



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

JAN 25 1994

Mary Lou Hawkins
E.I. DU PONT DE NEMOURS AND CO., INC.
Barley Mill Plaza, Walker's Mill
Wilmington, DE 19880

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Subject: Label Amendment Submission of 09/10/93 in Response to PR Notice 93-7
EPA Reg. No. 352-493
VENDEX 4L MITICIDE

Dear Registrant:

The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is accepted subject to the comments reflected on the enclosed sheet. A copy of your proposed labeling stamped "ACCEPTED WITH COMMENTS" is enclosed.

WHAT THIS ACCEPTANCE MEANS:

Based on your certification, the Agency has accepted the labeling changes that are necessary to comply with the Worker Protection Standard (WPS) labeling requirements of 40 CFR part 156, subpart K, described in PR Notices 93-7 and 93-11. Any other labeling changes submitted in connection with this amendment application but not directly related to compliance with the WPS have not been reviewed or accepted by the Agency. If you wish to make such changes, you must submit a separate amendment application proposing them. If your product is currently suspended, the acceptance of this labeling amendment does not affect the suspension in any way.

WHAT YOU NEED TO DO NEXT:

By the next label printing make all the specified changes to your labeling. Send to EPA one (1) copy of the final printed labeling:

- BEFORE selling or distributing any product bearing the final printed labeling
- AND
- WITHIN one year from date of this acceptance.



Recycled/Recyclable
Printed with SoyCanola Ink on paper that
contains at least 50% recycled fiber

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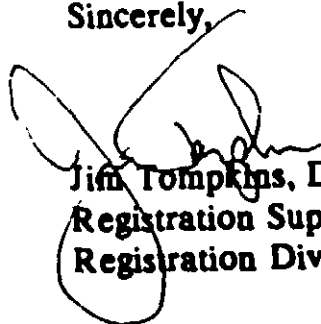
Submit the final printed labeling via the U.S. Postal Service to:

Document Processing Desk (FIN-LABEL)
Office of Pesticide Programs (7505C)
U.S. Environmental Protection Agency
401 M Street, SW
Washington, D.C. 20460-0001

Hand or courier deliveries of final printed labeling may be made to:

Document Processing Desk (FIN-LABEL)
Office of Pesticide Programs
Room 266A, Crystal Mall 2
1921 Jefferson Davis Highway
Arlington, VA 22202

Sincerely,



Jim Tompkins, Deputy Chief
Registration Support Branch
Registration Division (7505W)

Attachment

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division

Mary Lou Hawkins
E. I. DU PONT DE NEMOURS AND CO, INC.
BARLEY MILL PLAZA, WALKER'S MILL
WILMINGTON DE 19880

Subject: Label Amendment Submission of 09/10/93
to Comply with WPS Labeling Requirements
EPA Reg Nr. 352-493
VENDEX 4L MITICIDE

The following specific comments pertain to your
WPS labeling submission concerning the product
cited above:

Correct the typographical errors circled on your proposed
label.

ACCEPTED
with COMMENTS
in EPA Letter Dated

JAN 25 1994

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

352-493



4 of 7
VENDEX® 4L

MITICIDE

Contains 4 lbs. active ingredient per gallon

ACTIVE INGREDIENTS	BY WEIGHT
Fenbutatin-oxide [Hexakis (2-methyl-2-phenylpropyl)-distannoxane].....	42.0%
INERT INGREDIENTS.....	58.0%
	TOTAL100.0%
EPA Reg. No. 352-493	U.S. Patent No. 3,657,451

KEEP OUT OF REACH OF CHILDREN
DANGER PELIGRO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand this label, find someone to explain it to you in detail.)

STATEMENT OF PRACTICAL TREATMENT

If In Eyes: Hold eyelids open and flush with plenty of water. Call a physician.

If On Skin: Wash with plenty of soap and water. Get medical attention if irritation persists.

If Swallowed: Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.

If Inhaled: Remove victim to fresh air. If not breathing, give artificial respiration preferably mouth-to-mouth. Get medical attention.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER! CORROSIVE. THIS PRODUCT MAY CAUSE SKIN IRRITATION, RESPIRATORY IRRITATION, AND EYE DAMAGE.

Do not get in eyes, on skin, or on clothing.

Do not graze or feed animals on cover crops grown in treated area. Avoid contamination of food, feedstuffs, and domestic water supplies.

Harmful if swallowed. Avoid contamination of food. Avoid breathing spray mist.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression, and convulsion may be needed.

For medical emergencies involving this product, call toll free 1-800-441-3637.

PERSONAL PROTECTIVE EQUIPMENT

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

Applicators and other handlers must wear:

Long-sleeved shirt and long pants.

Chemical-resistant gloves, such as barrier laminate or butyl rubber or nitrile rubber or polyvinyl chloride or viton or neoprene rubber.

Shoes plus socks.

Protective eyewear.

Dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C).

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

ENVIRONMENTAL HAZARDS

This product is toxic to fish. Do not apply directly to water or wetlands (swamps, bogs, marshes, and potholes). Drift from runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwaters.

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(PPE) 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 48 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.

Chemical-resistant gloves, such as barrier laminate or butyl rubber or nitrile rubber or polyvinyl chloride or viton or neoprene rubber.

Shoes plus socks.

Protective eyewear.

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

SHAKE WELL BEFORE USING.

VENDEX 4L Miteicide is recommended for the control of a wide range of plant feeding mites, including strains that are resistant to other miteicides. VENDEX 4L may be applied when honeybees are present and when beneficial mites are important in integrated control programs. Shake VENDEX 4L container to mix contents thoroughly before adding to spray tank. VENDEX 4L Miteicide can readily be dispersed in water and can be used in conventional dilute sprayers or concentrate sprayers. Agitation is required during mixing and spraying.

Treat early. Best results are achieved when mite populations are low. Treatment is recommended when mite populations are just beginning to build. Thorough and complete coverage of foliage and fruit is necessary for optimum control. VENDEX performance is best when daily temperatures average above 70 °F; below 70 °F, performance is reduced.

In order to apply the correct amount of VENDEX dilute spray to your orchard, you must know the number of gallons of water needed to spray one acre of your trees to the point of drip. If you do not know this gallonage, you should conduct a test to determine it. Equipment dealers may be of assistance in conducting these tests.

Apply this product only as recommended on this label by ground application.

MANAGING MITE RESISTANCE

As with all acaricides, repeated exclusive use of VENDEX may lead to the build-up of resistant strains of mites in some crops. If more than one application of an acaricide is needed to control heavy and prolonged populations of mites, the choice of products with different modes of action should be considered. Additional application(s) of VENDEX during the growing season should be considered only after a minimum spray interval in excess of one generation of mites. Close observation and monitoring of field populations of mites should be an integral part of any resistance management program. If less than economic levels of control are observed and resistance is suspected, it is recommended that an acaricide with an alternate mode of action be used. In this eventuality, promptly consult your local State Agricultural Extension Service for advice on the selection of alternative materials.

DOSAGE AND CROP RECOMMENDATIONS

Crop	Mites Controlled	For Concentrate Sprays Vendex 4L Per Acre[1]	For Dilute Sprays Vendex 4L Per 100 Gal.	Remarks
Apples	Apple Rust Carpini Spider European Red McDaniel Spider Two-Spotted Spider	1 to 3 pints	4 to 8 fl. oz. (1/4 to 1/2 pt.)	(1) Do not apply more than 600 gals. dilute spray per acre. (2) Apply when mites first appear. Repeat as necessary to maintain control. (3) Do not apply more than 4 times per season including a pre-bloom spray; apply this product no more than 3 times between petal fall and harvest. (4) Do not apply within 14 days of harvest.
Pears	European Red McDaniel Spider Pear Rust Two-Spotted Spider	1 to 3 pints	4 to 8 fl. oz. (1/4 to 1/2 pt.)	
Citrus	Citrus Red Citrus Rust Texas Citrus Yuma Spider Two-Spotted Spider	2 to 4 pints	4 to 8 fl. oz. (1/4 to 1/2 pt.)	(1) Do not apply more than 1600[2] gals. dilute spray per acre. (2) Apply when mites first appear. (3) Do not apply more than 2 sprays in any 12-month period. Do not apply at less than 60 day intervals (4) In Florida, for consistent control, Vendex should not be applied with copper or oil. (5) Do not apply within 7 days of harvest.

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Crop	Mites Controlled	For Concentrate Sprays Vindex 4L Per Acre[1]	For Dilute Sprays Vindex 4L Per 100 Gal.	Remarks
Eggplant	Clover Mite Two-Spotted Spider	2 to 4 pints	--	(1) Apply when mites appear. Repeat as necessary to maintain control. Thorough coverage of all leaf surfaces is required for best control. (2) In Florida, apply when needed or every 1-2 weeks. (3) Do not exceed 6 applications per season with a total of no more than 6 pounds of active ingredient per acre per year. (4) Do not harvest within 3 days of last application.
Grapes	Pacific Spider European Red Two-Spotted Spider	1 to 2.5 pints	8 to 16 fl. oz. (1/2 to 1 pt.)	(1) Do not apply more than 250 gals. per acre. (2) Apply when mites first appear. Repeat as necessary to maintain control but not more often than once every 21 days. (3) Do not apply more than 2 times per season. (4) Do not apply within 28 days of harvest.
Peaches Nectarines Plums Prunes	European Red McDaniel Spider Pacific Spider Two-Spotted Spider Big Beaked Plum Peach Silver Plum Nursery	1 to 2 pints	4 to 8 fl. oz. (1/4 to 1/2 pt.)	(1) Do not apply more than 400 gals. dilute spray per acre. (2) Apply when mites first appear. Repeat as necessary to maintain control. (3) Do not apply more than 2 times per season. (4) Do not apply within 14 days of harvest.
Cherries (including both sweet and sour varieties)	European Red McDaniel Spider Cherry Rust	1.5 to 3 pints	4 to 8 fl. oz. (1/4 to 1/2 pt.)	(1) Do not apply more than 600 gals. dilute spray per acre. (2) Apply when mites first appear. Repeat as necessary to maintain control. (3) Do not apply more than 2 sprays while fruit is on the trees. (4) Do not apply within 14 days of harvest.
Almonds	Pacific Spider European Red Two-Spotted Spider Hickory Spider	1 to 2.5 pints	4 to 8 fl. oz. (1/4 to 1/2 pt.)	(1) Do not apply more than 500 gals. per acre. (2) Apply when mites first appear. Repeat as necessary to maintain control. (3) Do not apply more than 2 times per season. (4) Do not apply within 14 days of harvest.
Pecans	Pecan Hickory			
Walnuts	Two-Spotted Spider European Red Pacific Spider			
Strawberries	Two-Spotted Spider	1.5 to 2 pints	12 to 16 fl. oz. (3/4 to 1 pt.)	(1) Apply in 150-200 gal. per acre. (2) Apply when mites first appear. Repeat as necessary to maintain control but not more than 4 times per season. (3) Do not apply within 1 day of harvest. (4) Good coverage is essential to good mite control. Adjust spray volume and nozzle placement to adjust good coverage of top and underside of leaves.

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<p>Green house and outdoor ornamentals (including nursery stock, flowers, and plants grown for propagation purposes.)</p>	<p>Spruce Spider Olingonychus Two-Spotted Spider</p>	<p>-</p>	<p>8 to 16 fl. oz. (1/2 to 1 pt.)</p>	<p>(1) Do not add oil to the spray solution. (2) Apply when mites first appear. Repeat as necessary to maintain control. Frequent repeat applications may cause the appearance of visible spray residues on foliage. (3) Apply to the foliage only of chrysanthemums (pre-bloom) and poinsettias (pre-bloom). (4) Under green house conditions, foliage and flowers of certain species may demonstrate sensitivity to repeat applications. If in doubt, make test applications prior to general spraying. Occasional minor sensitivity has been observed on the following species.[3]</p>
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[1] For Concentrate Sprays – Adjust the dosage to apply an amount not exceeding that used in a dilute spray.

[2] Do not exceed 4 pints VENDEX 4L per acre per application.

[3] *Salix melanostachys* (common willow), *Asplenium bulbiferum* (spleenwort garden fern), *Dryopteris erythrosora* (wood fern), *Cercis canadensis* (common redbud), *Camellia japonica* (red garden camellia), *Pellaea rotundifolia* (button fern), *Davallia fejeensis* (rabbit foot fern), *Asparagus meyeri* (Meyers asparagus fern), *Asplenium nidus* (birdnest fern), *Adiantum cuneatum* (maidenhair fern), *Celosia argentea* (cockscomb), *Verbena hortensis* (verbena), *Ageratum houstonianum* (floss flower), *Rosa sp.* (common rose – some varieties esp. yellow).

NOTICE OF WARRANTY

Du Pont warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for the purposes stated on such label only when used in accordance with the directions under normal use conditions. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Du Pont. In no case shall Du Pont be liable for consequential, special or indirect damages resulting from the use or handling of this product. All such risks shall be assumed by the buyer. DU PONT MAKES NO WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE..

STORAGE AND DISPOSAL

STORAGE: Store in a secure, dry and temperate area. Keep container closed when not in use. Do not store near food or feed. Do not use or store around the home. Avoid contact with water. In case of spill or leak, soak up with sand, earth or synthetic absorbent and dispose of wastes in compliance with local, State and Federal regulations.

In case of a significant spill, call CHEMTREC: (800) 424-9300.

PRODUCT DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed according to label instructions, contact your State Pesticide or Environmental Control Agency or Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Triple rinse (or equivalent) and offer for recycling or reconditioning, or dispose of in a sanitary landfill or by incineration if permitted by State and local authorities.

AG - 5415 9121 12/2/91