



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

JUN 06 1995

Thomas P. Price, Ph.D.
Product Registration Manager
DuPont Agricultural Products
Walker's Mill, Barley Mill Plaza
P.O. Box 80038
Wilmington, DE 19880-0038

Subject: EPA Reg. No. 352-372
Du Pont Vydate™ L Insecticide/Nematicide
EPA Reg. No. 352-532
Du Pont Vydate™ C-LV Insecticide
Final Labeling Reflecting Reduction of Crop Rotation
Interval from 6 months to 4 months and Decrease in
Maximum Seasonal Rate Applied to Onions from 24 ~~Pints~~ *Quarts*
to 18.
Your Submissions Dated May 8, 1995 and June 6, 1995.

Dear Dr. Price:

The Agency is acknowledging receipt of the labels for the above products transmitted in your May 8, 1995 response to the Agency's letter dated April 21, 1995 which approved a reduction in the crop rotation interval from 6 months to 4 months.

The Agency is also acknowledging your June 6, 1995 submission with labels reflecting a decrease in the maximal seasonal rate for onions from 24 quarts (12 lb a.i.) to 9 quarts or 18 pints (4.5 lb a.i.). The change is in accordance with the Agency's review dated March 27, 1992 (CBRS # 8843; DP Barcode 170851) and received in Dr. Charles S. Baer's September 10, 1992 transmittal (OPP Identifier No. 168627).

A copy of the approved stamped labels for EPA Reg. No. 352-372 and EPA Reg. No. 352-532 are attached for your records. You must

300 | 5488340
17 | 6/6/95



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

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also submit a copy of the supplemental labeling for Vydate L for onions (dry bulb only) for the States of Michigan, Oregon, Washington, and Texas to also change the maximal seasonal rate for onions from 24 quarts (12 lb a.i.) to 9 quarts or 18 pints (4.5 lb a.i.) as soon as possible.

If you have any questions, please contact Teung F. Chin of my Team at (703) 305-5412.

Sincerely,



Dennis H. Edwards, Jr.
Product Manager 19
Insecticide-Rodenticides Branch
Registration Division (7505C)

Attachments

352-372.FF5



Vydate® C-LV

insecticide

ACCEPTED
JUN 06 1995
 Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. **352-532**



"..... A Growing Partnership With Nature"

RESTRICTED USE PESTICIDE

Due to Acute Toxicity And Toxicity to Birds and Mammals.

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.



VYDATE® C-LV

INSECTICIDE

WATER SOLUBLE LIQUID

3.77 LBS. ACTIVE INGREDIENT PER GALLON.

ACTIVE INGREDIENT

BY WEIGHT

Oxamyl [Methyl N,N'-dimethyl-N-[(methylcarbamoyl)oxy]-1-thiooxamimidate] 42%

INERT INGREDIENTS 58%

TOTAL 100%

EPA Reg. No. 352-532

EPA Est. No. 352-TX-1

KEEP OUT OF REACH OF CHILDREN

DANGER



POISON

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

This product is an N-Methyl Carbamate insecticide.

IF SWALLOWED -- Call a physician or Poison Control Center. 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 from exposure and have patient lie down and keep quiet. If patient is not breathing, start artificial respiration immediately. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

IN CASE OF CONTACT -- Wash skin with plenty of soap and water; for eyes, flush with water for 15 minutes and get medical attention; remove and wash contaminated clothing before re-use.

ATROPINE IS AN ANTIDOTE - SEEK MEDICAL ATTENTION AT ONCE IN ALL CASES OF SUSPECTED POISONING

If warning symptoms appear (see WARNING SYMPTOMS under PRECAUTIONARY STATEMENTS section), get medical attention.

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

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER-POISON! FATAL IF SWALLOWED OR INHALED. MAY BE FATAL IF ABSORBED THROUGH THE EYES. CAUSES IRREVERSIBLE EYE DAMAGE. MAY BE HARMFUL IF ABSORBED THROUGH THE SKIN. DO NOT BREATHE VAPORS. DO NOT GET IN EYES, ON SKIN, OR ON CLOTHING.

Pilot should not assist in the mixing and loading operation.

WARNING SYMPTOMS -- Oxamyl poisoning produces effects associated with anticholinesterase activity which may include weakness, blurred vision, headache, nausea, abdominal cramps, discomfort in the chest, constriction of pupils, sweating, slow pulse, muscle tremors.

NOTE TO PHYSICIAN

Treatment: Atropine sulfate should be used for treatment. Administer repeated doses, 1.2 to 2.0 mg. intravenously every 10 to 30 minutes until full atropinization is achieved. Maintain atropinization until the patient recovers. Artificial respiration or oxygen may be necessary. Allow no further exposure to any cholinesterase inhibitor until recovery is assured. Do not use morphine or 2-PAM.

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

PRECAUTIONARY STATEMENTS (continued on next page)

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
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 B on an EPA chemical-resistance category selection chart.

Applicators and other handlers must wear:

Coveralls over short-sleeved shirt and short pants.

Chemical-resistant gloves, such as barrier laminate or butyl rubber.

Chemical-resistant footwear plus socks.

Protective eyewear.

Chemical-resistant headgear for overhead exposure.

Chemical-resistant apron when cleaning equipment, mixing, or loading.

A respirator with either an organic vapor-removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G).

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

Human flaggers must be in enclosed cabs.

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.

The enclosed cabs must be used 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.

Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

Remove personal protective equipment immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to aquatic organisms (fish and invertebrates) and extremely toxic to birds. Cover or disc spill areas. Birds in treated areas may be killed. Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Drift and runoff may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwaters.

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 to drift to blooming crops or weeds if bees are visiting the treatment area.

GROUND WATER ADVISORY -- Residues of "VYDATE" C-LV can seep or leach through soil and can contaminate ground water which may be used for drinking. Users are advised not to apply "VYDATE" C-LV where the water table is close to the surface and where soils are very permeable, i.e., well-drained soils such as loamy sands. Local agricultural Agencies can provide information on the soil type in your area and the location of the ground water.

PHYSICAL AND CHEMICAL HAZARDS

Keep container closed. Use with adequate ventilation.

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 over short-sleeved shirt and short pants.
- Chemical-resistant gloves, such as barrier laminate or butyl rubber.
- Chemical-resistant footwear plus socks.
- Protective eyewear.
- Chemical-resistant headgear for overhead exposure.

Du Pont "VYDATE" C-LV Insecticide should be used only in accordance with recommendations on this label or in separate Du Pont recommendations available through local dealers.

Du Pont will not be responsible for losses or damages resulting from use of this product in any manner not specifically recommended by Du Pont. User assumes all risks associated with such non-recommended use.

"VYDATE" C-LV is a water soluble liquid to be diluted with water or mixed with refined vegetable oil for application. Do not plant crops other than cotton, carrots, celery, cucumber, cantaloupe, honeydew melon, watermelon, squash, pumpkin, eggplant, pepper (bell), potatoes, sweet potatoes, tomatoes, peanuts, soybeans or tobacco within 4 months after the last application.

SPRAY PREPARATION

Fill spray tank 1/4 to 1/2 full of water. Add "VYDATE" C-LV directly to tank. Mix thoroughly while adding remaining water. No further agitation is necessary. Spray mix should not be stored overnight in spray tank.

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

60 x 11
Before mixing large quantities of "VYDATE" C-LV in vegetable oil, do a jar test to determine compatibility.

- Mix proper proportions of "VYDATE" C-LV and vegetable oil in a jar, seal and shake mixture. Allow to stand for 1 to 2 hours.
- View jar to determine if crystals have formed.
- If no crystals have formed, no compatibility problems exist with this vegetable oil.
- If crystals have formed, add an equal volume of water to the volume of "VYDATE" C-LV, reduce the volume of vegetable oil in the final mix by the volume of water added.

COTTON

COTTON LEAF PERFORATOR

Apply 8.5 to 34 fluid oz. "VYDATE" C-LV per acre in sufficient refined vegetable oil (minimum 3 pints per acre) or water to obtain thorough coverage. Make initial applications when damaging populations begin to build, and continue on a 6 to 8 day schedule. Do not apply more than 136 fluid oz. (4 lb ai) per acre per growing season.

BOLL WEEVIL, COTTON FLEAHOPPER, AND TARNISHED PLANT BUG

Apply 4.25 to 8.5 fluid oz. "VYDATE" C-LV per acre in sufficient refined vegetable oil (minimum 3 pints per acre) or water to obtain thorough coverage. Begin applications when damaging populations appear and repeat as needed to maintain control. Do not apply more than 85 fluid oz. (2.5 lb ai) per acre per growing season.

When oil-based applications are made, aircraft should be outfitted with a delivery system designed to apply droplets with a VMD of 150 to 220 microns. Swath width should not exceed wingspan plus 10 percent. When using conventional hydraulic nozzle systems, the nozzles should be oriented 90 degrees to the laminar airflow. Equipment should be adjusted to distribute spray uniformly over the spray swath, and wind conditions and other factors such as temperature and humidity should be such that the spray mixture is delivered to the target area. Maintain continuous agitation.

NOTE: Do not apply within 14 days of harvest. Do not graze or feed treated cotton to livestock.

STORAGE AND DISPOSAL

STORAGE: Do not subject to temperatures below 32 degrees F. Store product in original container only, away from other pesticides, fertilizer, food or feed. Not for use or storage in or around the home.

PESTICIDE DISPOSAL: Do not contaminate water, food, or feed by storage or 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 the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Triple rinse (or equivalent) the container. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

NOTICE TO BUYER -- Purchase of this material does not confer any rights under patents of countries outside of the United States.

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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