

April 27, 1983

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46946-238

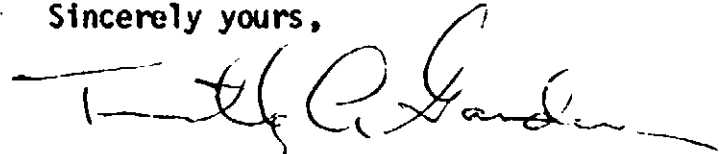
T.H. Agriculture & Nutrition Company
Crop Protection Division
5220 Speaker Road
Kansas City 66106

Dear Mr. Jonh Kennedy

Subject: Dimilin W-25 for Cotton
EPA Reg. No. 46946-238
Your letter of April 26, 1983

Under "Precautionary Statement Environmental Hazards" the change of the statement "Flagmen may not be used for marking the spray swath or pattern" to "Flagmen may not be used for marking the spray swath or pattern unless protected in an enclosed air conditioned vehicle" is acceptable.

Sincerely yours,



Timothy A. Gardner
Product Manager 17
Insecticide/Rodenticide Branch
Registration Division TS-767

RESTRICTED USE PESTICIDE

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.



ACTIVE INGREDIENT:

N-[[[4-Chlorophenyl] amino] carbonyl]-2, 6-difluorobenzamide	25.0%
INERT INGREDIENTS	75.0%
	100.0%

U.S. Patent Numbers 3,748,356, 3,933,903, 3,989,842, 4,013,717, 4,110,469 and other patents pending.

A RESEARCH DISCOVERY OF DUPHAR B.V. AMSTERDAM HOLLAND

Keep Out of Reach of Children

CAUTION

See side/back panels for additional precautionary statements.

EPA Reg. No. 37100-8

EPA Est. No.

NET WEIGHT

POUNDS (

kilograms)

duphar

Crop Protection Division, Inc.
Apollon 151
1077 AR Amsterdam, Holland

ACCEPTED
MAR 15 1983

MAR 15 1983

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original

Cotton leafperforator: To control cotton leafperforator, apply one-eighth to one pound of Dimilin W-25 per acre in sufficient water volume to provide uniform coverage to foliage. **Aerial application:** apply in one to five gallons of water. **Ground application:** apply in five to thirty gallons of water per acre. Begin treatment when larvae appear on leaves and when foliar feeding becomes evident, normally at the 3rd to 4th larval stage. Repeat applications at five to seven day intervals and continue as long as feeding is evident. Do not apply after bolls have opened.

SOYBEANS To control velvetbean caterpillar and green cloverworm, apply DIMILIN 25W at the rate of 2-4 ounces (1/4 to 1/2 pound) per acre. Make application when larvae are small (first - third instars) to give greater control and minimum insect damage to leaves. Repeat application if damaging numbers reappear.

Consult local Extension Service regarding infestation levels requiring treatment

Aerial Application - Apply recommended amount of DIMILIN 25W in sufficient water (1-3 gallons per acre) to achieve uniform coverage of foliage

Ground Application - Apply recommended amount of DIMILIN 25W in 8-35 gallons of water per acre to give uniform coverage

Do not make more than two applications per season. Do not apply within 21 days of harvest. Do not cut for hay nor allow milk or meat animals to graze treated fields

DIMILIN inhibits the moulting process of larvae, therefore it does not provide immediate kill. From 3 to 5 days may be required before populations are reduced

Do not rotate crops other than soybeans until six (6) months following last application

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS
CAUTION**

Harmful if swallowed. Avoid breathing of dust. Avoid contact with eyes or skin

Wear one piece overalls which have long sleeves and long pants constructed of finely woven fabric as specified in the USDA-EPA Guide for Commercial Applicators during mixing, loading or application of DIMILIN. Remove contaminated clothing and wash before reuse

Wear a pesticide respirator jointly approved by the Mining Enforcement and Safety Administration (formerly the U.S. Bureau of Mines) and by the National Institute for Occupational Safety and Health while mixing, loading, or making ground application of DIMILIN

Avoid contamination of feed and foodstuffs

ENVIRONMENTAL HAZARDS

Do not apply to lakes, streams, or ponds, or apply this product in the gulf states within the coastal zone. This zone includes: 1. The areas between the coastline and a parallel line 3 miles from the coastline, including any bays and estuaries which are contiguous to the sea; 2. The area within 3 miles of tidally influenced waters including coastal saline marshes and rivers

Do not apply when weather conditions favor drift from target area. Do not apply DIMILIN near any person or dwelling. It is recommended that the product be applied at least 300 feet from dwellings when they are downwind. Flagmen may not be used for marking the spray swath or pattern. Do not enter treated field until the day following application or the spray deposit has dried. Do not contaminate water by cleaning of equipment or disposal of wastes. Do not graze or feed treated forage

STORAGE AND DISPOSAL

Prohibitions Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited

Pesticide Disposal Pesticide, spray mixture, or residue not used should be disposed of in a landfill approved for pesticides.

Container Disposal Dispose of in an incinerator or landfill approved for pesticide containers.

General Consult federal, state or local disposal authorities for approved alternative procedures.

IMPORTANT NOTICE — Seller warrants that this product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with the directions and instructions specified on the label under normal conditions of use, but neither this warranty nor any other warranty of merchantability or fitness for a particular purpose, express or implied, extends to the use of this product, contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to seller, and buyer assumes the risk of any such use.

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DIRECTIONS FOR USE

IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABELING.

COTTON: To control boll weevil through reproduction suppression, apply $1/4$ to $1/2$ pound of DIMILIN 25W per acre per treatment in combination with 2 to 4 quarts of emulsifiable paraffinic crop oil, such as DIMOIL™ with water, or 2 quarts of vegetable oil such as once refined cottonseed oil, without water.

MIXING AND APPLICATION**Paraffinic oil use:**

1. Fill tank with $1/2$ the required water.
2. Begin agitation and add required amount of Dimilin.
3. Continue agitation while adding remainder of water.
4. Add proper quantity of oil slowly.

To avoid formation of an invert emulsion use at least 2 parts water for each part oil.

For aerial application apply in 2 to 3 gallons total volume per acre. For ground application apply in 5 to 30 gallons of water per acre to give uniform coverage.

Vegetable oil use:

1. Prepare slurry. In a container outside the spray tank prepare a slurry in the proportion of 5 pounds Dimilin to 1 gallon of oil. Mix until smooth.
2. Slowly add slurry to spray tank containing balance of oil, using vigorous agitation.
3. Do not dilute with water.

Spray should be applied with aerial or ground equipment designed or modified to insure full uniform coverage of the entire plant. Equipment adjusted to provide droplets with a diameter of 150-220 microns is recommended. Provide agitation prior to, during, and after blending and while applying.

For maximum control of weevil reproduction, make first application at pin-head square stage of cotton growth when overwintering weevils are entering the fields. Repeat treatments should allow at least 5 to 7 day intervals between applications. Do not make more than six applications and do not apply more than 1 1/2 pounds of DIMILIN 25W per acre during one growing season. Do not apply after bolls begin to open. Do not rotate crops other than cotton or soybeans until six (6) months following last application of Dimilin.

DIMILIN does not kill the adult weevils, however, eggs deposited by treated female weevils will not hatch, thus limiting reproduction. The control of egg hatch and larval development within the square prevents shedding and will allow normal boll development. After initial contact, 7-10 days are required before mature eggs are laid.

In use for boll weevil control, DIMILIN allows normal build-up of beneficial insects which may aid in control of bollworm and budworm. Emulsifiable concentrate insecticide formulations used in tank mixes, in the presence of oil, may result in phytotoxicity. Care should be taken where such mixtures are used.

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