

United States Environmental Protection Agency  
Washington, D.C. 20460

Office of  
Prevention, Pesticides and  
Toxic Substances

OCT 15 1993

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 06/08/93  
in Compliance with WPS Labeling Requirements  
EPA Reg No. 352-480  
DUPONT VENDEX 50 WP MITICIDE

Dear Registrant:

The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is accepted subject to the comments listed below.

Based on your certification, the Agency has accepted only those changes to your labeling which are necessary to comply with PR Notices 93-7 and 93-11, which reflect the WPS labeling requirements of 40 CFR part 156, subpart K. Any other labeling changes submitted in connection with this amendment application and not directly related to compliance with PR Notice 93-7 or 93-11 have neither been reviewed nor accepted by the Agency. If you wish to make any such changes, you must submit a separate amendment application proposing them. If your product registration is currently suspended, acceptance of this labeling amendment does not affect the suspension in any way.

A copy of your proposed labeling stamped "Accepted with comments" is attached. Make any required changes described in the attached and send three copies of final labeling as soon as it is available to:

Document Processing Desk (FIN-LABEL)

REGISTRATION CODE 1291-002

PACKAGE SIZE

12 - 1 LB BAGS/CARTON



VENDEX® 50WP

MITICIDE

Water Soluble Bag

ACTIVE INGREDIENTS

BY WEIGHT

Fenbutatin-oxide [ Hexakis (2-methyl-2-phenylpropyl)distannoxane] ..... 50%

INEKT INGREDIENTS ..... 50%

TOTAL .....100%

EPA Reg. No. 352-480

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. Avoid handling the inner bag as moisture will cause breakage.

Do not graze or feed animals on cover crops grown in treated areas. 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

Applicators and other handlers must wear:

- Long-sleeve shirt and long pants.
Waterproof gloves.
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.

ENGINEERING CONTROL STATEMENTS

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR part 170.240 (d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

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 maybe hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwaters.

ACCEPTED with COMMENTS in EPA Letter Dated

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

352-480

**CAREFULLY OPEN ENVELOPE AND IMMEDIATELY DROP THE INNER BAG INTO THE SPRAY TANK. DO NOT OPEN OR HANDLE THE INNER BAG. MOISTURE WILL CAUSE BREAKAGE.**

**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.
- Waterproof gloves.
- Shoes plus socks.
- Protective eyewear.

Do not apply this product through any type of irrigation system. VENDEX 50WP Miticide is recommended for the control of a wide range of plant feeding mites, including strains that are resistant to other miticides. VENDEX 50WP may be applied when honeybees and beneficial mites are present. VENDEX 50WP Miticide 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 [1]**

Crop	Mites Controlled	For Concentrate Spray VENDEX 50WP[2]		For Dilute Spray VENDEX 50WP		Remarks
		Pounds Per Acre	Water Soluble Bags Per Acre	Ozs. Per 100 gals.	Water Soluble Bags Per 400 gals.	
Apples	Apple Rust, Carpini Spider, European Red. McDaniel Spider, Two-Spined Spider	1 to 3	1 to 3	4 to 8	1 to 2	(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 har. est. (4) Do not apply within 14 days of harvest.
Pears	European Red. McDaniel Spider, Pear Rust, Two-Spined Spider	1 to 3	1 to 3	4 to 8	1 to 2	(1) Do not apply more than 600(3) 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, residual control with VenDEX may be reduced when applied with copper or oil. (5) Do not apply within 7 days of harvest
Citrus	Citrus Red, Citrus Rust, Texas Citrus, Two-Spined Spider, Yuma Spider	2 to 4(3)	2 to 4	4 to 8	1 to 2	(1) Do not apply more than 600(3) 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, residual control with VenDEX may be reduced when applied with copper or oil. (5) Do not apply within 7 days of harvest

**BEST AVAILABLE COPY**

**DOSAGE AND CROP RECOMMENDATIONS [1]**

Crop	Mites Controlled	For Concentrate Spray VENDEX 60WP[2]		For Dilute Spray VENDEX 60WP		Remarks
		Pounds Per Acre	Water Soluble Bags Per Acre	Ozs. Per 100 gals.	Water Soluble Bags Per 400 gals.	
Eggplant	Chlorer, Two-Spotted Spider	2 to 4	2 to 4	--	--	(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 to 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	1 to 2.5[4]	8 to 16	2 to 4	(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	1 to 2	4 to 8	1 to 2	(1) Do not apply more than 400 gals. dilute spray per acre (600 gals. for cherries). (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	1.5[4] to 3	4 to 8	1 to 2	(4) Do not apply within 14 days of harvest.
Strawberries	Two-Spotted Spider	1.5 to 2	1.5[4] to 2	12 to 16	3 to 4	(1) Apply in 150-200 gals. 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 assure coverage of top and underside of leaves.
Papaya[5]	Carmine, Citrus Red, Texas Citrus, Broad, Red and Black Flat	--	--	4 to 8	1 to 2	(1) Use only as dilute spray. 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 once per month to bearing trees. Do not apply more than 9 times per season. (4) Do not apply within 7 days of harvest.
Almonds	Pacific Spider, European Red, Two-Spotted Spider, Hickory Spider	1 to 2.5	1 to 2.5[4]	4 to 8	1 to 2	(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					

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Crop	Mites Controlled	For Concentrate Spray VENDEX 50WP[2]		For Dilute Spray VENDEX 50WP		Remarks
		Pounds Per Acre	Water Soluble Bags Per Acre	Oz. Per 100 gals.	Water Soluble Bags Per 400 gals.	
Greenhouse & Outdoor Ornamentals (including nursery stock, flowers and plants grown for propagation purposes)	Spruce Spider <i>Otiungnychus</i> Two-Spotted Spider	--	--	8 to 16	2 to 4	(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-bract). (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.[6]
Established Landscape Ornamentals (Commercial application to established landscape ornamentals including trees, shrubs, flowering ornamentals, bedding plants, annuals, and perennials.)	Two-spotted Spider Clover	--	--	8 to 16	2 to 4	(1) Do not add oil to spray solution. (2) Apply when mites first appear. Repeat as necessary to maintain control. Do not apply more than 4 times per year. (3) Under extreme weather 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.[6]

[1] This product is packaged in WATER SOLUBLE BAGS – drop required number of inner bags – unopened – into the spray tank. Do not handle inner bag; moisture will cause breakage.

[2] For Concentrate Sprays – Adjust the dosage to apply an amount not exceeding that used in a dilute spray.

[3] Do not exceed 4 lb. of VENDEX 50 WP per acre per application.

[4] Fractions are used here for the purpose of conversion only. Do not use partial bags.

[5] Not registered for use in California

[6] *Salix melanostachys* (common willow), *Asplenium bulbiferum* (spleenwort garden fern), *Dryopteris erythrosora* (wood fern), *Cercis canadensis* (common redbud), *Camellia japonica* (red garden camellia), *Peltaea 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).

### 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.

**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 of by use 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:** Completely empty contents of envelope into application equipment. Then dispose of empty envelope in a sanitary landfill, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

### NOTICE OF WARRANTY

Du Pont warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for purposes stated on such label only when used in accordance with 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.

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