

Reg # 34704-710

PM-14

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

DEC 20 1993

5441942 ³⁰⁰
OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

Platte Chemical Co.
P.O. Box 667
Greeley, CO 80632

Gentlemen/Madame:

Subject: Holdem Insecticide-Nematicide
EPA Registration No. 34704-710
Labeling Submitted April 30, 1993

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

It is understood that the word "POISON" appears on the finished label in red on a contrasting background.

This labeling does not bear the required Worker Protection statements as outlined in PR Notices 93-7 and 93-1. The new protective language required in these Notices must be incorporated into this label for any shipments released after the deadlines that have been established. You may opt to do so immediately if you are electing the self-verification option, or after acceptance by the special Agency Worker Protection Standard review group. Finished printed labels must be submitted after acceptance by the WPS group and in accordance with their instructions.

Sincerely yours,

Robert A. Forrest
Product Manager (14)
Insecticide-Rodenticide Branch
Registration Division (7504C)

RESTRICTED USE PESTICIDE

DUE TO ACUTE ORAL, DERMAL AND INHALATION TOXICITY; EYE ABSORPTION; AND AVIAN HAZARDS.
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.

ACCEPTED
with COMMENTS
in EPA Letter Dated

DEC 20 1993

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

34704-710



Insecticide-Nematicide

ACTIVE INGREDIENTS:

Ethoprop (O-Ethyl S,S-Dipropyl Phosphorodithioate)	10.0%
Phorate (O,O-diethyl S-[(ethylthio) methyl] phosphorodithioate)	10.0%
INERT INGREDIENTS:	80.0%

TOTAL 100.0%

KEEP OUT OF REACH OF CHILDREN

DANGER  **PELIGRO**
POISON

PRECAUCION AL USUARIO: Si usted no lee ingles, no use este producto hasta que la etiqueta le haya sido explicada completamente.

See Below For Antidote and Other Precautions.

NOT FOR USE OR STORAGE IN OR AROUND THE HOME.

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EPA EST. NO. 34704-NB-1

NET WEIGHT 50 LBS. (22.68 KG)

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PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER

Fatal if swallowed, inhaled, or absorbed through the skin or eyes. DO NOT get in eyes, on skin, or on clothing. Rapidly absorbed through skin. Repeated inhalation or skin contact may, without symptoms, progressively increase susceptibility to poisoning. DO NOT BREATHE DUST.

DO NOT CONTAMINATE FOOD OR FEED PRODUCTS. Once a bag has been opened, use it completely. Make sure that the hoppers of equipment are emptied while still in the field. Keep all unprotected persons out of operating areas.

KEEP OUT OF REACH OF DOMESTIC ANIMALS.

SYMPTOMS OF POISONING: Nausea, vomiting, abdominal cramps, diarrhea, excessive salivation, headache, dizziness, weakness, blurring or dimness of vision, excessive tearing, loss of muscular coordination, slurring of speech, twitching of muscles (especially of tongue and eyelids), mental confusion, disorientation, drowsiness, difficulty in breathing (chest tightness), runny nose.

CALL A PHYSICIAN AT ONCE IN ALL CASES OF SUSPECTED POISONING.

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Give 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. Call a physician, Poison Control Center, or hospital emergency room. If not breathing, give mouth to mouth artificial respiration.

IN CASE OF SKIN CONTACT: Immediately remove all contaminated clothing, and wash skin with soap and water. Wash clothing before reuse. Discard contaminated shoes.

FOR EYES: Flush with plenty of water for at least 15 minutes. Call a physician immediately in all cases of suspected poisoning.

IF INHALED: Remove to fresh air. If not breathing give artificial respiration, preferably mouth-to-mouth. Get medical attention immediately.

Persons providing first aid should prevent contamination of themselves.

NOTE TO PHYSICIAN: This product is a cholinesterase inhibitor. Severe symptoms and signs include diarrhea, pinpoint and non-reactive pupils, respiratory difficulty, pulmonary edema, cyanosis, loss of sphincter control, convulsions, and coma.

Support respiration as needed. Measures should include removal of secretions, maintenance of a patent airway, and if necessary, artificial ventilation.

If cyanosis is absent, give ATROPINE 2-4 mg intravenously (0.05 mg/kg for children). Repeat ATROPINE at 5-10 minute intervals until atropinization occurs (dry, flushed skin, tachycardia, pupillary dilatation), and maintain for 48 hours. If cyanotic, give initial ATROPINE intramuscularly and start measures to improve ventilation.

Start 2-PAM (PROTOPAM, Ayerst) at the same time. Give 1-2 grams PROTOPAM (20-40 mg/kg for children) in 100cc saline over 15-30 minutes. If pulmonary edema is present, give intravenously slowly as a 5% solution in water over a period of at least 5 minutes.

A second dose may be given after one hour if muscle weakness persists. Additional doses may be given cautiously for persistent muscle weakness. May be given by intramuscular or subcutaneous routes if intravenous administration is not feasible.

In case of skin contact wash patient with soap and water followed by wash with 65% ethyl alcohol. Keep patient under constant observation for 24-30 hours. Symptoms may persist for one month.

The use of theophylline, morphine, barbiturates, phenothiazines, reserpine, and succinyl choline is contraindicated.

Allow no further exposure to any cholinesterase inhibitor until cholinesterase regeneration has taken place as determined by blood tests.

ENVIRONMENTAL HAZARDS

This pesticide is extremely toxic to mammals, birds, fish and aquatic invertebrates. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Runoff may be hazardous to aquatic organisms in neighboring areas. Collect and incorporate granules that are spilled during loading or are visible on soil surface in turn areas. Do not contaminate water when disposing of equipment washwater or rinsate. The pesticide is toxic to bees exposed to direct application. Applications should be timed to coincide with periods of minimum bee activity, usually between late evening and early morning.

PERSONAL PROTECTIVE EQUIPMENT

WEAR THE FOLLOWING PROTECTIVE CLOTHING DURING LOADING, APPLICATION, EQUIPMENT REPAIR/CLEANING, AND DISPOSAL OF THE PESTICIDE. A protective suit of one or two pieces covering all parts of the body except head, hands, and feet; chemical resistant gloves; chemical resistant shoes, shoe covering, or boots.

Unless a chemical resistant protective suit is otherwise required, mixers/loaders must wear a chemical resistant apron and goggles or a face shield.

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 under the provisions of 30 CFR Part 11 for organic phosphate protection. While emptying bags into equipment, pour downwind and allow as little free fall as possible. Do not pour at face level.

IF APPLICATION IS PERFORMED USING AN ENCLOSED CAB, THE FOLLOWING PROTECTIVE CLOTHING AND EQUIPMENT MAY BE WORN AS AN ALTERNATE: Long-sleeved shirt and long legged pants; shoes and socks. Chemical resistant gloves must be available in the cab and must be worn when exiting. This clothing is inadequate to protect you during equipment repair or cleaning, reentry, or pesticide disposal work. Do not allow contaminated clothing to come in contact with the insides of the cab.

IMPORTANT! If pesticide comes in contact with skin, wash off with soap and water. Always wash hands, face, and arms with soap and water before smoking, eating, drinking, or using the toilet.

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EPA REG. NO. 34704-710

AFTER WORK Before removing gloves, wash them with soap and water. Take off all work clothes and shoes. Shower using soap and water. Wear clean clothes. Do not reuse contaminated clothing. Personal clothing worn during work must be laundered separately from household articles. Store protective clothing separately from personal clothing. Clean or launder protective clothing after each use. Clothing and protection equipment heavily contaminated must be destroyed according to state and local regulations. **HEAVILY CONTAMINATED CLOTHING CANNOT BE ADEQUATELY DECONTAMINATED.**

WORK SAFETY RULES

REPEATED EXPOSURES TO CHOLINESTERASE INHIBITORS SUCH AS ARE CONTAINED IN THIS PRODUCT MAY, WITHOUT WARNING, CAUSE PROLONGED SUSCEPTIBILITY TO VERY SMALL DOSES OF ANY CHOLINESTERASE INHIBITOR.

Persons working with this product should have frequent blood tests of their cholinesterase levels. If the cholinesterase level falls below a critical point, no further exposure should be allowed until it has been determined by means of blood tests that the cholinesterase level has returned to normal. Before using this product consult the National Pesticide Telecommunications Network for recommendations regarding such blood tests, poisoning management, emergency treatment, and other information regarding the toxicity of phorate. The toll free number for the National Pesticide Telecommunication Network is 1-800-858-7378.

If handled indoors provide mechanical exhaust ventilation.

Keep all unprotected persons, children, livestock, and pets away from treated areas or where there is danger of drift.

Do not rub eyes or mouth with hands. If you feel sick in any way, STOP work and get help right away. See First Aid (Practical Treatment) section.

DIRECTIONS FOR USE

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

IMPORTANT! Read precautionary statements before using this product.

Do not apply this product in such a manner as to directly or through drift expose workers or other persons.

The area being treated must be vacated by unprotected persons. This product should be applied with a granular pesticide applicator properly calibrated to assure accurate placement and proper dosage.

REENTRY STATEMENT

After dusts have settled, do not enter or allow entry into the treated area until the 48 hour reentry interval has expired, unless the person entering the treated area is wearing the personal protective equipment listed below for early reentry.

For early reentry into treated areas wear a protective suit of one or two pieces covering all parts of the body except head, hands, and feet; chemical-resistant gloves and chemical resistant shoes, shoe coverings, or boots. Because certain states may require more restrictive reentry intervals for various crops treated with this product consult your State Department of Agriculture for further information.

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. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers. When oral warnings are given, warnings shall be given in a language customarily understood by workers.

Written or oral warnings must include the following information:

DANGER

(Insert area or field description) treated with phorate and ethoprop on (insert date of application). Do not enter treated areas for 48 hours unless appropriate protective clothing, goggles and gloves are worn.

In case of accidental exposure: Call a doctor (physician), clinic or hospital immediately. Explain that the victim has been exposed to phorate and ethoprop and describe his condition. For further information see the "STATEMENT OF PRACTICAL TREATMENT" portion of the pesticide label.

STORAGE AND DISPOSAL

PROHIBITIONS: Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited. Do not reuse empty container. Do not store under conditions which might adversely affect the container or its ability to function properly. Such conditions include, but are not limited to, positioning of the container in storage, storage temperature, potential for crushing or damage due to stacking, and penetration of moisture.

STORAGE: Store in safe container. Store in original container only. Store in cool, dry place. Keep container tightly closed when not in use. Once a bag has been opened, use it completely. Reduce stacking height where local conditions, such as humidity or pallet overhang, can affect package strength. Personnel should use clothing and equipment listed under "PRECAUTIONARY STATEMENTS" when handling open containers.

SPILLED MATERIAL: Block to prevent spreading of spill. Scoop and sweep into a disposable container, whether it occurs indoors, or in the field.

PESTICIDE 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: 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.

CORN (Field, Sweet): May be used in corn grown for grain or silage.

BAND AT PLANTING APPLICATION: For the control or suppression of certain insects, apply the following rates per 1,000 linear feet of row:
6 to 10 ounces - control of corn rootworm.
8 to 8 ounces - control of wireworm, seedcorn maggot, seedcorn beetle, flea beetle and chinch bug nymphs.
10 ounces - for the suppression of certain nematode species.

Apply as a 6 inch band at planting. Incorporate into the top one half to one inch of soil by making application ahead of the press wheel or behind the press wheel and dragging a short length of chain behind the press wheel. Do NOT apply in-furrow or allow granules to come in direct contact with the seed. Nematode species suppressed: Dagger (*Xiphinema* spp), Lesion (*Pratylenchus* spp), Rootknot (*Meloidogyne* hapla, *M. incognita*), Lance (*Hoplotaimus* spp), Spiral (*Helicotylenchus* spp, *Rotylenchus* spp), Sting (*Beloitaimus* spp), Ring (*Cricomeletia ornata*), Stunt (*Tylenchorhynchus* spp) and Stubby-root (*Paratrichodorus* spp).

BAND AT CULTIVATION APPLICATION: For the control of corn rootworm larvae apply 8 ounces per 1,000 linear feet of row. Cover the treated band with 2 to 3 inches of soil by making application immediately ahead of disc tillers or cultivation equipment. Make application in May or June when activity of rootworm larvae is first observed. Do not apply within 45 days of harvest nor feed or graze livestock within 30 days of treatment.

The minimum row spacing allowed for corn is 30 inches.

NOTE: Do not apply this product more than twice per season.

NOTICE

PLATTE WARFANTS THAT THIS PRODUCT CONFORMS TO THE CHEMICAL DESCRIPTION ON THE LABEL THEREOF AND IS REASONABLY FIT FOR 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 PLATTE. IN NO CASE SHALL PLATTE 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. EXCEPT AS EXPRESSLY PROVIDED HEREIN, PLATTE MAKES NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND, EITHER EXPRESSED OR IMPLIED, OR BY USAGE OF TRADE, STATUTORY OR OTHERWISE, WITH REGARD TO THE PRODUCT SOLD, INCLUDING, BUT NOT LIMITED TO, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, USE OR ELIGIBILITY OF THE PRODUCT FOR ANY PARTICULAR TRADE USAGE.

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FORMULATED FOR
PLATTE CHEMICAL CO.

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