

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division

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AGRICULTURE DIVISION
8400 HAWTHORN RD BOX 4913
KANSAS CITY MO 64120

OCT 19 1993

Subject: Label Amendment Submission of 06/29/93
to Comply with WPS Labeling Requirements
EPA Reg Nr. 3125-280
MONITOR 4

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 below and send three copies of final labeling as soon as it is available to:

Document Processing Desk (FIN-LABEL)
Office of Pesticide Programs (H-7504C)
U.S. Environmental Protection Agency
401 M Street, SW
Washington, DC 20460-0001

280-7822.YLD

Base Pre-Reg. (7822)

U.S. LABEL

Reason to Issue: To revise in accordance with Worker Protection Standards, PR Notice 93-7.

Date of Draft: 05/24/93(Pre-Reg)(P)

RESTRICTED USE PESTICIDE

Due to acute dermal toxicity and residue effects on avian species
For retail sale to, and use only by, Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification.

MONITOR[®] 4
Liquid Insecticide

For Effective Insect Control on Cole Crops, Cotton, Potatoes and Sugar Beets

ACTIVE INGREDIENT:

O,S-Dimethyl phosphoramidothioate	40%
INERT INGREDIENTS:	<u>60%</u>
	100%

Contains: 4 lbs. O,S-Dimethyl phosphoramidothioate per gallon
STORE IN COOL DRY PLACE BUT NOT BELOW 15° F. PROTECT FROM HEAT
EPA Reg. No. 3125-280

STOP - READ THE LABEL BEFORE USE

KEEP OUT OF REACH OF CHILDREN

DANGER PELIGRO



POISON

(See Statements of Practical Treatment and other Precautions on Rear Panel)

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.

(If you do not understand the label, find someone to explain it to you in detail.)

~~PRECAUCION AL USUARIO: Si usted no puede leer o entender inglés, no use este producto hasta que la etiqueta le haya sido explicada ampliamente.~~

~~(TO THE USER: If you cannot read or understand English, do not use this product until the label has been fully explained to you.)~~

ACCEPTED
with COMMENTS
in EPA Letter Dated

OCT 19 1993

MILES

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

3125-280

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MONITOR 4 Liquid Insecticide

STATEMENTS OF PRACTICAL TREATMENT

Oral Ingestion

If swallowed, vomiting should be induced. Administer water freely and induce vomiting by giving one dose (1/2 oz. or 15 ml.) of syrup of ipecac. If vomiting does not occur within 10 to 20 minutes, administer second dose. If syrup of ipecac is not available, induce vomiting by sticking finger down throat. Repeat until vomit fluid is clear. Never give anything by mouth to an unconscious person. Have patient lie down and keep quiet. Professional medical assistance should be secured immediately.

If inhaled, remove victim to fresh air. If not breathing give artificial respiration, preferably mouth to mouth. Get medical assistance immediately.

If on skin, in case of contact, remove contaminated clothing and immediately wash with soap and water.

If in eyes, wash with plenty of water for at least 15 minutes. Get medical attention.

ENVIRONMENTAL HAZARDS

This product is extremely toxic to birds and other wildlife. Birds and other wildlife in treated areas may be killed. For terrestrial uses, 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 wastes. This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.

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.

• Chemical-resistant gloves, such as barrier laminate or butyl rubber nitrile or nitrile rubber or neoprene rubber or polyvinyl chloride (PVC) or viton

• Chemical-resistant footwear plus socks

• Protective eyewear

• Chemical-resistant headgear for overhead exposure

Notify workers of the application by warning them orally and by posting warning signs at entrances to treated areas.

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), notification to workers, 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.

Each 48-hour REI is increased to 72 hours in outdoor areas where average rainfall is less than 25 inches a year.

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 over short-sleeved shirt and short pants

IMPORTANT: Read these entire Directions and Conditions of Sale before using MONITOR 4 liquid insecticide.

CONDITIONS OF SALE: THE DIRECTIONS ON THIS LABEL WERE DETERMINED THROUGH RESEARCH TO BE THE DIRECTIONS FOR CORRECT USE OF THIS PRODUCT. THIS PRODUCT HAS BEEN TESTED FOR A RANGE OF WEATHER CONDITIONS SIMILAR TO THOSE WEATHER CONDITIONS THAT ARE ORDINARY AND CUSTOMARY IN THE GEOGRAPHIC AREA WHERE THE PRODUCT IS USED. INSUFFICIENT CONTROL OF PESTS AND/OR INJURY TO THE CROP TO WHICH THE PRODUCT IS APPLIED MAY RESULT FROM THE OCCURRENCE OF EXTRAORDINARY OR UNUSUAL WEATHER, OR FROM FAILURE TO FOLLOW LABEL DIRECTIONS. IN ADDITION, FAILURE TO FOLLOW LABEL DIRECTIONS MAY CAUSE INJURY TO OTHER CROPS, ANIMALS, MAN, OR THE ENVIRONMENT. MILES OFFERS, AND THE BUYER ACCEPTS AND USES, THIS PRODUCT SUBJECT TO THE CONDITIONS THAT EXTRAORDINARY OR UNUSUAL WEATHER, OR FAILURE

DIRECTIONS FOR USE (Continued)

Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

Do not apply when wind speed favors drift beyond the area intended for treatment.

Posting Requirements: This sign is subject to any sign posted in conformity with the Worker Protection Standard. Posting of areas to be chemigated is required when 1) any part of a treated area is within 300 feet of sensitive areas such as residential areas, labor camps, businesses, day care centers, hospitals, in-patient clinics, nursing homes or any public areas such as schools, parks, playgrounds, or other public facilities not including public roads, or 2) when the chemigated area is open to the public such as golf courses or retail greenhouses.

Posting must conform to the following requirements: Treated areas shall be posted with signs at all usual points of entry and along likely routes of approach from the listed sensitive areas. When there are no usual points of entry, signs must be posted in the corners of the treated areas and in any other location affording maximum visibility to sensitive areas. The printed side of the sign should face away from the treated area towards the sensitive area. The signs shall be printed in English. Signs must be posted prior to application and must remain posted until foliage has dried and soil surface water has disappeared. Signs may remain in place indefinitely as long as they are composed of materials to prevent deterioration and maintain legibility for the duration of the posting period.

All words shall consist of letters at least 2-1/2 inches tall, and all letters and the symbol shall be a color which sharply contrasts with their immediate background. At the top of the sign shall be the words KEEP OUT, followed by an octagonal stop sign symbol at least 8 inches in diameter containing the word STOP. Below the symbol shall be the words PESTICIDES IN IRRIGATION WATER.

Posting required for chemigation does not replace other posting and reentry interval requirements for farmworker safety.

Agitation: For application of MONITOR 4 alone, a chemical supply tank is not necessary for premixing since MONITOR 4 mixes well with water in the irrigation line. If a chemical supply tank is used for application of MONITOR 4, constant strong mechanical or hydraulic agitation must be maintained in the chemical supply tank the entire period of application.

Chemical Supply Tank Dilution: If a chemical supply tank is used, you must determine the required amounts of MONITOR 4 and water to mix in the tank.

The amount of MONITOR 4 needed equals the number of pints of MONITOR 4 to be applied per acre multiplied by the number of acres to be chemigated.

The amount of emulsion needed equals the gallons of emulsion delivered per hour by the injection pump multiplied by the number of hours chemigation will take place.

The amount of water needed equals the amount of emulsion needed minus the amount of MONITOR 4 needed.

For example, if you want to apply 2 pints of MONITOR 4 per acre to 130 acres in 20 hours and your injection pump delivers 15 gallons per hour, you need: 2 pints of MONITOR 4 per acre X 130 acres = 260 pints or 32.5 gallons of MONITOR 4. And, you need: 15 gallons per hours X 20 hours = 300 gallons of emulsion, minus 32.5 gallons of MONITOR 4 = 267.5 gallons of water.

Cleaning the Chemical Injection System: In order to accurately apply pesticides, the chemical injection system must be kept clean; free of chemical or fertilizer residues and sediments. Refer to your owners manual or ask your equipment supplier for the cleaning procedure for your injection system.

Flushing the Irrigation System: At the end of the application period, allow time for all lines to flush the pesticide through all nozzles or emitters before turning off irrigation water. To ensure the lines are flushed and free of pesticides, a dye indicator may be injected into the lines to mark the end of the application period.

SPRINKLER IRRIGATION SYSTEMS

All directions and requirements listed under the GENERAL DIRECTIONS AND REQUIREMENTS FOR ALL RECOMMENDED TYPES OF IRRIGATION SYSTEMS section of this label must be followed for sprinkler irrigation systems.

In addition, the following directions apply to sprinkler irrigation systems.

Do not apply when wind speed favors drift beyond the area intended for treatment.

It is recommended that nozzles in the immediate area of control panels, chemical supply tanks, pumps and system safety devices be plugged to prevent chemical contamination of these areas.

Center-Pivot and Automatic-Move Linear Systems: Inject the specified dosage per acre continuously for one complete revolution or more of the system. DO NOT USE END GUNS. The system should be run at maximum speed.

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RECOMMENDED APPLICATIONS			
CROP	INSECT	DOSAGE - Pints MONITOR 4	REMARKS
Celery (Florida only)	Dipterous leafminers	1 to 2 (0.5 to 1.0 lb active)	<p>Apply specified dosage per acre with ground equipment or through sprinkler irrigation systems only. Up to 10 applications may be made per season at 7- to 10-day intervals. Do not apply within 21 days of harvest</p> <p>For application by irrigation systems: Apply specified dosage per acre. Follow all directions given under the CHEMIGATION section of this label.</p> <p>All celery must be trimmed in field and no trimming may be fed to livestock. Treated celery must not be dried for celery flakes.</p>
Potatoes	Aphids Potato tuberworm Cabbage looper Colorado potato beetle (except Long Island, New York) Flea beetles Potato leafhopper Cutworms (Foliage feeding) (Except California) Armyworms (Except California) European corn borer (Except California) Lygus bug (Except California)	1-1/2 to 2	<p>Apply specified dosage (0.75 to 1.0 pound active) per acre. Apply in a 7- to 10-day preventive program or as necessary. Do not apply later than 14 days before harvest.</p> <p>For application by irrigation systems: Apply specified dosage per acre. Follow all directions given under the CHEMIGATION section of this label.</p> <p>Resistance to Colorado potato beetle has occurred in other areas of New York. Consult your local extension service for details.</p>
Sugar beets (Arizona and California)	Green peach aphid	1 to 2	<p>Apply specified dosage per acre as a full coverage spray as needed, allowing 14 days between applications.</p> <p>For application by irrigation systems: Apply specified dosage per acre. Follow all directions given under the CHEMIGATION section of this label.</p> <p>Do not make more than 6 applications per crop season and not within 30 days of harvest. Sprays may be directed to obtain full foliar coverage.</p>
	Beet armyworm	2	

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