



306-532

1 of 6

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

APR 21 1995

OFFICE OF  
PREVENTION, PESTICIDES  
AND TOXIC SUBSTANCES

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Wilmington, DE 19880-0038

**SUBJECT: Vydate® L Insecticide/Nematicide**  
EPA Reg. No. 352-372  
**Vydate® C-LV Insecticide**  
EPA Reg. No. 352-532  
**Reduction of Crop Rotation Interval**  
**from 6 Months to 4 Months**  
**Your Submission Dated January 16, 1992**

The Agency is responding to your applications (OPP Identifier Nos. 159753 and 159755, respectively) for an amendment to the above product registrations by reducing the crop rotation interval from six months to four months. The Agency has reviewed the submitted residue data (DU Pont Report No. AMR-1695-90) gathered from three field locations, a related storage stability study, and the draft labels and has reached the following conclusions:

165-1 Confined Rotational Crop Study (MRID 41697902) and Limited Field Rotational Crop Study (MRID 42178201)

The two studies, together, plus metabolism information from the 1985 Registration Standard, provide an adequate understanding of the qualitative nature of the residue in plants. The residues of concern are oxamyl and its oxime metabolite. Residues of oxamyl and its oxime metabolites, expressed as oxamyl equivalent, were detected (LOD = 0.02 ppm) in/on several commodities from the 30-day rotations but not in 120 day rotations in/on all crop commodities from treated test plots in CA and FL. The attached 8/10/94 HED Review (D. Miller to B. Lowery; CBRS Nos. 12016, 1191, 1192, and 1193) concluded that available field rotational trial data indicate that rotational crop tolerances are not required provided that: oxamyl labels specify a 4-month plantback interval; the total season application rate does not exceed 12 lbs ai/A; and the adequacy of the storage stability study for the oxime metabolite.

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17

171-4(e) Storage Stability (MRID 43504901)

The storage stability data indicate that residues of the oxime metabolite are stable under frozen storage conditions for a period of at least 24 months in apples, celery, cottonseed, cucumbers, onions, oranges, peanuts, pineapples, potatoes, soybeans, spearmint, and tomatoes stored at nominal temperatures of -29 to -15 C. The Agency concludes that sufficient data have been provided to support any and all previous magnitude of the residue studies submitted by the registrant for the following crop groupings: (1) oilseeds or nuts; (2) leafy vegetables; (3) root crop vegetables; and (4) fruit or fruiting vegetables (NOTE: oxamyl is not registered for use on the fifth crop group, grains). Refer to additional details in the attached 4/11/95 HED Review (D. Miller to R. Richards; CBRS No. 15005)

The Agency's August 10, 1994 review further states that approval is contingent upon the total season application rate for oxamyl not exceeding 12 lbs ai/A. Your final label must state this restriction for every crop unless the Agency has imposed a more stringent application rate limitation for a particular crop (e.g. apples). Furthermore, your final label must display the Worker Protection Standard language as approved in the Agency's January 14, 1994 letter.

In summary, based on the reviews of the above studies, the amendments referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, are acceptable.

Shipment of your product constitutes acceptance of these conditions. A copy of the submitted label, approved with comments, is enclosed. If you have any questions, please contact Teung F. Chin of my Team, at (703) 305-5412.

Sincerely yours,

DHE

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

Enclosures  
351-372.DN5

HIGHLIGHTED COPY 3/6

**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**

**DRAFT**

REGISTRATION CODE 0991-000

PACKAGE SIZE  
2 - 2.5 GALLON JUGS/CARTON

WATER SOLUBLE LIQUID

3.77 LBS. ACTIVE INGREDIENT PER GALLON.

ACTIVE INGREDIENT

Oxamyl [Methyl NN-dimethyl-N-[(methylcarbamoyl)oxy]-1-thioxamimidate] ..... 42%

BY WEIGHT

INERT INGREDIENTS.....

58%

TOTAL 100%

EPA Reg. No. 352-532

U.S. Pat. 3,658,870

EPA Est. No. 352-TX-1

KEEP OUT OF REACH OF CHILDREN

**DANGER**



**POISON**

**PELIGRO PRECAUCION AL USUARIO** Si usted no lee ingles, no use este producto hasta que la etiqueta haya sido explicado ampliamente.

**STATEMENT OF PRACTICAL TREATMENT**

**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.

ACCEPTED  
with COMMENTS  
in EPA Letter Dated

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**  
(Continued on next page)

APR 21 1995

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

352-532



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. 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 (or oral) warnings must include the following information: "DANGER--POISON. Area treated with 'VYDATE' C-LV on (date of application). Do not enter treated areas for 48 hours after application unless protective clothing is worn. If warning symptoms appear, refer to Statement of Practical Treatment on front panel of 'VYDATE' C-LV label and seek medical attention at once."

If mixing or loading the concentrate with a closed system, a long-sleeve shirt and long-legged pants may be substituted for the protective suit and respirator. Appropriate protective clothing and equipment must still be worn during application, equipment repair, equipment cleaning, early reentry, and disposal.

**WEAR THE FOLLOWING PROTECTIVE CLOTHING AND EQUIPMENT DURING HANDLING, MIXING, LOADING, APPLICATION, AND EQUIPMENT CLEANING, DURING EARLY REENTRY TO TREATED AREAS, AND DURING DISPOSAL OF THE PESTICIDE.**

Wear a protective suit of one or two pieces that covers all parts of the body except the head, hands, and feet. Wear chemical-resistant gloves, chemical-resistant apron, and chemical-resistant shoes, shoe coverings or boots.

Wear goggles or face shield and a pesticide respirator approved by the National Institute for Occupational Safety and Health (NIOSH) and/or the Mine Safety Health Enforcement Administration (MSHA). A chemical-resistant hat or hood must be worn if the application is likely to result in overhead exposure, such as during air blast applications.

During application from a tractor with a completely enclosed cab or aerially with an enclosed cockpit, a long sleeve shirt and long-legged pants may be worn in place of the above protective clothing. Chemical-resistant gloves and an approved respirator must be worn when exiting. Note that this clothing is inadequate to protect you during equipment repair, equipment cleaning, reentry, or during pesticide disposal.

**IMPORTANT!** Always wash hands, face and arms with soap and water before eating, smoking, drinking or toileting.

**AFTER WORK:** Wash gloves with soap and water before removing. Take off all clothing and shoes. Shower using soap and water. Wear only clean clothes. Do not use contaminated clothing. Wash protective clothing and equipment with soap and water after each use; personal and protective clothing worn during use must be laundered separately from household articles. Clothing and protective equipment heavily contaminated or drenched with oxamyl must be destroyed according to state and local regulations.

**HEAVILY CONTAMINATED OR DRENCHED CLOTHING CANNOT BE ADEQUATELY DECONTAMINATED.**

Respirators should be cleaned and cartridges replaced according to instructions included with the respirator. Replace gloves frequently.

**DURING AERIAL APPLICATION, HUMAN FLAGGERS MUST BE IN A TOTALLY ENCLOSED VEHICLE.**

## 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.

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

63

### 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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