. APPLY LATE SPRING TO MID-SUMMER ONLY. DO NOT apply after husk split.

DORMANT USE

(Fall /Winter)

Use on: **Roses, Ornamentals and Shade Trees-** see Additional Use Precautions [Apple, Azalea, Andromeda, Arborvitae, Austrian Pine, Birch, Bittersweet, Blue Spruce (needles will lose blue color), Canada Hemlock, Carolina Hemlock, Cedar, Chestnut Oak, Conifers, Crabapple, Cut Leaf Maple, Dogwood, Douglas Fir, Elm, English Elm, English Oak, Flowering Cherry, Flowering Peach, Glowering Trees, Hawthorne, Hemlock, Holly, Honeylocust, Ilex, Juniper, Lilac, Magnolia, Maple, Mountain Ash, Mugho Pine, Norway Spruce, Oak, Pachysandra, Pine, Privet, Pyracantha, Red Oak, Red Pine, Rhododendron, Scots Pine, Silver Maple, Spruce, Sycamores, Taxus, Tuliptree, White Oak, White Pine, White Spruce, Willow]. Use with caution and reduced rate on Sugar Maple and Redbud.

Use rate: To control *Aphids* (free living forms), *Azalea Bark Scale*, *Brown Apricot Scale*, *Elongate Hemlock Scale*, *Euonymus Scale*, *European Elm Scale*, *European Fruit Lecanium Scale*, *European Red Mite*, *Hemlock Eriophyid Mite*, *Kermes Oakscale*, *Oyster Shell Scale*, *Red Spider Mites and Eggs*, *San Jose Scale*, *Soft Brown Scale*, *Southern Red Mite* - Dormant Spray on deciduous varieties, mix 5 Tbs. per gal. Dormant Spray on other varieties, mix 2¹/₂ Tbs. per gal. of water. To control *Cooley Spruce Gall Adelgid* in Blue Spruce and Douglas Fir and *Eastern Spruce Gall Adelgid* in Norway and White spruce apply before new growth starts, treating terminal twigs and bases of buds. *Fletcher Scale* in Arborvitae and Taxus; *Golden Oak Scale* in White, Chestnut and English Oaks; and *Hemlock Scale* in Canada and Carolina Hemlock apply before new growth starts. Holly Scale in Holly apply in April or May. *Magnolia Scale* in Magnolia; *Pine Bark Adelgid* in White, Red, Scots and Austrian Pines; *Pine Needle Scale* in White, Red, Scots, Austrian and Mugho Pines and Spruce; *Spruce Bud Scale* in Spruce; *Spruce Spider Mite* in Arborvitae, Hemlock, Spruce, Juniper, Cedar and Pines; *Taxus Pulvinar Scale* in Taxus; *Tuliptree Scale* in Tuliptree; *White Pine Aphid* in White Pine; and *Maple Bladdergall Mite* in Silver and Cut Leaf Maple apply in April. To control *Pine Eriophyid Mites* in Pines apply when needles begin to elongate.

Use on: **Almonds, Apricots, Cherries, Nectarines, Peaches, Plums, Prunes. (Dormant or Delayed Dormant).** Use rate: To control *Brown Apricot Scale*, *Black Scale*, *San Jose Scale*, *Olive Scale (Parlatoria Scale)*, *Oleander Scale*, *Frosted Scale*, *Italian Pear Scale*, *European Fruit Lecanium*, *Putnam Scale*, *Parlatoria Soft Brown Scale* and certain other Scale insects, *Eggs of Aphids*, and *Red Spider Mites* mix 3³/₄-5 Tbs. per gal. of water. To control *Two-spotted Spider Mites* and *European Red Mites* in peaches, mix 5 Tbs. per gal. of water and apply to 1/2" green tip stage. To control *Overwintering eggs of Two-spotted Spider Mites* and *European Red Mites* in cherries, mix 5 Tbs. per gal. of water and apply at bud burst. To control *European Red Mites* or *European Fruit Lecanium Scale* in plums, mix 5 Tbs. per gal. of water and apply to 1/2" green tip stage.

Use on: **Apples, Pears (Dormant or Delayed Dormant).** Use rate: To control *San Jose Scale*, *Italian Pear Scale*, *eggs of Aphids* and *Red Spider Mites*, mix 3³/₄-5 Tbs. per gal. of water. To control *Rust Mites* in apples, mix 3³/₄-5 Tbs. per gal. of water and apply as delayed

dormant spray. To control *Cottony Maple Scale*, *European Fruit Lecanium Scale* and *European Red Mite* in apples, mix 5 Tbs. per gal. of water and apply at dormant to 1/2" green tip stage. To control *Fruit Tree Leafroller* and *Scurfy Scale* in apples, mix 7 1/2 Tbs. per gal. of water. To control *Pear Psylla* in pears, mix 5 Tbs. per gal. of water and apply as dormant spray (before appreciable oviposition). Make second application one week later if adult psylla are still present. To control *Blister Mite* in pears, mix 5 Tbs. per gal. of water and apply as delayed dormant and fall spray. To control *Fruit Tree Leaf Roller* in pears, mix 7 1/2 Tbs. per gal. of water and apply as dormant spray.

Use on: **Figs (Dormant or Delayed Dormant)**. Use rate: To control *Fig Scale* mix 7 1/2 Tbs. per gal. of water.

Use on: **Grapes (Dormant)**. Use rate: To control *Overwintering Mites*, mix 5 Tbs. per gal. of water.

Use on: **Olives**. Use rate: To control *Parlatoria Scale*, *Spider Mites*, *Oleander Scale* and *Black Scale*, mix 3 3/4 Tbs. per gal. of water. Apply in pre-bloom or in post-bloom up to buckshot.

Storage and Disposal

STORAGE: Store only in original container, in a cool, dry place inaccessible to children and pets and away from feed and foodstuffs.

DISPOSAL: If Empty: Do Not reuse this container. Place in trash or offer for recycling if available.

If partly filled: Call your local solid waste agency or call CHEMTREC AT 1-800-424-9300 for disposal instructions. Never place unused product down any indoor or outdoor drain.

NOTE: Buyer assumes all responsibilities of use, storage or handling of this material not in strict accordance with DIRECTIONS and CAUTIONS stated on this label.

EPA Reg. No. 16-161

Distributed by
DRAGON CHEMICAL
CORPORATION
Roanoke, VA 24019