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APR 28 1992

Platte Chemical Company
419 18th Street
P.O. Box 667
Greeley, CO 80632

Gentlemen:

Subject: Clean Crop Phorate 20G
EPA Registration No. 34704-259
Your Labeling and Acute Inhalation Study Submitted
In Response to Phorate Reregistration Standard

The labeling referred to above, submitted in connection with registration of FIFRA, is acceptable, provided that you:

- Submit five (5) copies of your final printed labeling incorporating the following corrections before you release the product for shipment.

Based on results of your acute inhalation study, the following label corrections are required:

1. Revise the restricted use classification statement, "due to acute oral and dermal toxicity and avian hazards" to read as follows:

Due to acute oral, dermal and inhalation toxicity and avian hazards.

2. Add the following to the human precautionary statements:

Do not breath dust. Wear pesticide respirator prescribed by Mining Safety and Health Administration and NIOSH.

63602:I:Mautz:WP14-1:KEVR1C:04/21/92:05/17/92:dd

CONCURRENCES

| | | | | | | | | |
|---------|--|--|--|--|--|--|--|--|
| SYMBOL | | | | | | | | |
| SURNAME | | | | | | | | |
| DATE | | | | | | | | |

- 3. Due to the recent change in the Agency's definition of wetlands, the environmental hazard label statement:

Do to apply directly to water or wetlands
(swamps, bogs, marshes, and potholes)"

must be revised to read as follows:

Do not apply directly to water, to areas where
surface water is present or intertidal areas
below the high water mark."

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

The "Supplemental Labeling" for potatoes which was received with your subject labeling is not included as part of your stamped, accepted label for the product as it is identical to the direction for use on potatoes which appears on your basic label. What is the purpose of the "Supplemental Labeling?"

Sincerely yours,

Robert A. Forrest
Product Manager (14)
Insecticide-Rodenticide Branch
Registration Division (H7505C)

RESTRICTED USE CLASSIFICATION

Due to acute oral and dermal toxicity 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 Date

APR 28 1992

Under the
Fungicide,
as amended
registeral

Federal Insecticide,
and Rodenticide Act
for the Pesticide
under EPA Reg. No.
34704-259

CLEAN CROP

PHORATE 20 G

ACTIVE INGREDIENT:

| | |
|--------------------------------------------------------------------|---------------|
| Phorate: O,O-diethyl S-[(ethythio) methyl] phosporodithioate | 20.0% |
| INERT INGREDIENTS: | 80.0% |
| TOTAL | 100.0% |

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 le haya sido explicada ampliamente.

See Below For Antidote and Other Precautions.

NOT FOR USE OR STORAGE IN OR AROUND THE HOME

EPA REG. NO. 34704-259

EPA EST. NO. 34704-NB-1 (Lot No. Begins 08)

EPA EST. NO. 34704-CO-1 (Lot No. Begins 09)

NET WEIGHT 50 POUNDS

23571

EXP. 1R

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS & DOMESTIC ANIMALS

DANGER

May be fatal by skin contact, inhalation or swallowing. DO NOT get in eyes, on skin, on clothing. Rapidly absorbed through skin. Repeated inhalation or skin contact may, without symptoms, progressively increase susceptibility to poisoning.

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.

IF APPLICATION IS PERFORMED USING AN ENCLOSED CAB OR COCKPIT, 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 or cockpit 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.

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.

DURING AERIAL APPLICATION, HUMAN FLAGGERS ARE PROHIBITED UNLESS IN A TOTALLY ENCLOSED VEHICLE.

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 1-800-856-7378.

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 "STATEMENT OF PRACTICAL TREATMENT" section.

ANTIDOTE: Atropine is an antidote. Consult your physician about obtaining a supply of 1/100 grain (0.6 milligram) tablets for emergency use. If symptoms include blurred vision, stomach cramps or tightness in chest, don't wait for a physician but take two tablets at once. Do not take atropine unless symptoms of poisoning have occurred. See a physician as soon as possible.

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED, drink one or two 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. Get medical attention.

IF INHALED, remove to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen.

IN CASE OF CONTACT, immediately flush eyes or skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.

CALL A PHYSICIAN AT ONCE IN ALL CASES OF SUSPECTED POISONING

NOTE TO PHYSICIANS: Warning symptoms including weakness, headache, tightness of chest, blurred vision, nonreactive pinpoint pupils, salivation, sweating, nausea, vomiting, diarrhea and abdominal cramps. Give atropine intramuscularly or intravenously, depending on severity of poisoning, 2 to 4 milligrams (3 to 6 tablets, 1/100 grain each) every 10 minutes until fully atropinized as shown by dilated pupils. Dry flushed skin and tachycardia. Twenty to thirty milligrams or more may be required during the first 24 hours. Never give opiates or phenothiazine tranquilizers. Clear chest by postural drainage. Artificial respiration or oxygen administration may be necessary. Observe patient carefully for at least 48 hours. Allow no further exposure to any cholinesterase inhibitor until cholinesterase regeneration has taken place as determined by blood tests.

Pralidoxime chloride (2-PAM, PROTOPAM chloride) may be effective as an adjunct to atropine. Use according to label directions.

ENVIRONMENTAL HAZARDS

This pesticide is extremely toxic to fish and wildlife. Birds feeding in (continued)

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PHORATE 20 G

EPA REG. NO. 34704-259

(continued)

RECOMMENDATIONS FOR USE

| Crop | Pests Controlled | Rate PHORATE 20 G | Application | Remarks |
|---------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| BEANS | Masson Bean Beetle | 4 1/2 to 5 1/2 lbs. per 1000 ft. of row for any spacing (minimum 30-inch spacing) | Distribute the granules evenly in the row to the side of the seed at planting time. | Do not feed the foliage of treated beans within 60 days of treatment. |
| | Leafhoppers, Aphids, Lygus Bugs, Thrips, Mites and Seedcorn Maggots | 4 1/2 to 7 lbs. per 1000 ft. of row for any row spacing (minimum 30-inch spacing) | Do not place PHORATE 20 G granules in direct contact with the seed. | |
| FIELD CORN: Application at Planting Time | Corn Rootworms, Mites, Seed Corn Beetle (New & Strain Only), Reduction of Wireworms (North Central and Southeastern States only) | 6 lbs. per 1000 ft. of row for any row spacing (minimum 30-inch row spacing) | Place granules in a 7-inch band over the row directly behind the planter shoe in front of the press wheel. | Do not place PHORATE 20 G granules in direct contact with seed. One additional application can be applied at cultivation OR over corn later in the season. |
| | Application at Cultivation | Corn Rootworms | Apply granules at time of cultivation in a band of base of plants just ahead of cultivator shovels so as to cover granules with soil. Apply in June as soon as Rootworm activity is observed. | Do not make any later applications after cultivation treatment. |
| FIELD CORN: Application Over the Plant | European Corn Borer (1st brood) | 8 lbs. per acre | Apply granules into the whorl of the plant prior to insect emergence by ground or air equipment. | Do not graze or cut for forage within 30 days of treatment. Do not make more than one application over plant. Do not apply under prolonged drought conditions. Consult your state experiment station or state extension service for proper timing of application. |
| | Corn Rootworms | | Apply granules into the whorl of the plant by ground or air equipment. | |
| SWEET CORN: Application at Planting Time | Corn Rootworms, Mites, Seed Corn Beetle (New & Strain Only), Reduction of Wireworms (North Central and Southeastern States only) | 6 lbs. per 1000 ft. of row for any row spacing (minimum 30-inch row spacing) | Place granules in a 7-inch band over the row directly behind the planter shoe in front of the press wheel. | Do not place PHORATE 20 G granules in direct contact with seed. One additional treatment can be made at cultivation. |
| | Application at Cultivation | Corn Rootworms | Apply granules at time of cultivation in a band of base of plants just ahead of cultivator shovels so as to cover granules with soil. Apply in June as soon as rootworm activity is observed. | Do not make any later applications after cultivation treatment. |
| COTTON: At Planting Time | Early season Thrips, Aphids, Mites & Leaf Miners | 3 lbs. per 1000 ft. of row for any row spacing (minimum 30-inch spacing) | Distribute the granules evenly in the furrow at planting time. Soil temperature, moisture and pH should be favorable for good germination and emergence. | Suggested for areas where a limited period of protection against early season pests is necessary for good cotton growth. Use 2 lbs. PHORATE 20 G per acre for full-dressed cotton. Do not feed treated hay or forage to livestock. |
| | Mites, Thrips, Aphids, Black Cutworms, Leafhoppers, White Flies and Leaf Miners. | 6 to 9 lbs. per 1000 ft. of row for any row spacing (minimum 30-inch spacing) | Distribute the granules evenly in the furrow at planting time. Soil temperature, moisture and pH should be favorable for good germination and emergence. Under adverse conditions plant injury may be affected. | Recommended for areas requiring good control of mites as well as early season protection against other cotton pests. The higher rate is suggested for heavier soil. Do not feed treated hay or forage to livestock. |
| COTTON: At Side-Dressing Time (Prepared cotton only) | Mites from spring to early summer | 9 to 12 lbs. per 1000 ft. of row for any row spacing (minimum 30-inch spacing) | Incorporate granules into soil as a side-dress application deep enough to avoid disturbance by future cultivations. | Apply as soon as possible after treatment. Do not apply later than 60 days before harvest. Do not feed treated hay or forage to livestock. |
| PEANUTS: At Planting Time | Thrips, Leafhoppers | 5 1/2 lbs. per 1000 ft. of row for any row spacing (minimum 24-inch spacing) | Distribute the granules evenly in the furrow at planting time. For best results, plant peanuts when soil temperatures are favorable for establishing good peanut stands. | Do not graze or feed treated hay or forage to livestock. |
| | At Popping Time | Southern Corn Rootworms and Leafhoppers | 11 lbs. per 1000 ft. of row for any row spacing (minimum 24-inch spacing) | |
| POTATOES: | Aphids, Leafhoppers, Leaf Miners, Phylloxera, Flea Beetle Larvae and reduction of Flea Beetle Adults. | LIGHT OR SANDY SOILS: 11 1/4 lbs. per 1000 ft. of row for any row spacing (minimum 32-inch spacing) HEAVY OR CLAY SOILS: 17 1/4 lbs. per 1000 ft. of row for any row spacing (minimum 32-inch spacing) | Distribute the granules evenly in the furrow or granules may be banded on each side of the row at planting time. | Wait 60 days after treatment before harvesting potatoes. |
| | Colorado Potato Beetle (early season control) | HEAVY OR CLAY SOILS: 17 1/4 lbs. per 1000 ft. of row for any row spacing (minimum 32-inch spacing) | | |
| SORGHUM: At Planting Time | Aphids (Greenbugs) | 6 lbs. per 1000 ft. of row for any row spacing (minimum 30-inch spacing) | Place granules 2 inches to side and 1 inch below the seed at planting or as a 7-inch band over the row just prior to press wheel. | Do not place PHORATE 20 G granules in direct contact with seed. A second application of granules may be applied topically later in the season. |
| | After Plant Emergence | Aphids (Greenbugs) Banded Mites (including Taro-Plum area of Texas) | 4 7/8 lbs. per acre | |
| SOYBEANS. | For the early season control of Masson bean beetle and leafhoppers | 9 lbs. per 1000 ft. of row for any row spacing (minimum 30-inch row spacing) | Distribute the granules evenly in the row to the side of the seed at planting time. | Do not place granules in direct contact with the seed. Do not feed the foliage of treated soybeans. Crop injury may result when preplant incorporated or pre-emergence applications of methylated herbicides or other soil-applied organophosphate pesticides are used in conjunction with this product. |
| | Seedcorn maggots | 9 lbs. per 1000 ft. of row for any row spacing (minimum 30-inch row spacing) | Distribute the granules evenly in the row to the side of the seed at planting time, or place granules in a 7" band over the row directly behind the planter shoe in front of the press wheel. | |
| SUGAR BEETS. | Aphids, Beet Root Maggots, Leafhoppers, Mites, Leaf Miners | 4 1/2 lbs. per 1000 ft. of row for any row spacing (minimum 30-inch spacing) | Application should be made by drilling or broadcast at seeding time. | Do not place PHORATE 20 G granules in direct contact with the seed. Do not apply within 30 days of harvest. Do not feed sugar beet tops or slices to dairy cattle. Consult your state experiment station or state extension service for proper timing of application in your area. |
| | Aphids, Mites | 4 7/8 to 7 1/8 lbs. per acre | Apply to foliage when plants are dry. Use the higher rate to deter foliage for good coverage. Foliage application by air may be used for aphid control when wet soil prohibits ground application. | |
| SUGAR CAANE: (Plants) | Wireworms | 10 1/2 lbs. per acre | Apply in a 10 to 12 inch band directly on the seed piece and surrounding soil in the open furrow immediately before covering. | Do not graze or feed treated hay or forage to livestock. |
| WHEAT: Application at Planting Time | Greenhoppers, Aphids (Western and North Central States only) Hessian Fly | 1.2 oz. per 1000 ft. of row for any row spacing (minimum 6-inch spacing) | Apply the granules in the seed furrow at planting time. | Do not feed or graze foliage within 4 days of treatment. Do not make any later applications. Do not plow or harrow treated areas. |
| | Application Over the Plant | Aphids (Western States Only) | 4 7/8 lbs. per acre | |

FORMULATED FOR
PLATTE CHEMICAL COMPANY, INC.
150 SO. MAIN STREET FREMONT, NEBRASKA 68025



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PHORATE 20 G
EPA REG. NO. 34704-259

(continued)

treated areas may be killed. Do not apply directly to water or wetlands (swamps, bogs, marshes, and pot-holes). Drift and runoff may be hazardous to aquatic organisms in neighboring areas. Collect or incorporate granules that are spilled during loading or are visible on soil surface in farm areas. Do not contaminate water when disposing of equipment washwaters.

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.

PHORATE 20 G 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.

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. 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 on (insert date of application.) Do not enter treated areas for 48 hours unless the personal protective clothing listed above 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 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 manner. 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 "RECAUTIONARY STATEMENT" 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.

NOTICE

Platte 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 the 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. Platte makes no warranties of Merchantability or fitness for a particular purpose nor any other express or implied warranty except as stated above.

TYPICAL APPLICATION RATES FOR VARIOUS ROW SPACINGS
Rate — Oz./1,000 Ft. of Row

| Row Spacing | 1.6 oz. | 2 oz. | 4 oz. | 6 oz. | 8 oz. | 10 oz. | 12 oz. | 14 oz. | 16 oz. | 18 oz. | 20 oz. | 22 oz. | 24 oz. |
|-------------|---------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 40" | | | | 4.9 | 6.5 | 8.2 | 9.8 | 11.4 | 13.1 | 14.7 | 16.3 | 18.0 | 19.6 |
| 38" | | | | 5.2 | 6.9 | 8.6 | 10.3 | 12.0 | 13.7 | 15.5 | 17.2 | 18.9 | 20.6 |
| 36" | | | | 5.4 | 7.3 | 9.1 | 10.9 | 12.7 | 14.5 | 16.3 | 18.2 | 20.0 | 21.8 |
| 34" | | | | 5.6 | 7.7 | 9.7 | 11.6 | 13.5 | 15.4 | 17.4 | 19.3 | 21.3 | 23.2 |
| 32" | | | | 6.1 | 8.2 | 10.2 | 12.3 | 14.3 | 16.3 | 18.3 | 20.5 | 22.4 | 24.6 |
| 30" | | | | 6.5 | 8.7 | 10.9 | 13.1 | 15.2 | 17.4 | 19.6 | 21.8 | 24.0 | 26.1 |
| 26" | | | | 7.1 | 9.5 | 11.8 | 14.2 | 16.6 | 18.9 | 21.3 | 23.7 | 26.0 | 28.4 |
| 24" | | | 5.4 | 8.2 | 10.9 | 13.6 | 16.3 | 19.1 | 21.8 | 24.5 | 27.2 | 30.0 | 32.7 |
| 22" | | | 5.9 | 8.9 | 11.9 | 14.9 | 17.9 | 21.0 | 24.0 | 26.9 | 29.9 | 33.0 | 35.9 |
| 20" | | | 6.5 | 9.8 | 13.1 | 16.3 | 19.6 | 22.8 | 26.1 | 29.3 | 32.6 | 35.9 | 39.1 |
| 16" | | | 8.2 | 12.3 | 16.3 | 20.5 | 24.6 | 28.7 | 32.7 | 36.8 | 40.9 | | |
| 12" | | 5.4 | 10.9 | 16.3 | 21.8 | 27.2 | 32.7 | 38.1 | 43.6 | | | | |
| 8" | 6.5 | 8.2 | 16.3 | 24.6 | 32.7 | 40.9 | | | | | | | |
| 6" | | 10.9 | 21.8 | 32.7 | 43.6 | | | | | | | | |

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EQUIVALENT POUNDS PER ACRE

(continued)