

Hopkins 4%
EPN Granules
EPA Reg. No.
2393-232
Feb. 6, 1983
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Hopkins

4% EPN GRANULES

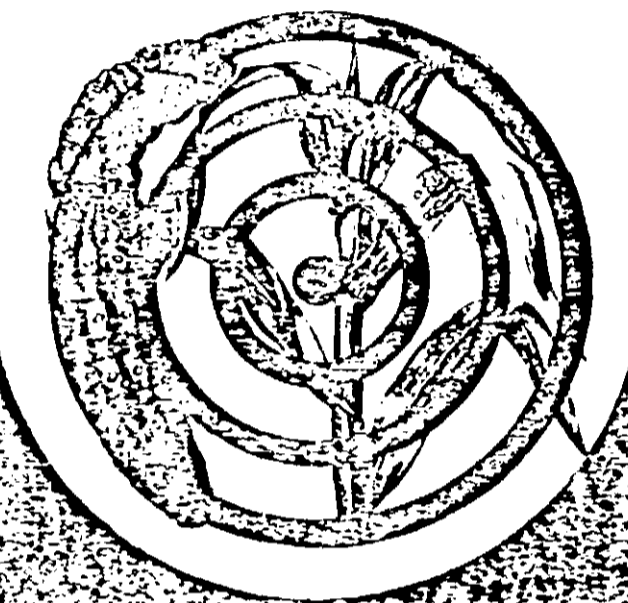
An Insecticide for the Control of European
Corn Borer

ACCEPTED
w/ COMMENTS
EPA Letter Dated

FOR AGRICULTURAL USE ONLY

FEB 24 1984

U.S. Department of Health,
Education and Welfare
Environmental Protection Agency
Washington, D.C. 20460
EPA Reg. No.
2393-232



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ACTIVE INGREDIENT	4.0%
Diethyl (2-methylphenyl) dimethyl phosphonate	4.0%
INERT INGREDIENTS	96.0%
TOTAL	100.0%

KEEP OUT OF REACH OF CHILDREN

WARNING

NOT FOR USE OR STORAGE IN OR AROUND THE HOME

See label for Statement of Practical Treatment and
Additional Precautionary Statements



Hopkins

agricultural chemicals

Control of European Corn Borer

NET WEIGHT

50 POUNDS
(22.68 kg)

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STATEMENTS OF PRACTICAL TREATMENTS

If swallowed: Drink one or two glasses of water and induce vomiting by touching back of throat with finger or blunt object. If available, use syrup of ipecac to induce vomiting. Do not induce vomiting or give anything by mouth to an unconscious person. Get medical attention immediately.

If inhaled: Remove from exposure. Have patient lie down and keep quiet. If patient is not breathing, start artificial respiration immediately. Get medical attention.

If on skin: Immediately remove all contaminated clothing and wash skin thoroughly with soap and warm water. Get medical attention for suspect symptoms.

If in eyes: Immediately flush with water for at least 15 minutes. Get medical attention for irritation or suspect symptoms.

General: Atropine is an antidote. Consult a physician for an emergency supply of 1/100 grain atropine tablets. Call a physician at once in all cases of suspected poisoning and administer atropine only as recommended by a physician. NEVER use atropine to prevent toxic symptoms, as subsequent poisoning may be more serious if it occurs.

If warning symptoms appear (see Warning Symptoms below), under direction of physician immediately swallow two atropine tablets (each 1/100 gr.); thereafter, every 10 to 15 minutes take one atropine tablet (1/100 gr.) until throat becomes dry and skin becomes dry and flushed. Take additional tablets as necessary to maintain a moderately dry throat and dry, flushed skin until physician is in attendance.

NOTE TO PHYSICIAN

Warning Symptoms: EPN 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.

Treatment: Atropine sulfate should be used for treatment. Administer repeated doses, 1.2 to 2.0 mg intravenously (IV) 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. 2-PAM may be used to supplement the atropine sulfate treatment. Do not use morphine.

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS WARNING

May be fatal if swallowed, inhaled or absorbed through skin. Do not get in eyes, on skin or on clothing. Do not breathe dust. Do not contaminate feed and foodstuffs.

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PROTECTIVE CLOTHING REQUIRED
Wear clean protective clothing, goggles, and respirator approved by NIOSH or the American National Standards Institute when applying or handling, or when reentering fields within (at least 24) hours of treatment. The following protective clothing must be worn: lightweight, unlined, natural rubber gloves at least mid-forearm in length; cap, hat or hood; a protective suit or coveralls covering the body from ankles to wrists; lightweight, unlined, natural rubber boots, at least mid-calf in length; full-face respirators are recommended; half-face respirators are required. Aerial applicators in positive pressure cockpits and other applicators in comparable ground equipment with appropriate filters at all air intakes need not comply with these protective clothing requirements.

WORK SAFETY RULES

Keep all unprotected persons and children away from treated area or where there is danger of drift.

Do not rub eyes or mouth with hands. If you feel sore in any way STOP work and get help right away. Call a doctor (physician) or go to hospital immediately. Explain that the victim has been exposed to EPN and describe his condition. After first aid is given (see state health department) and if a doctor cannot come, take victim to clinic or hospital.

IMPORTANT! Before removing gloves, wash them with soap and water. Always wash hands, face and arms with soap and water before smoking, eating or drinking.

AFTER WORK Take off all work clothes and shoes. Shower using soap and water. Wear clean clothes when leaving job. Do not wear or handle treated clothing. Wash protective clothing and decontaminate with soap and water after each use. Respirators should be cleaned and repaired according to instructions included with respirator.

ENVIRONMENTAL HAZARDS

This product is toxic to fish and wildlife. Keep out of any body of water. Birds feeding on treated areas may be killed. Do not apply when weather conditions favor drift from areas treated. Do not apply where runoff is likely to occur. 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 crops. Protective information may be obtained from your Cooperative Agricultural Extension Service.

DO NOT ALLOW THIS MATERIAL TO DRIFT ONTO NEIGHBORING CROPS OR NON-CROP AREAS OR USE IN A MANNER OR AT A TIME OTHER THAN IN ACCORDANCE WITH LABEL DIRECTIONS BECAUSE ANIMAL, PLANT OR CROP INJURY, ILLEGAL RESIDUES OR OTHER UNDESIRABLE RESULTS MAY OCCUR.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

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Directions For Use (Cont.)

Human flagger prohibited unless in totally enclosed vehicles.

Do not apply within 14 days of harvest or feeding to livestock.

Do not apply this product when weather conditions favor drift from treated areas.

Apply at the rate of 10-12½ pounds per acre. Use standard aerial or ground granular insecticide application equipment.

FOR THE CONTROL OF EUROPEAN CORN BORER

FIELD CORN: Apply 10 days after eggs first hatch or when 75% of the plants show evidence of feeding in leaf whorls. Repeat 7 to 10 days later if new evidence of leaf feeding is present. For control of second brood borers, apply when eggs begin to hatch.

CORN GROWN FOR SEED: Apply when 25% of the plants show first brood whorl feeding. Repeat in 7 days if feeding continues. Treat for second brood at pollen shedding time and while the plants are still in the green silk stage.

SWEET CORN: Make first application when 25% of the plants show evidence of leaf feeding and continue at 5 day intervals as long as leaf feeding is evident. From one to three treatments may be required. For control of second brood borers, apply when eggs begin to hatch.

RE-ENTRY: Workers entering treated fields within 24 hours must wear protective clothing.

STORAGE AND DISPOSAL

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

Storage: Do not store in or around the home. Store in a cool, dry place in original container. Protect from excessive heat. Once opened, do not store bag for prolonged period. In case of puncture, use overslip bag and securely close.

Pesticide Disposal: Wastes resulting from the use of this product may be disposed of on site, or at an approved waste disposal facility.

Container Disposal: Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

NOTICE OF WARRANTY

Seller makes no warranty, express or implied, concerning the use of this product other than indicated on the label. Buyer assumes all risk of use and/or handling of this material when such use and/or handling is contrary to label instructions.

EPA Reg No 2393-232
EPA Est No 2393-IL-3^A, 2393-WI-1^B,
523-IL-1^C, 2393-WI-2^D, 33509 MO-1^E
Superscript refers to first letter of lot number.

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FEB 14 1984

Ms. Judith A. Thompson
Hopkins Agricultural Chemical Company
P.O. Box 7532
Madison, WI 53707

Dear Ms. Thompson:

Subject: Application for Amended Registration
Hopkins 2% EPN Granules
EPA Registration No. 2393-219
Hopkins 4% EPN Granules
EPA Registration No. 2393-232
Your Letter of February 8, 1984

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. A stamped copy is enclosed for your records.

However, before you release these products for shipment, you must submit Final Prints incorporating the following Changes:

- a. Add the statement "For aerial applications, flagging must be by fully automated mechanical means or by humans working in totally enclosed vehicles."
- b. Revise the "Environmental Hazards" section of the label (regarding bees) to read:

This product is highly toxic to bees exposed to direct treatment or residue on blooming crops and weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.

- c. Under the "Use Directions" section of the label, add the statement "Do not apply to corn during the pollenshed period if bees are visiting the treatment area."

Sincerely yours,

Jay S. Ellenberger
Product Manager (12)
Insecticide-Rodenticide Branch
Registration Division (TS-767)

Enclosure

ID/IPB/DCE-28476; J. Ellenberger: SLD; Raven: 557-2226; RD-7: 2/21/84; Del. 3/8/84

SYMBOL ▶							
SURNAME ▶							
DATE ▶							