

MAY 23 1989

E.I. du Pont de Nemours & Company, Inc.
AG - BMP36-5124
P.O. Box 80038
Wilmington, DE 19880-0038

Attention: R.E. Smith

Gentlemen:

Subject: Addition of Ornamentals
DuPont Vendex[®] 50WP Miticide
EPA Registration No. 352-480
Your Application Dated April 18, 1989

The amendment referred to above, submitted in connection with registration under section 3(c)(7)(A) of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), is acceptable provided that you:

1. Submit/cite all data required for registration/reregistration of your product under FIFRA section 3(c)(5) when the Agency requires all registrants of similar products to submit such data.
2. Make the labeling changes listed below before you release the product for shipment bearing the amended labeling:
 - a. At the next printing of the label, or within 6 months, please delete the "disposal of wastes" sentence under the Environmental Hazards and replace with "Do not contaminate water when disposing of equipment washwaters."
 - b. In the Statement of Practical Treatment, delete "for at least 15 minutes" and replace with "plenty of water."
3. Submit five (5) copies of your final printed labeling before you release the product for shipment.

52828:I:CR-44:244600:Edwards:LE-20:KENCO:05/12/89:05/24/89:aw:gj:vo:jh

CONCURRENCES							
SYMBOL							1 of 6
SURNAME							
DATE							

EPA Form 1320-1 (12-70)

OFFICIAL FILE COPY

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If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

Sincerely yours,

Dennis H. Edwards, Jr.
Product Manager (12)
Insecticide-Rodenticide Branch
Registration Division (H7505C)

Enclosure

20/6

REGISTRATION CODE XXXX-000

PACKAGE SIZE
4 - 1 GALLON JUGS/CARTON



VENDEX[®] 50WP

M/ 2 3 1980

Miticide

Water Soluble Bag

ACTIVE INGREDIENTS

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

INERT INGREDIENTS

EPA Reg. No. 352-480

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

352-480

BY WEIGHT

50%

50%

TOTAL

100%

U.S. Patent No. 3,657,451

KEEP OUT OF REACH OF CHILDREN !

DANGER !

PELIGRO

PRECAUCION AL USUARIO: Si usted no lee ingles, no use este producto hasta que la etiqueta haya sido explicada ampliamente

STATEMENT OF PRACTICAL TREATMENT

If In Eyes: Hold eyelids open and flush with a steady, gentle stream of water for 15 minutes. 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. Wear suitable eye protection, such as goggles or safety glasses with side shields or their equivalent, when handling product. During commercial application or other prolonged exposure, wear goggles. Wear clean protective clothing that covers the body well. 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. Wash thoroughly with soap and water after handling, spraying, and before eating or smoking. Note Reentry Statements Section.

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.

ENVIRONMENTAL HAZARDS

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

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 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. Thorough and complete coverage of foliage and fruit is necessary for optimum mite control.

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.

REENTRY STATEMENTS

Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons.

Do not enter treated fields within 24 hours of application unless long pants and long-sleeved shirt (coveralls), chemical resistant gloves, shoes, and goggles or a face shield are worn.

Because certain states may require more restrictive reentry intervals for various crops treated with this product, consult your State Department of Agriculture for further information.

Written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product. (Indicate specific oral warnings which inform workers of areas or fields that may not be entered without specific protective clothing, period of time field must be vacated and appropriate actions to take in case of accidental exposure.)

When oral warnings are given, warnings shall be given in a language customarily understood by workers. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers.

Written warnings must include the following information: "DANGER! Area treated with VENDEX Miteicide on (date of application). Do not enter without appropriate protective clothing until sprays have dried (insert here actions to take in case of accidental exposure. See STATEMENT OF PRACTICAL TREATMENT for details.)"

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 507		For Dilute Spray VENDEX 50		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-Spotted 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 harvest. (4) Do not apply within 14 days of harvest.
Pears	European Red McDaniel Spider Pear Rust Two-Spotted Spider	1 to 3	1 to 3	4 to 8	1 to 2	(1) Do not apply more than 1600 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 in any 12-month period. Do not apply at less than 60 day intervals. (4) Do not apply within 7 days of harvest.
Citrus	Citrus Red Citrus Rust Texas Citrus Two-Spotted Spider Yuma Spider	2 to 4 ^{1/2}	2 to 4	4 to 8	1 to 2	(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.
Eggplant	Clover Mite Two-Spotted Spider Mite	2 to 4	2 to 4			

DOSAGE AND CROP RECOMMENDATIONS ⁽¹⁾

Crop	Mites Controlled	For Concentrate Spray VENDEX 50 ^W		For Dilute Spray VENDEX 50		Remarks
		Pounds Per Acre	Water Soluble Bags Per Acre	Ozs. Per 100 gals.	Water Soluble Bags Per 400 gals.	
Cucumbers	Two-Spotted Spider	2-4	2-4	-	-	(1) Apply when mites appear. Repeat if necessary to maintain control, but not within 28 days of the initial application. (2) Do not apply more than 3 times per crop season. (3) For thorough and complete coverage, apply to runoff. (4) Do not apply within 1 day of harvest.
Grapes	Pacific Spider European Red Two-Spotted Spider	1 to 2.5	1 to 2.5 ^W	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 ^W to 3	4 to 8	1 to 2	
Strawberries	Two-Spotted Spider	1.5 to 2	1.5 ^W 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.
Papayas ⁽²⁾	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 ^W	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					

DOSAGE AND CROP RECOMMENDATIONS [1]

Crop	Mites Controlled	For Concentrate Spray VENDEX 50 ^[2]		For Dilute Spray VENDEX 50		Remarks
		Pounds Per Acre	Water Soluble Bags Per Acre	Ozs. Per 100 gals.	Water Soluble Bags Per 400 gals.	
Greenhouse & Outdoor Ornamentals (including nursery stock, flowers and plants grown for propagation purposes)	Spruce Spider Olingonychus 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: [4]
Established Landscape Ornamentals (Commercial application to established landscape ornamentals including trees, shrubs, flowering ornamentals, bedding plants, annuals, and perennials.)	Two-spotted Spider Clover Mite	—	—	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: [4] (4) Do not enter without appropriate protective clothing until sprays have dried.

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

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

[6] Not registered for use in California

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: 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 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.

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