



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460
MAR 17 1994

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Joanne Striebich
WILBUR ELLIS CO.
191 W SHAW AVE
FRESNO, CA 93704

Subject: Label Amendment Submission of 11/05/93 in Response to PR Notice 93-7
EPA Reg. No. 2935-499
MILLER'S LV 2,4-D ESTER 6E

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 Soy/Canola Ink on paper that
contains at least 50% recycled fiber

Page 2

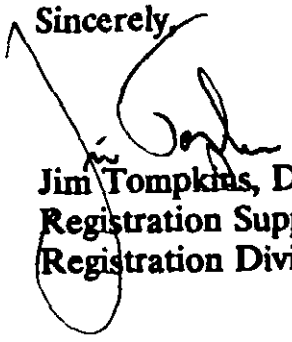
Submit the final printed labeling via the U.S. Postal Service to:

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

WILBUR ELLIS CO.
MILLER'S LV 2,4-D ESTER 6E
2935-499 11/05/93
Original Submission

EPA has determined that a "closed" mechanical transfer system is not required for 2,4-D products. In the personal protective equipment section of your amended labeling, you may revise the statement to read as follows:

CONTAINERS GREATER THAN 1 GALLON BUT LESS THAN 5 GALLONS:

"Mixers and loaders who do not use a mechanical system (probe and pump) to transfer the contents of this container must wear coveralls or a chemical-resistant apron in addition to the other required PPE."

EPA has determined that a "closed" mechanical transfer system is not required for 2,4-D products. In the personal protective equipment section of your amended labeling, you may revise the statement to read as follows:

CONTAINERS 5 GALLONS OR MORE: "A mechanical system (probe and pump) must be used for transferring the contents of this container. If the contents of a non-refillable pesticide container are emptied, the probe must be rinsed before removal. If the mechanical system is used in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4)], the handler PPE requirements may be reduced or modified as specified in the WPS."

Add the following sentence to the paragraph on laundering PPE: "After each day of use, clothing or PPE must not be reused until it has been cleaned." Please refer to the special 2,4-D guidance issued by EPA on September 13, 1993 (page 4) for placement of the sentence.

The following statement on your proposed label is not required for this product: "Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate." You may delete it or leave it on the label.

User Safety Recommendations must either be placed in a box or printed on the label in a contrasting color from surrounding text.

You have incorrect wording in the second-to-last sentence in the first paragraph in the Agricultural Use Requirements box on your proposed label. The sentence must be as follows: "It also contains specific instructions and exceptions pertaining to the statements

Page 4

WILBUR ELLIS CO.
MILLER'S LV 2,4-d ESTER 6E
2935-499 11/05/93
Original Submission

on this label about personal protective equipment (PPE), notification to workers and restricted-entry interval."

You must retain from your original label any statements about entry restrictions that apply to the non-agricultural uses on your product. Create a Non-Agricultural Use Requirements box in the Directions For Use section of your labeling and add the statements: "The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses." Then add to the box the statements that are in brackets [] on your original label. Please refer to the instructions for creating a Non-Agricultural Use Requirements box starting on page 45 of Supplement Three to PR Notice 93-7 (Main Labeling Guidance).

Delete the crossed-out statements on your proposed label. They are redundant statements or phrases.

Correct the typographical errors circled on your proposed label.

SOLVE LV ESTER 6

(6 lbs. 2,4-D acid equivalent per gallon)

For the control of many Broadleaved Weeds and certain Woody Plants

Dandelion	Peppergrass	Tarweed	Wild Morning
Docks	Pigweed	Thistles	Glory,
Fanweed	Plantains	Vetches	and many
Lamb's Quarters	Ragweed	White Top	other
Mallow	Shepherd's Purse	Wild Carrot	broadleaved
Mustards	St. Johnswort	Wild Radish	weeds

Also for...Alder, Elderberry, Hazel, Coastal Sage, Sand Sagebrush, Sunac, Willow, Buckbrush.

A LOW VOLATILE 2,4-D HERBICIDE

ACTIVE INGREDIENT:

*2,4-Dichlorophenoxyacetic Acid, Isooctyl Ester 94.0%

INERT INGREDIENTS 6.0%

Total 100.0%

*2,4-Dichlorophenoxyacetic acid equivalent 62.5%

WEED KILLER

CAUTION - Keep out of reach of children
See right side panel for additional cautions

EPA Reg. No. 2735-499 _____ GALLON(S)

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 2735-499

ACCEPTED
with COMMENTS
MAR 19 1994

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful if swallowed. This product may cause skin irritation. Avoid contact with skin, eyes, and clothing. In case of contact, wash skin with plenty of soap and water; flush eyes with plenty of water for at least 15 minutes and get medical attention. Keep out of reach of children and domestic animals. When mixing, loading, or applying this product or repairing or cleaning equipment used with this product, wear eye protection (face shield or safety glasses), chemical-resistant gloves, long-sleeved shirt, long pants, socks and shoes. For aerial applicators in enclosed cockpits and applicators applying this product from a tractor that has a completely enclosed cab, eye protection is not required. Wash hands, face and arms with soap and water as soon as possible after mixing, loading, or applying this product. Wash hands, face and arms with soap and water before eating, smoking, or drinking. Wash hands and arms before using toilet. After work, remove all clothing and shower using soap and water. Do not reuse clothing worn during the previous day's mixing and loading or application of this product without cleaning first. Clothing must be kept and washed separately from other household laundry. Remove saturated clothing as soon as possible and shower. For containers over 1 gallon and less than 5 gallons in capacity: Persons engaged in open pouring of this product must also wear coveralls or a chemical-resistant apron. For containers of 5 gallons or more in capacity: A mechanical system (probe and pump) must be used for transferring the contents of this container. If the contents of a non-refillable pesticide container are emptied, the probe must be rinsed before removal.

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ENVIRONMENTAL HAZARDS

This product is toxic to aquatic invertebrates. Drift or runoff may adversely affect aquatic invertebrates and nontarget plants. Do not apply directly to water or wetlands (swamps, bogs, marshes, and potholes). Do not contaminate water when disposing of equipment washwaters.

Most cases of groundwater contamination involving phenoxy herbicides such as 2,4-D have been associated with mixing/loading and disposal sites. Caution should be exercised when handling 2,4-D pesticides at such sites to prevent contamination of groundwater supplies. Use of closed systems for mixing or transferring this pesticide will reduce the probability of spills. Placement of the mixing/loading equipment on an impervious pad to contain spills will help prevent groundwater contamination.

Add Copy D

~~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.~~

~~AGRICULTURAL USE REQUIREMENTS~~

~~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 this area during application. 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, restricted entry interval, and notification to workers. For any requirements specific to your State, consult the agency in your State responsible for pesticide regulation.~~

~~RESTRICTED ENTRY INTERVAL (REI) FOR AGRICULTURAL USES OF THIS PRODUCT:~~

~~Small Grains, Sod Farms, Pasture, Rangeland. Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours. 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, wear eye protection (face shield or safety glasses), chemical resistant gloves, coveralls, socks and shoes.~~

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

PLEASE READ ENTIRE LABEL. USE ONLY AS DIRECTED, NOTING ALL CAUTIONS AND WARNINGS.

USE PRECAUTIONS

Do not apply directly to or otherwise permit sprays to come in contact with vegetables, flowers, grapes, fruit trees, cane berries, ornamentals or other desirable plants which are sensitive to 2,4-D and do not permit spray mist to drift onto them, since even minute quantities of the spray may cause severe injury during both growing and dormant periods. Coarse sprays are less likely to drift.

Application by airplane, ground equipment, or hand sprayer should be made only when there is no hazard from drift.

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Do not apply by airplane in the vicinity of grapes or other desirable 2,4-D susceptible plants.

Do not contaminate irrigation ditches or water used for domestic purposes. Excessive amounts of 2,4-D in the soil may temporarily inhibit seed germination or plant growth.

At higher temperatures vaporization may cause injury to susceptible plants growing nearby. Keep container tightly closed when not in use.

Do not use spray equipment for any other purpose. Such equipment should not be used for application of insecticides, fungicides, or other agricultural chemicals.

APPLICATION DIRECTIONS

Applications should be made during warm weather when weeds are well leaved out and growing actively. Repeat applications may be necessary to achieve adequate control. Apply at moderate pressures of from 40 to 60 lbs. DO NOT APPLY BY AIRPLANE IN THE VICINITY OF GRAPES OR OTHER SUSCEPTIBLE CROPS.

MIXING DIRECTIONS

Add half the required amount of water to the spray tank, then add the specified amount of this product with agitation, then add the balance of the water with continued agitation. (Agitation must be continuous to maintain ideal emulsion.)

WARNING: This product forms an emulsion in water--not a solution. The water emulsion tends to separate on standing and for this reason continued agitation is necessary to prevent separation and to maintain a uniform spray mixture.

SPECIFIC DIRECTIONS

WEED CONTROL IN SMALL GRAINS

1. Use 1/2 to 1 lb. actual 2,4-D acid per acre (2/3 to 1 1/3 pt. SOLVE LV ESTER 6 for selective spraying of weeds in Wheat and Barley.
2. Apply in sufficient water (minimum 5 gallons for air application; 10 gallons for ground application) to give uniform coverage of the weeds.
3. The lower rate is suggested only for very susceptible weeds such as Mustard. For resistant weeds, such as Wild Buckwheat and Thistles, use the higher rate.
4. Do not use on grain interplanted with legumes, particularly Alfalfa or Sweet Clover, unless injury to the legume can be tolerated.
5. Spray when grain is 4 to 8 inches high (full tiller stage). When applied prior to tillering and also after the grain has reached the boot stage, injury may result.

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6. Consult State Agriculture Experiment Station Extension Weed Specialists as climate and local conditions may cause the listed recommendations to vary.

7. Do not forage or graze treated grain fields within 2 weeks after treatment with 2,4-D. Do not feed treated straw to livestock.

TURF AND PASTURE WEED CONTROL ...Dandelion, Plantain, Bur Clover

For TURF (excluding sod farms): The maximum number of broadcast applications per treatment site is 2 per year; do not allow people (other than applicator) or pets on treatment area during application; ~~do not enter treatment areas until spray has dried.~~

1. Use 1 to 1 1/3 pints per acre in sufficient water to give uniform coverage.
2. CAUTION--Do not apply on Creeping Grasses, such as Bent, except for spot spraying. Do not apply on newly seeded lawns or pastures until grass is well established. Most legumes are usually damaged or killed. Do not apply to Dichondra or St. Augustine grasses.
3. Do not graze dairy animals on treated areas within 7 days after application. Remove meat animals from freshly treated areas for 3 days before slaughter. Withdrawal is not needed if 2 weeks or more has elapsed since the treatment was applied. Do not cut treated grass for hay within 30 days after application.

WOODY PLANT CONTROL (Rangeland, pastures, along fence rows, ditchbanks, roadsides, paths, around buildings, under power lines, vacant lots and other similar waste areas)

1. Use 4 pt. per 100 gal. of water for such woody plants as Willow, Elderberry, Sumac, Wild Cherry, Wild Grape.
2. Apply as a drenching spray for brush up to 8 feet tall, after foliage is well developed.
3. Make thorough coverage of all parts of the plant, including foliage, shoot stems, and bark.
4. Do not graze dairy animals on treated areas within 7 days after application. Remove meat animals from freshly treated areas for 3 days before slaughter. Withdrawal is not needed if 2 weeks or more has elapsed since the treatment was applied. Do not cut treated grass for hay within 30 days after application.

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STORAGE AND DISPOSAL

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

PESTICIDE DISPOSAL: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate, is a violation of Federal Law and may contaminate groundwater. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

NOTICE: The statements made on this label are believed to be true and accurate, but because of conditions of use which are beyond our control, WILBUR-ELLIS COMPANY does not make, nor does it authorize any agent or representative to make, any warranty, guaranty or representation, expressed or implied, concerning this material or the use thereof, except in conformity with the statements on the label. Neither WILBUR-ELLIS COMPANY nor the seller shall be held responsible in any manner for any personal injury or property damage or loss resulting to the buyer or to the other person from handling, storage or use of this material, not in accordance with directions. The buyer assumes all risk and liability resulting from improper handling, storage or use and accepts and uses this material on these conditions.

Manufactured in U.S.A.

by



P.O. Box 16458 • Fresno, CA 93755

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COPY B

Personal Protective Equipment
Applicators and other handlers must wear:

- A) Long sleeved shirt
- B) Long pants
- C) Chemical-resistant gloves such as Barrier
Laminate, *Nitrile rubber ≥ 14 mils,*
Neoprene rubber ≥ 14 mils, viton ≥ 14
mils.
- D) Shoes plus socks.
- E) Protective eyewear.

Discard clothing and 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.

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COPY D

DIRECTION 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 Protective 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, decontaminations, notification, and emergency assistance. It also contains specific instructions, and exceptions pertaining protective equipment (PPE). 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 workers entry into treated areas during the restricted entry interval (REI) of 12 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:

- A) Coveralls
- B) Chemical resistant gloves such as Barrier laminate, Nitrile rubber ≥ 14 mils, Neoprene rubber ≥ 14 mils, Viton ≥ 14 mils
- C) Shoes plus socks
- D) Protective eyewear

12 7 14

COPY F

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 E on an EPA Chemical resistance category selection chart.

Barrier Laminate

Nitrile Rubber ≥ 14 mils

Neoprene Rubber ≥ 14 mils

Viton ≥ 14 mils

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COPY II**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.
- * Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

COPY J**Engineering Controls 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 170.240 (d) 4-6), the handler PPE requirements may be reduced or modified as specified in the WPS.