



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

SEP 2 1999

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Ms. Judith Lemm
Rockland Corporation
P.O. Box 809
West Caldwell, NJ 07007-0809

Subject: Changes to Label-addition of marketing statements.
Rockland Horticultural Spray Oil
EPA Reg. No. 572-83.
Submission dated June 2, 1999.

Dear Ms. Lemm:

The labeling referred to above submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable subject to the comments listed below. Five copies of the finished labeling must be submitted prior to releasing the product for shipment. A stamped copy of the label "accepted with comments" is enclosed for your records.

The changes you have made to latest label in our files of November 28, 1997 are acceptable. However, you must change the format of your label as indicated below:

- a) You must clearly differentiate between the Master Label and the Sub-Labels and title them accordingly.
- b) The Master Label title must appear at the top front page and the Registration Number must appear on the front page of the Master Label (The Registration Number is presented on the last page of your master label). The agency will only stamp the Master Label and therefore the Master Label must contain all the information presented in all the Sub Labels.

I am enclosing some examples for the front page of some Master Labels and you are welcome to do your own search or design as long as the labels are clearly titled.

You may consider using the new First Aid statement implemented by the Agency's Consumer Label Initiative for pesticide labels.

The recommended wording for First Aid for toxicity category 1, 2 and 3 are as follows and should



be presented in a table:

FIRST AID

Have the product container or label with you when calling a poison control center or doctor or going for treatment

If swallowed:	<ul style="list-style-type: none"> • Call a 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 by a poison control center or doctor.
If in eyes:	<ul style="list-style-type: none"> • 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 a poison control center or doctor for treatment advice.
If on skin:	<ul style="list-style-type: none"> • 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 inhaled:	<ul style="list-style-type: none"> • 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.

Please submit five (5) copies of the printed label for our files prior to releasing the product for shipment. If you have any questions please call me at (703) 308-8328.

Sincerely yours,



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

(Labeling for packaging larger than 1 gal.-includes WPS-conventional sprayer application)

ROCKLAND HORTICULTURAL SPRAY OIL

- For Foliar, Dormant, Delayed Dormant Application.
- To Control Over-Wintering and Certain Foliar Insects.
- A Superior Spray Oil.
- **To Protect Trees & Shrubs from Insect Insects.**
- **Protects against damage by Scale, and Mites**

ACTIVE INGREDIENT: with COMMENTS
 Paraffinic Oil..... **In EPA Letter Dated:** 98.8%
 INERT INGREDIENTS..... **Sept 2, 1999** 1.2%

Unsulfonated Residue-92%
Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 572-83
 Flashpoint 345 F min.

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

FIRST AID

IF SWALLOWED: Call a doctor or get medical attention. Do not induce vomiting. Do not give anything by mouth to an unconscious person. Avoid alcohol. **IF INHALED:** Move victim to fresh air. If not breathing, give artificial respiration (preferably mouth-to-mouth) and get medical attention. **IF IN EYES:** Flush eyes with plenty of water. Call a physician if irritation persists. **IF ON SKIN:** Wash with plenty of soap and water. Get medical attention if symptoms persist.
NOTE TO PHYSICIAN: Petroleum distillate may pose an aspiration pneumonia hazard.

See side Panel for Additional Precautionary Statements.

Net Contents: Five Gallons

ROCKLAND HORTICULTURAL SPRAY OIL consists of a light viscosity, highly refined petroleum oil with balanced emulsification to attain maximum penetration and coverage with minimum run-off. The diluted insecticide spray will kill arthropods by penetrating the egg and interfering with the metabolic processes and preventing respiration through egg shells or respiratory passages of both immature and mature insects.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS: CAUTION: Harmful if swallowed because of aspiration hazard. May enter lungs and cause injury. Avoid breathing vapors or spray mist. Do not get in eyes or on skin or clothing. Wash hands after use.

PERSONAL PROTECTIVE EQUIPMENT: Applicators and other handlers must wear: long-sleeved shirt, long pants, shoes plus socks, and chemical resistant gloves (such as barrier laminate, nitrile rubber, neoprene rubber, or viton). Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS: Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- 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. Do not contaminate water by cleaning of equipment or disposal of waste.

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 applications. 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 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 intervals. 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: coveralls, shoes plus socks and chemical resistant gloves (such as barrier laminate, rubber, neoprene rubber, or viton).

SHADE TREE ORNAMENTAL SPRAY

Pest	Plant	*Recommended Time of Application
Aphids (free living forms)	most deciduous plants	*Dormant/Foliar
Azalea bark scale	Azalea, Rhododendron, Andromeda	*Delayed Dormant
Cooley Spruce Gall Adelgid	Blue Spruce, Douglas Fir (Blue Spruce needles will loose blue color)	*Before new growth starts, treat terminal twigs & bases of buds.
Eastern Spruce Gall Adelgid	Norway & White Spruce	*(same as Cooley)
Elongate Hemlock Scale	Hemlock & Spruce	*(same as Cooley)
Euonymus Scale	Bittersweet & Pachysandra	*Delayed Dormant
European Fruit Lecanium Scale	Elm, Oak, Arborvitae	*Dormant/Foliar
European Elm Scale	Elms	*Dormant/Foliar
European Red Mite	Crabapple, Mountain Ash, English Elm	*Delayed Dormant
Fletcher Scale	White Chestnut, English Oaks	*Before new growth starts
Hemlock Eriophyid Mite	Surfaces of Hemlock needles	*Dormant/Foliar
Hemlock Scale	Canada & Carolina Hemlock	*Before new growth starts
Holly Scale	Hollies	*Spring
Kermes Oak Scale	White & Red Oaks	*Dormant/Foliar
Lecanium Scales	Oak, Maple, Honeylocust, Glowering Trees, Arborvitae, Taxus	*Dormant/Foliar

label\rk\nd\083\hr\98.doc - 2/9/99 - Verbal approval from Tom Harris, EPA, for these changes for specific timing of application to be stated as more generally specific to geographic area of application. Awaiting actual stamped label from EPA.

Magnolia Scale	Magnolia	*Early Spring
Maple Bladdergall Mite	Silver & Cut Leaf Maples	*Early Spring-treat twigs & buds
Oystershell Scale	Willow, Lilac, Apple	*Dormant/Foliar
Pine Bark Adelgid	White, Scots & Austrian Pines	*Early Spring
Pine Eriophyid Mites	Pines	*When needles begin to elongate
Pine Needle Scale	White, Red, Scots, Austrian and Mugho Pines, Spruce	*Early Spring
Southern Red Mite	Ilex and other Broadleaf Evergreens	*Dormant/Foliar
Spruce Bud Scale	Spruce	* Early Spring
Spruce Spider Mite	Arborvitae, Hemlock, Spruce Juniper, Cedar, Pines	*Early Spring
Taxus Pulvinar Scale	Taxus	*Early Spring
Tuliptree Scale	Tuliptree	*Early Spring
White Pine Aphid	White Pine	*Early Spring

***For specific timing of applications recommended for your area, consult with your local agricultural extension service.**

FOLIAR APPLICATION: Use rate between a 1-50 to 1-100 dilution to control a wide range of mite and insect pests in the egg stage such as spider and eriophyid mites, armored and soft scales, mealybugs, phyllids, whiteflies, aphids, leafrollers, leaf tiers, webworms, canker worms, plant bugs, leafhoppers, and adelgids. Will kill other immature forms if spray covers the insect.

DORMANT AND DELAYED DORMANT APPLICATION: Use rate between 1 to 50 dilution (2.5 fl. oz. or 5 Tbsp. per gal.) or 1-33 dilution (3.8 fl. oz. or 7.5 Tbsp. per gal). Use Dormant rate for Early Spring / Before new growth application.

FRUIT TREE SPRAY:		
Pest	TREE	Rate (gals Hort Oil/water) & Time of Application
Apple Red Bug European Fruit Lecanium Scale	Apple	2 gal./100 gal. Water-Dormant
Fruit Tree Leaf Roller	Apple	3 gal./100 gal. water -Dormant
European Red Mite San Jose Scale	Apple	2 gal./100 gal. water - Green Tip to Delayed Dormant
Sciesfy Scale	Apple	3 gal./100 gal. water - Delayed Dormant
Fruit Tree Leaf Roller Pear Leaf Blister Mite	Pear	3 gal./100 gal. water - Dormant
Pear Psylla	Pear	2 gal./100 gal. water-Delayed Dormant
Cottony Peach Scale	Peach	3 gal./100 gal. water-Dormant
European Red Mite European Lecanium Scale	Plums	2 gal./100 gal. water -Dormant to Delayed Dormant

GENERAL DIRECTIONS FOR TIMING AND MIXING: Horticultural Spray Oil should be applied in the dormant or delayed dormant stages for control of over-wintering insects or as a foliar applications to woody ornamental trees and shrubs. Foliar application may be made alone or in tank mix combinations with specified emulsifiable insecticide concentrates. Fill the spray tank with half to three quarters of the total volume of water. Add the oil with agitation. When thoroughly mixed, bring volume up to desired amount of spray solution. Agitate again before spraying and occasionally during spraying operation. For specific timing of applications, consult with your local agricultural extension service.

Do not apply when the temperature is below 40 degrees F. or there is a danger of the spray freezing before it dries. Summer applications should not be made at temperatures above 85 degrees F.

GENERAL APPLICATIONS: Apply to thoroughly cover all plant surfaces and to penetrate the crevices in the twigs and branches as well as in the bark on trunk and limbs. Spray until wet but without significant runoff.

TANK MIXES: Rockland Horticultural Spray Oil is compatible for tank mixing with emulsifiable concentrates of Pyrethrum, Malathion, Methoxychlor, and Bacillus Thuringiensis. When other materials are to be tank mixed with the oil solution, add them with agitation after the water and spray oil are thoroughly mixed. When mixing, be sure to follow the most restrictive Precautionary Statements on either of the product labels.

DILUTION EQUIVALENT:

1 gal. oil/100 gal. water = 1.28 fl. oz. or 2 1/2 Tbsp./gal. water (1-100 dilution).

2 gal. oil/100 gal. water = 2.5 fl. oz. or 5 Tbsp./gal water (1-50 dilution).

3 gal. oil/100 gal. water = 3.8 fl. oz. or 7 1/2 Tbsp./gal. water (1-33 dilution).

ADDITIONAL USE PRECAUTIONS: Keep oil container tightly closed in storage to prevent entry of water. All horticultural oils interfere with or slow plant transportation and respiration during the period of evaporation. **DO NOT APPLY DURING DROUGHT OR WHEN PLANTS EXHIBIT MOISTURE STRESS.** Do not use in combination with or immediately before or after spraying with dinitro compounds, fungicides such as Captan, Folpet, Dyrene, Karathene, Morestan or any other product containing sulfur. Also do not use with SEVIN WP or DIMETHOATE. Oil might remove the glaucous (blue) bloom from such evergreens as Colorado blue spruce and Koster spruce. Use with caution and reduce dosage for summer application on Japanese Red Maple, Amur Maple and Black Walnut. Use with caution and reduced dosage for dormant application on Sugar Maple and Redbud. Do not apply as Foliar Spray at intervals of less than 1 month.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

STORAGE: Store unused material in original container only, in a locked dry storage area out of reach of children and animals. Keep container tightly closed.

DISPOSAL: Pints, Quarts, Gallons - Do not reuse empty container. Securely wrap in several layers of newspaper and discard in trash. Rinse thoroughly before discarding in trash. **FIVE GALLONS AND LARGER:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. Container should be triple rinsed (or equivalent); then offered for recycling or reconditioning or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

WARRANTY: Seller makes no warranty, expressed or implied, concerning the use of this product other than indicated on the label. Buyer assumes all risk of use and/or handling of this material when such use and/or handling is contrary to label instructions.

EPA Reg. No. 572-83
EPA Est. No. 572-NJ-1
Product 08305
0299

Manufactured by
Rockland Corporation
West Caldwell, NJ 07006
USA

Homeowner Use(1gal & Smaller)Conventional sprayer or
Option For Hose-End Applicator Directions

Rockand

HORTICULTURAL SPRAY OIL

(OPTION A-Conventional Sprayer)

- For Foliar, Dormant, Delayed Dormant Application - A Superior Spray Oil.
 - To Control Over-Wintering and Certain Foliar Insects.
 - To Protect Trees & Shrubs from listed insects.
 - Protects against damage by Adelged, Scale, and Mites.

(OPTION B-With Hose-End Applicator)

- For Foliar Application
 - No Measuring or mixing
 - Just Attach to Hose and Spray
- To Protect Trees & Shrubs from listed insects.
 - Hose End Convenience
 - Apply any time during growing season.
- Protects against damage by Adelged, Scale, and Mites.

ACTIVE INGREDIENT:

Paraffinic Oil..... 98.8%

INERT INGREDIENTS..... 1.2%

Unulfonated Residue-92% min.

Flashpoint 345 F min.

EPA Reg. No. 572-83

EPA Est. No. 572-NJ-1

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

FIRST AID

IF SWALLOWED: Call a doctor or get medical attention. Do not induce vomiting. Do not give anything by mouth to an unconscious person. Avoid alcohol. **IF INHALED:** Remove victim to fresh air. If not breathing, give artificial respiration (preferably mouth-to-mouth) and get medical attention. **IF IN EYES:** Flush eyes with plenty of water. Call a physician if irritation persists **IF ON SKIN:** Wash with plenty of soap and water. Get medical attention if symptoms persist.

NOTE TO PHYSICIAN: Petroleum distillate may pose an aspiration pneumonia hazard.

See sideor back Panel for Additional Precautionary Statements

Net Contents _____

ROCKLAND HORTICULTURAL SPRAY OIL consists of a light viscosity, highly refined petroleum oil with balanced emulsification to attain maximum penetration and coverage with minimum run-off. The diluted insecticide spray will kill arthropods by penetrating the egg and interfering with the metabolic processes and preventing respiration through egg shells or respiratory passages of both immature and mature insects.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS: CAUTION: Harmful if swallowed because of aspiration hazard. May enter lungs and cause injury. Avoid breathing vapors or spray mist. Do not get in eyes or on skin or clothing. Wash hands after use.

PERSONAL PROTECTIVE EQUIPMENT: Applicators and other handlers must wear: long sleeved shirt, long pants, shoes plus socks and chemical resistant gloves (such as barrier laminate, nitrile rubber, neoprene rubber, or viton).

USER SAFETY RECOMMENDATIONS: Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- 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. Do not contaminate water by cleaning of equipment or disposal of waste.

DIRECTIONS FOR USE - (Option A-FOR APPLICATION WITH CONVENTIONAL SPRAYER)

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

Not for use on plants being grown for sale or other commercial use, or for commercial seed production, or for research purposes.

SHADE TREE ORNAMENTAL SPRAY

Pest	Plant	*Recommended Time of Application
Aphids (free living forms)	most deciduous plants	*Dormant/Foliar
Azalea bark scale	Azalea, Rhododendron, Andromeda	*Delayed Dormant
Cooley Spruce Gall Adelgid	Blue Spruce, Douglas Fir (Blue Spruce needles will loose blue color)	*Before new growth starts, treat terminal twigs & bases of buds.
Eastern Spruce Gall	Norway & White Spruce	*(same as Cooley)
Adelgid		
Elongate Hemlock Scale	Hemlock & Spruce	*(same as Cooley)
Euonymus Scale	Bittersweet & Pachysandra	*Delayed Dormant
Europe Fruit Lecanium Scale	Elm, Oak, Arborvitae	*Dormant/Foliar
European Elm Scale	Elms	*Dormant/Foliar
European Red Mite	Crabapple, Mountain Ash, English Elm	*Delayed Dormant
Fletcher Scale	White Chestnut, English Oaks	*Before new growth starts
Hemlock Eriophyid Mite	Surfaces of Hemlock needles	*Dormant/Foliar
Hemlock Scale	Canada & Carolina Hemlock	*Before new growth starts
Holly Scale	Hollies	*Spring
Kermes Oak Scale	White & Red Oaks	*Dormant/Foliar
Lecanium Scales	Oak, Maple, Honeylocust, Glowering Trees, Arborvitae, Taxus	*Dormant/Foliar
Magnolia Scale	Magnolia	*Early Spring
Maple Bladder gall Mite	Silver & Cut Leaf Maples	*Early Spring-Treat Twigs & buds
Oystershell Scale	Willow, Lilac, Apple	*Dormant/Foliar
Pine Bark Adelgid	White, Scots & Austrian Pines	*Early Spring
Pine Eriophyid Mites	Pines	*When needles begin to elongate
Pine Needle Scale	White, Red, Scots, Austrian and Mugho Pines, Spruce	*Early Spring
Southern Red Mite	Ilex and other Broadleaf Evergreens	*Dormant/Foliar
Spruce Bud Scale	Spruce	*Early Spring
Spruce Spider Mite	Arborvitae, Hemlock, Spruce Juniper, Cedar, Pines	*Early Spring
Taxus Pulvinar Scale	Taxus	*Early Spring
Tuliptree Scale	Tuliptree	*Early Spring
White Pine Aphid	White Pine	*Early Spring

*For specific timing of applications recommended for your area, consult with your local agricultural extension service.

FOR FOLIAR: Use rate between a 1-50 dilution (2.5 oz. or 5 Tbsp per gallon) and a 1-100 dilution (1.25 fl. oz. or 2.5 Tbsp. per gallon) to control a wide range of mite, scale and insect pests in the egg stage listed above as well as spider and eriophyid mites, armored and soft scales, mealybugs, phyllids, whiteflies, aphids, leafrollers, leaf tiers,

webworms, canker worms, plant bugs, leafhoppers, and adelgids. Will kill other immature forms if spray covers the insect.

FOR DORMANT AND DELAYED DORMANT: Use rate between 1 to 50 dilution (2.5 fl. oz. or 5 Tbsp. per gal) or a 1 to 33 dilution (3.8 fl. oz. or 7.5 Tbsp. per gal.).

Use Dormant Rate for Early Spring/Before new growth application.

FRUIT TREE SPRAY:		
Pest	TREE	Rate (gals Hort Oil/water) & Time of Application
Apple Red Bug European Fruit Lecanium Scale	Apple	2.5 fl. oz./gal. Water-Dormant
Fruit Tree Leaf Roller European Red Mite San Jose Scale	Apple	3.8 fl. oz./gal. Water -Dormant 2.5 f. oz./gal. Water - Green Tip to Delayed Dormant
Sciesfy Scale	Apple	3.8 fl. oz./gal. Water - Delayed Dormant
Fruit Tree Leaf Roller Pear Leaf Blister Mite	Pear	3.8 fl. oz./gal. Water - Dormant
Pear Psylla	Pear	2.5 fl. oz./gal. Water-Delayed Dormant
Cottony Peach Scale	Peach	3.8 fl. oz./ Water-Dormant
European Red Mite European Lecanium Scale	Plums	2.5 fl. oz./gal. Water -Dormant to Delayed Dormant

DILUTION EQUIVALENT:

1 gal. oil/100 gal. water=1.28 fl. oz. or 2 1/2 Tbsp./gal. water (1-100 dilution).

2 gal. oil/100 gal. water=2.6 fl. oz. or 5 Tbsp./gal. water (1-50 dilution).

3 gal. oil/100 gal. water=3.8 fl. oz. or 7 1/2 Tbsp./gal water (1-33 dilution).

GENERAL DIRECTIONS FOR TIMING AND MIXING: Horticultural Spray Oil should be applied in the dormant or delayed dormant stages for control of over-wintering insects or as a foliar application to woody ornamental trees and shrubs. Foliar applications may be made alone or in tank mix combinations with specified emulsifiable insecticide concentrates. Fill the spray tank with half to three quarters of the total volume of water. Add the oil with agitation. When thoroughly mixed, bring volume up to desired amount of spray solution. Agitate again before spraying and occasionally during spraying operation. For specific timing of applications, consult with your local agricultural extension service.

Do not apply when the temperature is below 40 degrees F. or there is a danger of the spray freezing before it dries. Summer applications should not be made at temperatures above 85 degrees F.

GENERAL APPLICATIONS: Apply to thoroughly cover all plant surfaces and to penetrate the crevices in the twigs and branches as well as in the bark on trunk and limbs. Spray until wet but without significant runoff.

TANK MIXES: Rockland Horticultural Spray Oil is compatible for tank mixing with emulsifiable concentrates of Pyrethrum, Malathion, Methoxychlor, and Bacillus

Best Available Copy

Thuringiensis. When other materials are to be tank mixed with the oil solution, add them with agitation after the water and spray oil are thoroughly mixed. When mixing, be sure to follow the most restrictive Precautionary Statements on either of the product labels.

ADDITIONAL USE PRECAUTIONS: Keep oil container tightly closed in storage to prevent entry of water. All horticultural oils interfere with or slow plant transportation and respiration during the period of evaporation. **DO NOT APPLY DURING DROUGHT OR WHEN PLANTS EXHIBIT MOISTURE STRESS.** Do not use in combination with or immediately before or after spraying with dinitro compounds, fungicides such as Captan, Folpet, Dyrene, Karathene, Morestan or any other product containing sulfur. Also do not use with SEVIN WP or DIMETHOATE. Oil might remove the glaucous (blue) bloom from such evergreens as Colorado blue spruce and Koster spruce. Use with caution and reduce dosage for summer application on Japanese Red Maple, Amur Maple and Black Walnut. Use with caution and reduced dosage for dormant application on Sugar Maple and Redbud. Do not apply as Foliar Spray at intervals of less than 1 month.

(Alternate) DIRECTIONS FOR USE -

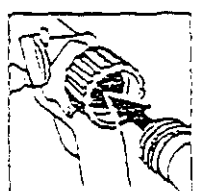
Option B- (Proposed for use on packaging WITH HOSE END SPRAYER calibrated at 1-100 dilution.

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

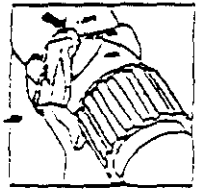
Not for use on plants being grown for sale or other commercial use, or for commercial seed production, or for research purposes.

HOSE END DIRECTIONS:

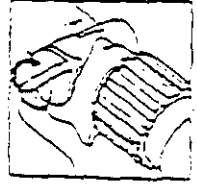
Optional Expanded Hose End Directions



- SHAKE BEFORE USING
1. Attach garden hose to spray nozzle



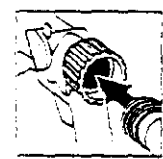
2. Bend safety tab down and turn control to "water".



3. Turn on water supply.



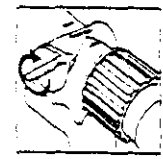
4. Point nozzle toward area/item to be sprayed and turn water control knob to "On". Product will automatically mix with water. Hold bottle level. Use with average water pressure.



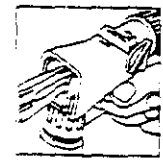
1. Attach garden hose to spray nozzle and turn on water supply.



2. Bend safety tab down and turn control to "Water". Clear water will spray.



3. Point nozzle toward item to be sprayed and turn water control knob to "On" to automatically mix with water.



4. Hold bottle level. Use with average water pressure.

SHADE TREE ORNAMENTAL SPRAY

Pest	Plant	*Recommended Time of Application
Aphids (free living forms)	most deciduous plants	*Dormant/Foliar
Azalea bark scale	Azalea, Rhododendron, Andromeda	*Delayed Dormant
Cooley Spruce Gall Adelgid	Blue Spruce, Douglas Fir (Blue Spruce needles will lose blue color)	*Before new growth starts, treat terminal twigs & bases of buds.
Eastern Spruce Gall Adelgid	Norway & White Spruce	*(same as Cooley)
Elongate Hemlock Scale	Hemlock & Spruce	*(same as Cooley)
Euonymus Scale	Bittersweet & Pachysandra	*Delayed Dormant
Europe Fruit Lecanium Scale	Elm, Oak, Arborvitae	*Dormant/Foliar
European Elm Scale	Elms	*Dormant/Foliar
European Red Mite	Crabapple, Mountain Ash, English Elm	*Delayed Dormant
Fletcher Scale	White Chestnut, English Oaks	*Before new growth starts
Hemlock Eriophyid Mite	Surfaces of Hemlock needles	*Dormant/Foliar
Hemlock Scale	Canada & Carolina Hemlock	*Before new growth starts
Holly Scale	Hollies	*Spring
Kermes Oak Scale	White & Red Oaks	*Dormant/Foliar
Lecanium Scales	Oak, Maple, Honeylocust, Glowering Trees, Arborvitae, Taxus	*Dormant/Foliar
Magnolia Scale	Magnolia	*Early Spring
Maple Bladder Gall Mite	Silver & Cut Leaf Maples	*Early Spring-Treat Twigs & buds
Oystershell Scale	Willow, Lilac, Apple	*Dormant/Foliar
Pine Bark Adelgid	White, Scots & Austrian Pines	*Early Spring
Pine Eriophyid Mites	Pines	*When needles begin to elongate
Pine Needle Scale	White, Red, Scots, Austrian and Mugho Pines, Spruce	*Early Spring
Southern Red Mite	Ilex and other Broadleaf Evergreens	*Dormant/Foliar
Spruce Bud Scale	Spruce	*Early Spring
Spruce Spider Mite	Arborvitae, Hemlock, Spruce Juniper, Cedar, Pines	*Early Spring
Taxus Pulvinar Scale	Taxus	*Early Spring
Tuliptree Scale	Tuliptree	*Early Spring
White Pine Aphid	White Pine	*Early Spring

*For specific timing of applications recommended for your area, consult with your local agricultural extension service.

ADDITIONAL USE PRECAUTIONS: Keep oil container tightly closed in storage to prevent entry of water. All horticultural oils interfere with or slow plant transportation and respiration during the period of evaporation. **DO NOT APPLY DURING DROUGHT OR WHEN PLANTS EXHIBIT MOISTURE STRESS.** Do not use in combination with or immediately before or after spraying with dinitro compounds, fungicides such as Captan, Folpet, Dyrene, Karathene, Morestan or any other product containing sulfur. Also do not use with SEVIN WP or DIMETHOATE. Oil might remove the glaucous (blue) bloom from such evergreens as Colorado blue spruce and Koster spruce. Use with caution and reduce dosage for summer application on Japanese Red Maple, Amur Maple and Black Walnut. Use with caution for dormant application on Sugar Maple and Redbud. Do not apply as Foliar Spray at intervals of less than 1 month.

Do not apply when the temperature is below 40° F. or there is a danger of the spray freezing before it dries. Summer applications should not be made at temperatures above 85° F.

APPLICATION: *The attached sprayer is calibrated to deliver a 1 to 100 dilution to control a wide range of mite, scale and insect pests in the egg stage, including those listed above, as well as spider and eriophyid mites, armored and soft scales, mealybugs, phyllids, whiteflies, leafrollers, leaf tiers, webworms, canker worms, plant bugs, leafhoppers, and adelgids. Will kill other immature forms if spray covers the insect. Apply to thoroughly cover all plant surfaces and to penetrate the crevices in the twigs and branches as well as in the bark on trunks and limbs. Spray until wet but without significant runoff.*

(INSERT Hose-End Applicator directions)

(Continue following copy for both Option A (conventional sprayer application) and Option B (hose-end application).

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.
STORAGE: Store unused material in original container only, in a locked dry storage area out of reach of children and animals. Keep container tightly closed.
DISPOSAL: Do not reuse empty container. Securely wrap in several layers of newspaper and discard in trash. Rinse thoroughly before discarding in trash.

WARRANTY: Seller makes no warranty, expressed or implied, concerning the use of this product other than indicated on the label. Buyer assumes all risk of use and/or handling of this material when such use and/or handling is contrary to label instructions.

Manufactured by
Rockland Corporation
West Caldwell, NJ 07006 USA (UPC)
Product A083XX (16,32,01)
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Option to replace chart for Pest, Plant and Recommended Timing of Application for small package (under 1 gallon), homeowner application with the following condensed version to fit on small package labeling.

MAY BE USED ON:
SHADE TREES and SHRUBS: Including Conifers, Deciduous Broadleaf, Evergreens and Woody Ornamentals .
ORNAMENTAL TREES: Including Conifers Deciduous and Broadleaf Evergreens.
FLOWERING AND FOLIAGE PLANTS: Including roses and other flowering shrubs.

***FOR CONTROL OF:**

Aphids	Adelgids	Azalea bark scale	Eriophyid Mites
Canker worms	Eastern Spruce Gall	Enlongate Hemlock Scale	Euonymus Scale
European Elm Scale	European Red Mite	Fletcher Scale	Hemlock Eriophyid Mite
Hemlock Scale	Holly Scale	Kermes OakScale	Leafrollers
Leaftiers	Lecanium Scales	Magnolia Scale	Maple Bladdergall Mites
Mealybugs	Oystershell Scale	Phyllids	Pine Bark Adelgid
Pine Eriophyid Mites	Pine Needle Scale	Plant bugs	Southern Red Mite
Spruce Bud Scale	Spruce Spider Mite	Taxus Pulvinar Scale	Tuliptree Scale
Webworms	Whiteflies	White Pine Aphid	

*For specific timing of applications recommended for your area, consult with your local Agricultural Extension Service