

Reg # 34704-248
PAA 15 p. 1/4

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| US ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (75-767) WASHINGTON, DC 20460 | EPA REGISTRATION NO. 34704-248 | DATE OF ISSUANCE NOV 14 1985 |
| | TERM OF ISSUANCE | |
| | NAME OF PESTICIDE PRODUCT Clean Crop Diazinon 50 Wettable Powder | |

NOTICE OF PESTICIDE: REGISTRATION
 REREGISTRATION
 (Under the Federal Insecticide, Fungicide,
 and Rodenticide Act, as amended)

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

Platte Chemical Co.
 P.O. Box 1286
 Greeley, CO 80632

161/160310
18/1

NOTE: Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration is in no way to be construed as an indorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data.
2. Make the labeling changes listed below before you release the product for shipment:
 - a. Add the phrase "EPA Registration No. 34704-248."
 - b. You must provide certified limits for each individually added inert component. These values should be based on the precision of your weighing processes rather than actual analytical procedures.
 - c. You must submit 1-year storage stability data for the subject product within 15 months from the date of this notice.
3. Submit five (5) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 Enclosure for a further description of final printed labeling.

ATTACHMENT IS APPLICABLE

| | |
|-------------------------------------|------------------|
| SIGNATURE OF APPROVING OFFICIAL | DATE 11/14/85 |
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If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 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.

George T. LaRocca
Product Manager (15)
Insecticide-Rodenticide Branch
Registration Division (TS-767) AH (04)

Enclosure



DIAZINON 50

Wettable Powder Insecticide

ACTIVE INGREDIENT:

| | |
|--|---------------|
| Diazinon: O,O-diethyl O-(2-isopropyl-6-methyl-4-pyrimidinyl) phosphorothioate..... | 50.0% |
| INERT INGREDIENTS:..... | 50.0% |
| TOTAL | 100.0% |

Diazinon 50 is a wettable powder.
For control of certain insects on fruits, nuts, vegetables, field crops, and ornamentals.
For specific insects, refer to use directions.

Keep Out of Reach of Children

WARNING

AVISO

PRECAUCION AL USARIO: Se advertido no se ingales, no use este producto hasta que le etiqueta haya sido explicado amplementamente.

See Additional Precautionary Statements Below
EPA REG. NO. 34704-

* CLEAN CROP is a Registered T.M. of United Agri Products, Inc.

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

WARNING

May be fatal if swallowed. May be absorbed through skin. Do not breathe dust or spray mist. Avoid contact with skin, eyes, and clothing. Wash thoroughly after handling and before eating or smoking. Avoid contamination of food and feed. Keep out of reach of domestic animals. Do not use on humans or household pets. Do not permit children or pets to go onto sprayed grass until spray has completely dried.

STATEMENT OF PRACTICAL TREATMENT

If swallowed: Call a physician or Poison Control Center immediately. Drink one or two glasses of water and induce vomiting by touching back of throat with finger. Repeat until vomit fluid is clear. Do not induce vomiting or give anything by mouth to an unconscious person.

If inhaled: Remove victim to fresh air. Apply artificial respiration if indicated.

If on skin: Remove contaminated clothing and wash affected areas thoroughly with soap and water.

If in eyes: Flush eyes with plenty of water. Call a physician if irritation develops or persists.

Note to Physician: Gastric lavage is indicated. Atropine sulfate and 2-PAM are specific antidotes.

ENVIRONMENTAL HAZARDS

This product is toxic to fish, birds, and other wildlife. Birds feeding on treated areas may be killed. Keep out of lakes, streams, ponds, tidal marshes, and estuaries (except for effluence from treated watercress beds). Do not apply to water that will be used for recreational purposes and human and livestock consumption. Shrimp and crab may be killed at application rates recommended on this label. Do not apply where fish, shrimp, crab, and other aquatic life are important resources. This product must not be used in areas where impact on threatened endangered species is likely. Contact your State Fish and Game Agency before applying this product. Apply this product only as specified on this label.

This pesticide is highly toxic to bees exposed to direct treatment or to residues remaining on the treated area. Do not apply when bees are actively visiting the crop, cover crop, or weeds blooming in the treatment area. Applications should be timed to provide the maximum possible interval between treatment and the next period of bee activity.

DIRECTIONS FOR USE

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

RE-ENTRY STATEMENT

Do not enter treated areas without protective clothing until sprays have dried. Because certain states may require re-entry restrictions, refer to the label for specific instructions.

must be vacated by unprotected persons.

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 warnings must include the following information:

WARNING

(Insert area or field description) treated with Diazinon on (insert date of application.) Do not enter treated areas without protective clothing until sprays have dried. In case of accidental exposure: Call a doctor (physician), clinic or hospital immediately. Explain that the victim has been exposed to Diazinon and describe his condition. For further information see the "STATEMENT OF PRACTICAL TREATMENT."

Oral warnings must include the same information that is in the written warnings.

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. Reduce stacking height where local conditions, such as humidity or pallet overhang, can affect package strength. Personnel should use clothing and equipment consistent with good pesticide handling.

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.

GENERAL INFORMATION

DIAZINON 50 should be mixed with sufficient water to assure thorough coverage unless otherwise noted in the Directions for Use. Best control is obtained when application is made at first sign of insects. Applications should be repeated as necessary to maintain control.

Note: The California Department of Agriculture has set a 5-day reentry for Diazinon on citrus, grapes, peaches, and nectarines. Five days should elapse between the time of application and the time a worker may enter the field to engage in any activity requiring substantial contact with treated foliage. When a mixture of Diazinon and organic phosphate pesticides is applied to a plant, the

... and feed. Keep out of reach of domestic animals. Do not use on humans or household pets. Do not permit children or pets to go onto sprayed grass until spray has completely dried.

STATEMENT OF PRACTICAL TREATMENT

If swallowed: Call a physician or Poison Control Center immediately. Drink one or two glasses of water and induce vomiting by touching back of throat with finger. Repeat until vomit fluid is clear. Do not induce vomiting or give anything by mouth to an unconscious person.

If inhaled: Remove victim to fresh air. Apply artificial respiration if indicated.

If on skin: Remove contaminated clothing and wash affected areas thoroughly with soap and water.

If in eyes: Flush eyes with plenty of water. Call a physician if irritation develops or persists.

Note to Physician: Gastric lavage is indicated. Atropine sulfate and 2-PAM are specific antidotes.

ENVIRONMENTAL HAZARDS

This product is toxic to fish, birds, and other wildlife. Birds feeding on treated areas may be killed. Keep out of lakes, streams, ponds, tidal marshes, and estuaries (except for effluents from treated watercross beds). Do not apply to water that will be used for recreational purposes and human and livestock consumption. Shrimp and crab may be killed at application rates recommended on this label. Do not apply where fish, shrimp, crab, and other aquatic life are important resources. This product must not be used in areas where impact on threatened endangered species is likely. Contact your State Fish and Game Agency before applying this product. Apply this product only as specified on this label.

This pesticide is highly toxic to bees exposed to direct treatment or to residues remaining on the treated area. Do not apply when bees are actively visiting the crop, cover crop, or weeds blooming in the treatment area. Applications should be timed to provide the maximum possible interval between treatment and the next period of bee activity.

DIRECTIONS FOR USE

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

RE-ENTRY STATEMENT

Do not enter treated areas without protective clothing until sprays have dried. 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. Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated

FRUIT AND NUT INSECTS

DIAZINON 50 may be applied using ground or aerial application equipment. For dilute ground sprays, mix specified rate of DIAZINON 50 and apply at 300 to 600 gals. of water per acre. For concentrate ground sprays, use equivalent rates* of DIAZINON 50 in minimums of 20-50 gals. of water per acre. For aerial applications, use equivalent ground rates* of DIAZINON 50 in minimums of 2-5 gals. of water per acre. Observe stated time intervals between last application and harvest.

*NOTE: The rate of DIAZINON 50 for concentrate ground and aerial sprays is based upon a dilute ground spray with conventional ground equipment applied at 300 to 600 gals. of water per acre. If directions call for 1 lb. of product per 100 gals. of water, this amounts to 3 to 6 lbs. of DIAZINON 50 per acre when applied as dilute ground spray volumes.

Almonds

Mites, Twig borers: Apply 1-1½ lbs. DIAZINON 50 per 100 gals. of water as infestations develop.

Scales (including San Jose, parlatoria, black, brown, apricot); Mite eggs (including European red mite, brown mite); Twig borers; Aphid eggs (including apple, black cherry, mealy plum); Mealybugs: Apply as a dormant spray 1-1½ lbs. DIAZINON 50 plus 2-3 gals. of dormant oil or 1-1½ gals. superior type oil per 100 gals. of water. Almond hulls may be fed to livestock.

Apples

Leafhoppers: Apply 1 lb. per 100 gals. of water in 3-5 applications beginning at petal fall and continuing through the growing season, or apply as infestations develop.

Scales (including San Jose, parlatoria, black, brown, apricot); Mite eggs (including European red mite, brown mite); Twig borers; Aphid eggs (including apple, black cherry, mealy plum); Mealy bugs: Apply as a dormant or delayed-dormant spray 1 lb. of DIAZINON 50 plus 2 gals. of dormant oil or 1-1½ gals. superior type oil per 100 gals. of water.

Eyepotted bud moth, Fruitree leafroller, Mealybug: Mix 1 lb. per 100 gals. of water. Make 3-8 cover spray applications, beginning in the pink stage.

customarily understood by workers

Written warnings must include the following information:

WARNING

(Insert area or field description) treated with Diazinon on (insert date of application.) Do not enter treated areas without protective clothing until sprays have dried. In case of accidental exposure: Call a doctor (physician), clinic or hospital immediately. Explain that the victim has been exposed to Diazinon and describe his condition. For further information see the "STATEMENT OF PRACTICAL TREATMENT."

Oral warnings must include the same information that is in the written warnings.

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. Reduce stacking height where local conditions, such as humidity or pallet overhang, can effect package strength. Personnel should use clothing and equipment consistent with good pesticide handling.

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.

GENERAL INFORMATION

DIAZINON 50 should be mixed with sufficient water to assure thorough coverage unless otherwise noted in the Directions for Use. Best control is obtained when application is made at first sign of insects. Applications should be repeated as necessary to maintain control.

Note: The California Department of Agriculture has set a 5-day reentry for Diazinon on citrus, grapes, peaches, and nectarines. Five days should elapse between the time of application and the time a worker may enter the field to engage in any activity requiring substantial contact with treated foliage. When a mixture of two or more organic phosphate pesticides is applied in combination, the interval should be prolonged by adding to the largest applicable interval an additional 50% of that interval.

Since DIAZINON 50 is a wettable powder formulation, constant agitation is necessary during application.

Do not apply within 14 days of harvest.

Apples and Pears

Codling moth, Rosy apple aphid, Green apple aphid, Woolly apple aphid, Mites: Mix 1 lb. DIAZINON 50 per 100 gals. of water. Make 3-8 cover spray applications, beginning with the first cover. Applications should be timed according to insect infestations.

Apple maggot: Mix 1 lb. of DIAZINON 50 per 100 gals. of water. Make at least 3 cover spray applications when flies are active and laying eggs.

San Jose scale crawlers, Forbes scale crawlers: Mix 1 lb. per 100 gals. of water. Apply early in the season when crawlers first appear. If infestation warrants, make a second application 7-10 days later.

Note: Mites will be suppressed if DIAZINON 50 is used in the regular cover spray program. Slight russetting may occur on some varieties of apples, such as Golden Delicious.

Do not apply to apples or pears within 14 days of harvest.

Apricots

Scales (including San Jose, parlatoria, black, brown apricot, walnut); Mite eggs (including European red mite, brown mite); Twig borers; Aphid eggs (including apple, black cherry, mealy plum); Mealybugs: Apply as a dormant spray 1 lb. of DIAZINON 50 plus 2 gals. of dormant oil or 1-1½ gals. superior type oil per 100 gals. of water.

Aphids, Brown mite (Clover mite), Twospotted spider mite, Olive scale crawlers, San Jose scale crawlers: Mix 1 lb. per 100 gals. of water. Apply when aphids, mites, and scale crawlers first appear.

Olive scale crawlers: Mix ½ lb. of DIAZINON 50 plus 1½ gals. of light medium horticultural oil per 100 gals. of water. Apply when scale crawlers are present.

Apricot mealybug: Mix 1 lb. per 100 gals. of water. Apply as a cover spray from petal fall to June.

Do not apply within 10 days of harvest.

Blueberries

Cranberry fruitworm, Cherry fruitworm, Blueberry maggot, Aphids, Thrips, Twospotted mite: Mix 1 lb. per 100

Cherry rust mite: Mix ½-1 lb. per 100 gals. of water. Apply as a supplemental spray after harvest.

Do not apply within 10 days of harvest.

Cranberries

Blackheaded fireworm, *Rhopobota naevana*: Apply 4 lbs. in 400 gals. of water per acre.

Cranberry fruitworm: Apply 6 lbs. in 400 gals. of water per acre.

Do not apply within 7 days of harvest.

Figs

Vinegar fly (*Drosophila* spp.), Dried fruit beetle: Apply 1 lb. per 100 gals. of water. Do not apply within 5 days of harvest.

Filberts

Filbert leafroller, Aphids: Apply 2-4 lbs. in 250-400 gals. of water per acre, as a thorough cover spray.

Citrus Fruits (Grapefruit, Lemons, Limes, Oranges, Tangelos, Tangerines, Citrus Citron, Kumquats, and hybrids of these)

Citrus aphid, Cottony cushion scale crawlers, and Soft scale crawlers: Apply ½-1 lb. per 100 gals. of water (maximum 1000 gals. per acre) as a thorough cover spray when aphids and crawler stages of scale insects first appear.

Fruitree leafroller: Mix ½-1 lb. per 100 gals. of spray (maximum 1000 gals. per acre) when an average of 50 percent of eggs in egg masses have hatched in the spring.

Citrus thrip: Apply 1 lb. in 100 gals. of water (maximum 1000 gals. per acre) when thrips first appear.

Citrus snow scale: Apply 1-2 lbs. per 100 gals. of water (maximum 1000 gals. per acre) as a postbloom spray and again as a summer spray. For heavy snow scale infestations, use the higher dosage rate. Thorough coverage of tree trunk, limbs, and twigs is essential.

Do not apply during bloom. Do not apply to citrus within 21 days of harvest.

Grapes

Pacific spider mite, Leafhoppers, Grape berry moth, Grape leafhopper: Mix 1 lb. per 100 gals. of water and apply as a thorough cover spray, or apply 2 lbs. per acre in sufficient water for thorough coverage. Do not apply within 18 days of harvest.

Drosophila spp.: Mix 6 oz. per 100 gals. of water and apply as a thorough cover spray, or apply a maximum of 18 oz. per acre in sufficient water for thorough coverage when insects first appear. Make additional applications at weekly intervals as necessary. Do not apply within 7 days of harvest. If a spreader-sticker is used, do not apply within 18 days of harvest.

Oilives

Olive scale: Mix ¾-1 lb. of DIAZINON 50 plus 1½ gals. of light medium summer horticultural oil per 100 gals. of water. Apply as a cover spray in June or July.

Do not apply during bloom to avoid injury to pollinating insects or within 75 days of harvest.

Peaches and Nectarines

Scales (including San Jose, parlatoria, black, brown, apricot); Mite eggs (including European red mite, brown

VEGETABLE FOLIAR INSECTS

DIAZINON 50 should always be applied as a spray in sufficient water to assure thorough coverage of the foliage.

Beans (Pole Beans, Snap Beans, Lima Beans)

Black bean aphid, Mexican bean beetle, Leafminer: Apply 1-1½ lbs. per acre.

Cucumber beetle: Apply ½-1 lb. in 100 gals. of water per acre.

Do not apply within 7 days of bean harvest. Bean forage or bean hay may be fed to dairy and beef cattle and sheep. Wait 4 days following treatment if forage is to be cut for hay.

Lima Beans

Dipterous leafminer, Leafhoppers, Mites: Apply 1 lb. per acre. Do not apply within 7 days of bean harvest. Bean forage or bean hay may be fed to dairy and beef cattle and sheep. Wait 4 days following treatment if forage is to be cut for hay.

Broccoli, Cabbage, Cauliflower

Aphids, Diamondback moth, Imported cabbageworm, Dipterous leafminer: Apply ½-1 lb. per acre. Applications at 7-10 day intervals will usually be required. Do not apply to broccoli or cauliflower within 5 days, or to cabbage within 7 days, of harvest.

Brussels Sprouts

Aphids, Diamondback moth, Imported cabbageworm: Apply 1 lb. per acre. Applications at 7-10 day intervals will usually be required. Do not apply to brussels sprouts within 7 days of harvest.

Cattails

Aphids: Apply 1 lb. per acre. Do not apply within 10 days of harvest.

houses, after compost in beds has been pasteurized by heating. Do not spray compost in beds or after spawning. To treat wooden sides of beds, posts, doors, and door frames after pasteurizing, mix 1/2 lb. in 6 gals. of water and apply with a brush.

Do not treat compost

Onions

Onion thrips Apply 1 lb. per acre. Do not apply within 10 days of harvest

Peas

Aphids, Leafminers Apply 1/2-1 lb. per acre. Peas may be picked immediately. Pea vines and pea vetch may be fed to dairy and beef cattle and sheep. Wait 4 days following treatment if forage is to be cut for hay.

Peppers

Aphids, Serpentine leafminer Apply 1/2 lb. per acre. Do not apply within 5 days of harvest

Potatoes

Aphids, Flea beetles, Colorado potato beetle, Dipterous leafminer Apply 1/2-1 lb. per acre

Banded cucumber beetle, Leafhoppers, Southern armyworm Apply 1/2-1 lb. per acre

Do not apply within 35 days of harvest

Radishes, Parsnips, Turnips

Aphids, Flea beetles, Dipterous leafminer Apply 1/2-1 lb. per acre. Do not apply within 10 days of harvest

VEGETABLE SOIL INSECTS

DIAZINON 50 should always be applied as a spray in sufficient water to assure thorough coverage of the soil

Carrot rust fly

Carrots Apply 4 lbs. per acre as a drench to the seed furrow at planting time

Cutworms (Surface and Subterranean)

| | | |
|-------------------|------------|---------------|
| Broccoli | Kale | Spinach |
| Brussels Sprouts | Lettuce | Summer Squash |
| Cabbage | Lima Beans | Sweet Corn |
| Cantaloupes | Muskmelons | Swiss Chard |
| Cauliflower | Parsley | Tomatoes |
| Celery | Peas | Watermelons |
| Collards | Peppers | Winter Squash |
| Cucumbers | Potatoes | |
| Endive (escarole) | Snap Beans | |

Broadcast 4-8 lbs. per acre just prior to planting. Work into the soil immediately, 2-3 inches for surface cutworms, 3-6 inches for subterranean cutworms

Garden symphylans (Centipedes)

| | | |
|---------|------------|------------|
| Cabbage | Peas | Snap Beans |
| Carrots | Pole Beans | Tomatoes |
| Corn | Radishes | Turnips |
| Lettuce | Red Beets | |

Broadcast 20 lbs. per acre just prior to planting. Work into soil 4-8 inches immediately. This pre-plant treatment will also control other soil insects, cutworms (surface and subterranean), mole crickets, root maggots, and wireworms

Mole crickets

| | | |
|------------------|-------------------|----------|
| Broccoli | Endive (escarole) | Peppers |
| Brussels Sprouts | Kale | Radishes |
| Cabbage | Lettuce | Tomatoes |
| Cauliflower | Mustard | Turnips |
| Collards | | |

Broadcast 2 lbs. per acre when insects are present. Make application to plant beds or fields 1-2 days prior to sowing of seed or transplanting and work into soil 1-2 inches immediately

Onion maggots

Onions Furrow Application Apply 2 lbs. per acre in sul-

FIELD AND FORAGE INSECTS

DIAZINON 50 should always be applied as a spray in sufficient water to assure thorough coverage of the foliage or soil, depending on the type of application

Alfalfa, Clover and Trefoli

Spotted alfalfa aphid, Yellow clover aphid, Pea aphid, Leafhoppers, Plant bug nymphs, Mites Apply 1/2-1 lb. per acre

Grasshoppers Apply 1 lb. per acre

Cutworms (Surface and Subterranean) Broadcast 4-8 lbs. per acre just prior to planting. Work into the soil immediately, 2-3 inches for surface cutworms, 3-6 inches for subterranean cutworms

Dairy and beef cattle and sheep (1) may be grazed immediately following application. (2) may be fed green alfalfa or clover immediately following cutting and (3) may be fed hay produced from alfalfa or clover in cut for hay. Do not feed following treatment.

Alfalfa, clover, and trefoli (1) may be grazed immediately following application. (2) may be fed green alfalfa or clover immediately following cutting and (3) may be fed hay produced from alfalfa or clover in cut for hay. Do not feed following treatment.

Spinach and Beets

Aphids, Dipterous leafminer Apply 1/2-1 lb. per acre. Do not apply to spinach within 10 days, or to beets within 14 days, of harvest

Squash (Summer and Winter)

See Melons and Squash section.

Sweet Corn

Corn earworm Apply 2-2 1/2 lbs. per acre when silks first appear. Two or three repeat applications at 2-3 day intervals will usually be necessary. Corn may be picked immediately following last application. Corn forage may be fed to dairy and beef cattle and sheep.

Refer also to Corn under Field and Forage Insects.

Tomatoes

Aphids, Dipterous leafminer Apply 1/2 lb. per acre. To control leafminers weekly applications are usually required

Banded cucumber beetle, Fall armyworm, Southern armyworm Apply 1/2-1 lb. per acre

Vinegar fly (*Drosophila* spp.) Apply 1/2-1 1/2 lbs. per acre. Weekly applications are usually required.

Do not apply within 1 day of harvest.

Watermelons (Hawaii only)

Cyclamen mite Apply 1 lb. in 100 gals. of water per acre. Direct spray to crowns and growing tips of plants. If infestation is heavy, make a second application no later than 10 days after the first application. Repeat applications as necessary. Do not apply within 5 days of harvest

Foliar water to drench the seed furrow at planting time. Broadcast Application Broadcast 4-8 lbs. per acre just prior to planting. Work into soil 3-4 inches immediately

Root maggots

Broccoli, Brussels sprouts, Cabbage, and Cauliflower: (1) Broadcast Application Broadcast 4-6 lbs. per acre and immediately work into the soil 3-4 inches before seeding either in the seedbed or in the field or before transplanting. (2) Transplant Water (Drench) Application Mix 1/2-1 lb. in 50 gals. of transplant water, when 200-300 gals. of water are used per acre. May be applied at the rate of 1/2-1 cupful per plant, either by hand or by tractor-mounted sprayer equipped with drop nozzles to direct spray to the base of the plant. Transplant water treatments may result in stand reduction due to plant stress at time of transplanting

Radishes, Mix 2 lbs. in 50 gals. of water. Apply 80-100 gals. per acre (1-1 1/2 gals. per 1000 linear feet of row) in the seed furrow at planting time

Wireworms

| | | |
|------------------|-------------------|----------------|
| Broccoli | Endive (escarole) | Snap Beans |
| Brussels Sprouts | Kale | Spinach |
| Cabbage | Lettuce | Summer Squash |
| Cantaloupes | Lima Beans | Sweet Corn |
| Carrots | Muskmelons | Sweet Potatoes |
| Cauliflower | Onions | Swiss Chard |
| Celery | Parsley | Tomatoes |
| Collards | Peas | Watermelons |
| Cucumbers | Peppers | Winter Squash |

Broadcast 6-8 lbs. per acre prior to planting, and work into soil 4-8 inches immediately

Potatoes Broadcast 6-12 lbs. per acre prior to planting. Immediately disk or harrow into soil 4-8 inches

Southern potato wireworm

Potatoes (Southeastern U.S.) For potatoes on mineral soils, broadcast 4-8 lbs. per acre prior to planting, and immediately work into soil 3-6 inches depending on location of wireworms.

For subterranean cutworms, apply just prior to planting and work into 3-6 inches of soil immediately

Wireworms, Apply 6-8 lbs. per acre prior to planting and work into 4-8 inches of soil immediately.

Corn leaf aphid Apply 1-2 lbs. per acre in sufficient water to provide complete coverage of the upper portions of plants. Repeat application as necessary

Grasshoppers Apply 1 lb. per acre

Sap beetle Apply 2-2 1/2 lbs. per acre. Add 1-2 gals. of soluble mineral oil per acre to the spray mixture. Consult local agricultural authorities for proper timing of sprays.

Corn may be picked immediately following last application. Corn forage may be fed to dairy and beef cattle, and sheep.

Cotton

Scale insects, Aphids, Leafhoppers, Lygids, Bug, Cotton bollworm, Cotton leafminer, Aphid, Flea beetle, etc.

Sugarcane

Aphids: Apply 1/2 lb. per acre

Note: Allow 1 day between last application and harvest. Bagasse and forage may be fed to livestock

Wireworms: Apply 8 lbs. per acre on a 12-inch band centered on the furrow in sufficient water to obtain thorough coverage. Make application directly to seed pieces in open furrow at covering time

Tobacco

Aphids, Flea beetles Apply 1/2-1 lb. per acre. Do not apply within 3 days of harvest.

Cutworms Broadcast 4-6 lbs. per acre before transplanting and work into 2-4 inches of soil immediately.

Green June beetle larvae Mix 1/2 lb. in 50 gals. of water and apply as a drench (100 gals. per 100 sq. yds.) to

RANGE, PASTURE, AND GRASSLAND INSECTS

Bermudagrass

Thrips, Whiteflies, Grasshoppers Apply 1 lb. per acre

Rangeland, Pasture, Grass Forage, Ditch Banks, Roadsides, Wasteland, Noncrop Areas, Barrier Strips. Grasshoppers Apply 1/2-1 lb. per acre in sufficient water or oil to obtain thorough coverage when insects first appear, preferably in the nymphal stage

LIVESTOCK INSECTS

Sheep "Ticks" (Keds), Lice

High gallonage, high pressure spray Mix 1/2 lb. in 100 gals. of water and apply at the rate of 1 gal. per animal.

Low gallonage, low pressure spray Mix 1 lb. in 100 gals. of water. Apply at the rate of 1 qt. per animal

Sprinkler Can Mix 1 oz. in 6 gals. of water. Crowd sheep

ORNAMENTAL INSECTS

To control certain insects on ornamentals such as Arborvitae, Azaleum, Douglas Fir, Elm, Gladiolus, Hawthorn, Holly, Juniper, Lilac, Rose, Spruce and Willow apply the recommended rates

| Insects | Rate/1000 sq. ft. |
|--|-------------------|
| Aphids, Bagworms, Carnation bud mites, Cyclamen mites, Dipterous leafminers, European pine shoot mites, Flea beetles, Holly bud moths, Leafhoppers, Obscure rosette, Omnivorous leafhoppers, Privet mites, Scale crawlers (Cottonyus), Pine needle, San Jose, Soft scale, Thrips, Twospotted mites, Whiteflies | |
| Apple-and-thorn skeletonizers, Cottonaster webworms, Fall webworms, Oak looper, Obliquebanded leafrollers, Pear slugs, | |
| Do not use on Ferns, Poinsettia, Hibiscus, Papaya, Pilea, and Mimosa webworms Mix 1/2 oz. in 3 gals. of water (or 1 lb. in 100) when adults first appear. Make a second and third application | |

LAWN INSECTS

To control insects listed below apply recommended rates. For Crickets, Earwigs, Fleas, Millipedes, Sowbugs, and Springtails (C) and may enter the house, spray a 5 ft. band of soil around the hole of 2-3 ft. Repeat application if necessary

| Insects | Diazinon 50 | Water |
|--|--------------------|-------------|
| Chinch bugs | 2.3 oz. or 9.6 oz. | 2 1/2 gals. |
| Ants, Armyworms, Cicadas, Sod webworm, Flea beetles, Dogger wasps, Earwig, Millipedes, Sowbugs | 4 oz. | 3 gals. |
| Brown dog ticks, Bermudagrass mites, Chiggers, Fleas, Leafhoppers | 1 1/2 oz. | 3 gals. |
| Millipedes | 6 oz. | 3 gals. |
| Rhodagrass scale | 5 oz. | 25 gals. |

*Application can be made in 3 gals. of water per 1000 sq. ft. application

Boxelder bug: Spray bugs outside the home with 1 1/2-2 1/2 oz. in around foundation, windows, doors, tree trunks, and into c

SEED TREATMENT—PLANTER-BOX TREATMENT

Corn
Seedcorn beetle Mix 3 oz. per bushel of seed as a dry mixture in the planter box as a seed treatment prior to planting

Corn, Peas, Snapbeans, and Beans (Lima, Snap, White) Mix 1 oz. per bushel of seed as a dry mixture in the planter box as a seed treatment

Broadcast 4-8 lbs. per acre just prior to planting. Work into the soil immediately, 2-3 inches for surface cutworms, 3-6 inches for subterranean cutworms.

Garden symphylans (Centipedes)

| | | |
|---------|------------|------------|
| Cabbage | Peas | Snap Beans |
| Carrots | Pole Beans | Tomatoes |
| Corn | Radishes | Turnips |
| Lettuce | Red Beets | |

Broadcast 20 lbs. per acre just prior to planting. Work into soil 4-8 inches immediately. This preplant treatment will also control other soil insects; cutworms (surface and subterranean), mole crickets, root maggots, and wireworms.

Mole crickets

| | | |
|------------------|-------------------|----------|
| Broccoli | Endive (escarole) | Peppers |
| Brussels Sprouts | Kale | Radishes |
| Cabbage | Lettuce | Tomatoes |
| Cauliflower | Mustard | Turnips |
| Collards | | |

Broadcast 2 lbs. per acre when insects are present. Make application to plant beds or fields 1-2 days prior to sowing of seed or transplanting and work into soil 1-2 inches immediately.

Onion maggots

Onions: Furrow Application: Apply 2 lbs. per acre in sul-

stress at time of transplanting.

Radishes: Mix 2 lbs. in 50 gals. of water. Apply 80-100 gals. per acre. (1-1½ gals. per 1000 linear feet of row) in the seed furrow at planting time.

Wireworms

| | | |
|------------------|-------------------|----------------|
| Broccoli | Endive (escarole) | Snap Beans |
| Brussels Sprouts | Kale | Spinach |
| Cabbage | Lettuce | Summer Squash |
| Cantaloupes | Lima Beans | Sweet Corn |
| Carrots | Muskmelons | Sweet Potatoes |
| Cauliflower | Onions | Swiss Chard |
| Celery | Parsley | Tomatoes |
| Collards | Peas | Watermelons |
| Cucumbers | Peppers | Winter Squash |

Broadcast 6-8 lbs. per acre prior to planting, and work into soil 4-8 inches immediately.

Potatoes: Broadcast 6-12 lbs. per acre prior to planting. Immediately disk or harrow into soil 4-8 inches.

Southern potato wireworm

Potatoes (Southeastern U.S.): For potatoes on mineral soils, broadcast 4-8 lbs. per acre prior to planting, and immediately work into soil 3-6 inches depending on location of wireworms.

FIELD AND FORAGE INSECTS

DIAZINON 50 should always be applied as a spray in sufficient water to assure thorough coverage of the foliage or soil, depending on the type of application.

Alfalfa, Clover and Trefoil

Spotted alfalfa aphid, Yellow clover aphid, Pea aphid, Leafhoppers, Plant bug nymphs, Mites: Apply ¼-1 lb. per acre.

Grasshoppers: Apply 1 lb. per acre.

Cutworms (Surface and Subterranean): Broadcast 4-8 lbs. per acre just prior to planting. Work into the soil immediately, 2-3 inches for surface cutworms, 3-6 inches for subterranean cutworms.

Dairy and beef cattle and sheep (1) may be grazed immediately following application, (2) may be fed green alfalfa or clover immediately following cutting, and (3) may be fed hay provided alfalfa or clover is not cut for hay for 7 days following treatment.

Alfalfa weevil larvae: For control in the spring, apply 2-3 lbs. per acre when feeding damage to growing tips becomes evident. Repeat application, if necessary. If damage is already extensive, cut the hay and make application to the stubble. Do not graze dairy and beef animals or sheep for 2 days. Do not cut for hay for 10 days following treatment.

Do not spray livestock directly except as indicated below under Livestock Insects, with either air or ground equipment.

Do not treat during bloom to avoid injury to pollinating insects.

Corn

Corn rootworm larvae--

(Postemergence Basal Treatment):

Apply 1¼-2½ oz. per 1000 linear feet of corn row in sufficient water to wet base of corn plant and a narrow band of soil next to the plant. Refer to row spacing chart for amounts recommended per acre. Cover treated band with 2-3 inches of soil using a disk tiller or cultivator immediately after spraying. Application should be made at the first sign of corn rootworm larvae. Application should not be made later than June 24 in the Middle Corn Belt or July in the Northern Corn Belt.

SUGGESTED RATES ACCORDING TO ROW SPACING FOR CORN ROOTWORM LARVAE CONTROL

| Spacing | Linear Feet of Corn Row/Acre | Amount of Diazinon 50/Acre |
|---------|------------------------------|-------------------------------|
| | | Postemergence Basal Treatment |
| 48" | 10,890 | 14-28 oz. |
| 42" | 12,455 | 15½-31 oz. |
| 40" | 13,068 | 16-32 oz. (1-2 lbs.) |
| 38" | 13,939 | 17½-35 oz. |
| 36" | 14,250 | 18-36 oz. |
| 30" | 17,424 | 22-44 oz. (1½-2½ lbs.) |
| 24" | 21,780 | 27½-55 oz. |
| 20" | 26,136 | 32-64 oz. (2-4 lbs.) |
| 15" | 34,848 | 44-88 oz. |

Note: For row spacings not listed, calculate the appropriate dosage rates based on the 40" row figures. Seedcorn maggot: Broadcast 4-8 lbs. per acre just prior to planting. Work into 2 inches of soil immediately. Cutworms (Surface and Subterranean): Broadcast 4-8 lbs. per acre. For surface cutworms apply just prior to planting or when larvae first appear and work into 1-2 inches of soil immediately. Do not apply later than lay-by.

For subterranean cutworms, apply just prior to planting and work into 3-6 inches of soil immediately.

Wireworms: Apply 6-8 lbs. per acre prior to planting and work into 4-8 inches of soil immediately.

Corn leaf aphid: Apply 1-2 lbs. per acre in sufficient water to provide complete coverage of the upper portions of plants. Repeat application as necessary.

Grasshoppers: Apply 1 lb. per acre.

Sap beetle: Apply 2-2½ lbs. per acre. Add 1-2 gals. of soluble mineral oil per acre to the spray mixture. Consult local agricultural authorities for proper timing of sprays.

Corn may be picked immediately following last application. Corn forage may be fed to dairy and beef cattle, and sheep.

Cotton

Spider mites, Aphids, Leafhoppers, Lygus bug, Cotton leafworm, Cotton leafperforator: Apply 1-2 lbs. in 5-25 gals. of water per acre. Repeat as infestation warrants.

Do not apply within 14 days of harvest. Do not graze treated cotton plants, or feed gin wastes to livestock.

Cowpeas

Cutworms (Surface and Subterranean): Broadcast 4-8 lbs. per acre, just prior to planting. Work into 2-3 inches of soil for surface cutworms, 3-6 inches for subterranean cutworms.

Hops

Aphids, Mites: Apply 2 lbs. per acre. Do not apply within 14 days of harvest.

Lespedeza

Cutworms (Surface and Subterranean): Broadcast 4-8 lbs. per acre just prior to planting. Work into 2-3 inches of soil immediately for surface cutworms, 3-6 inches for subterranean cutworms.

Peanuts

Cutworms: Apply 4 lbs. per acre in a 12-inch band over the row. Use sufficient water to achieve thorough coverage. Begin application when small larvae appear. Two or three additional applications at 3-week intervals may be necessary. Do not apply within 21 days of peanut harvest.

Note: Livestock (1) may be fed peanut hulls, (2) may be fed peanut forage 7 days following treatment, and (3) may be fed peanut hay 21 days following treatment.

Sorghum

Sorghum midge: Apply ½-1 lb. per acre when 90% of the heads have emerged from the boot. Repeat application within 4 days.

Crop may be fed to livestock immediately following treatment. Do not apply within 7 days of harvesting for grain.

Cutworms (Surface and Subterranean): Broadcast 4-8 lbs. per acre just prior to planting. Work into 2-3 inches of soil immediately for surface cutworms, 3-6 inches for subterranean cutworms.

Soybeans

Cutworms (Surface and Subterranean): Broadcast 4-8 lbs. per acre just prior to planting. Work into 2-3 inches of soil immediately for surface cutworms, 3-6 inches for subterranean cutworms.

Sugar Beets

Beet leafhopper, D. pleropus leafminer, Aphids: Apply ¼-1 lb. per acre.

Grasshoppers: Apply 1 lb. per acre.

Wireworms: Broadcast 6-8 lbs. per acre just prior to planting, and work into 4-8 inches of soil immediately. Tops may be fed to beef and dairy animals.

Omnivorous leafhoppers, Privet mites, Scale crawlers, (Cottonywood) Pine needle, San Jose, Soft scale, Thrips, Twospotted mites, W. Wh. leafhopper

Apple-and-thorn skeletonizers, Cottoncater webworms, Fall webworms, Oak loopers, Obliquebanded leafrollers, Pear slugs, Te chermes

Do not use on Ferns, Poinsettia, Hibiscus, Papaya, Pilea, and G. Mimosa webworms: Mix ½ oz. in 3 gals. of water (or 1 lb. in 100 g when adults first appear. Make a second and third application at

LAWN INSECTS

To control insects listed below, apply recommended rates. For ins Crickets, Earwigs, Fleas, Millipedes, Sowbugs, and Springtails (Collt and may enter the house, spray a 5-ft. band of soil around the hou: of 2-3 ft. Repeat application if necessary.

| Insects | Rate/1000 sq. ft. | |
|--|--------------------|------------|
| | Diazinon 50 | Water |
| Lawn chinch bugs | 2-3 oz. or 3-6 oz. | 25 gals. * |
| Ants, Armyworms, Clover mites, Spring-tails, (Columbola), Cutworms, Digger wasps, Earwigs, Fire flies, Lawn billbugs, Sod webworms (Lawn moths), Sowbugs | 4 oz. | 3 gals. |
| Brown dog ticks, Bermudagrass mites, Chiggers, Fleas, Leafhoppers | 1¼ oz. | 3 gals. |
| Millipedes | 8 oz. | 3 gals. |
| Rhodesgrass scales | 5 oz. | 25 gals. * |

* Application can be made in 3 gals. of water per 1000 sq. ft. Th application.

Boxelder bugs: Spray bug: outside the home with 1½-2½ oz. in around foundation, windows, doors, tree trunks, and into cr

SEED TREATMENT--PLANTER-BOX TREATMENT

Corn Seedcorn beetle: mix 3 oz. per bushel of seed as a dry mixture in the planter box as a seed treatment prior to planting.

Corn, Peas, Soybeans, and Beans (Lima, Snap, White and Kidney) Seedcorn maggot: Mix ½ oz. per bushel of seed as a dry mixture in the planter box as a seed treatment prior to planting.

Planter-box Mixing Instructions: Stir seed slightly using a mixing stick. Additional mixing will result from the operation of the planter, DO NOT MIX WITH BARE HANDS.

FLY CONTROL

Fly control in barns and animal sleeping quarters (except dairy barns, milk rooms, and poultry houses).

Residual Sprays:

Remove animals from buildings prior to treatment and keep animals out for at least four hours. Mix 2 lbs. of DIAZINON 50 in 25 gals. of water and apply as an overall spray to ceilings and walls of livestock sheds, calf barns, hog barns, foaling sheds, and other farm buildings except poultry houses, dairy barns, and milk rooms. Areas where flies congregate, such as garbage dumps and corals, should be sprayed thoroughly. Longer residual control may be obtained by increasing the rate to 4 lbs. in 25 gals. of water. Applications should be made to point of runoff. One gal. of the above spray should cover from 350-750 sq. ft. of area, depending on the surface treated. Repeat applications as fly populations warrant.


Conditions of Sale and Warranty

The Directions for Use of this product reflect the opinion of expert believed to be reliable and should be followed carefully. However, associated with use of this product. Crop injury, ineffectiveness, or of such factors as weather conditions, presence of other materials beyond the control of Platte Chemical or the Seller. All such warranties that this product conforms to the chemical description referred to in the Directions for Use subject to the inherent risks, express or implied warranty of fitness or merchantability or a shall Platte Chemical or the Seller be liable for consequential use or handling of this product. Platte Chemical and the Seller, subject to the foregoing Conditions of Sale and Warranty, who hereby certify that the product is a representative of Platte Chemical.

Diazinon Mixture
RQ NA2783

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|--|--|--|--|--------------------------|--|
| US ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (75-767) WASHINGTON, DC 20460 | EPA REGISTRATION NO. 34704-248 | DATE OF ISSUANCE NOV 14 1985 | | | |
| | TERM OF ISSUANCE | | | | |
| NOTICE OF PESTICIDE: <input type="checkbox"/> REGISTRATION <input type="checkbox"/> REREGISTRATION (Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended) | NAME OF PESTICIDE PRODUCT Clean Crop Diazinon 50 Wettable Powder | | | | |
| NAME AND ADDRESS OF REGISTRANT (Include ZIP code) | | | | | |
| <table border="0" style="width: 100%;"> <tr> <td style="width: 40%; vertical-align: top;"> <input type="checkbox"/> Platte Chemical Co., P.O. Box 1286 Greeley, CO 80632 </td> <td style="width: 20%; vertical-align: top;"> <input type="checkbox"/> </td> <td style="width: 40%; vertical-align: top;"> <div style="text-align: right; font-size: 2em; font-family: cursive;"> 161/160310 18/1 </div> </td> </tr> </table> | | | <input type="checkbox"/> Platte Chemical Co., P.O. Box 1286 Greeley, CO 80632 | <input type="checkbox"/> | <div style="text-align: right; font-size: 2em; font-family: cursive;"> 161/160310 18/1 </div> |
| <input type="checkbox"/> Platte Chemical Co., P.O. Box 1286 Greeley, CO 80632 | <input type="checkbox"/> | <div style="text-align: right; font-size: 2em; font-family: cursive;"> 161/160310 18/1 </div> | | | |
| NOTE: Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number. | | | | | |
| On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act. | | | | | |
| A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith. | | | | | |
| Registration is in no way to be construed as an endorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others. | | | | | |
| This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you: | | | | | |
| 1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data. | | | | | |
| 2. Make the labeling changes listed below before you release the product for shipment: | | | | | |
| a. Add the phrase "EPA Registration No. 34704-248." | | | | | |
| b. You must provide certified values for each individually added inert component. These values should be based on the precision of your weighing process, rather than actual analytical procedures. | | | | | |
| c. You must submit 1-year storage stability data for the subject product within 15 months from the date of this notice. | | | | | |
| 3. Submit five (5) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 Enclosure for a further description of final printed labeling. | | | | | |
| <input type="checkbox"/> ATTACHMENT IS APPLICABLE | | | | | |
| SIGNATURE OF APPROVING OFFICIAL | | DATE | | | |
|  | | 11/14/85 | | | |

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 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.

George T. LaRocca
Product Manager (15)
Insecticide-Rodenticide Branch
Registration Division (TS-767)

Att (24)

Enclosure



DIAZINON 50

Wettable Powder Insecticide

ACTIVE INGREDIENT:

| | |
|--|---------------|
| Diazinon: O,O-diethyl O-(2-isopropyl-6-methyl-4-pyrimidinyl) phosphorothioate..... | 50.0% |
| INERT INGREDIENTS:..... | 50.0% |
| TOTAL | 100.0% |

Diazinon 50 is a wettable powder.
 For control of certain insects on fruits, nuts, vegetables, field crops, and ornamentals.
 For specific insects, refer to use directions.

Keep Out of Reach of Children

WARNING AVISO

PRECAUCION AL USARIO: Si usted no lee ingles, no use este producto hasta que le etiqueta haya sido explicado ampliamente.

See Additional Precautionary Statements Below
 EPA REG. NO. 34704-

* CLEAN CROP is a Registered T.M. of United Agr Products, Inc

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

WARNING

May be fatal if swallowed. May be absorbed through skin. Do not breathe dust or spray mist. Avoid contact with skin, eyes, and clothing. Wash thoroughly after handling and before eating or smoking. Avoid contamination of food and feed. Keep out of reach of domestic animals. Do not use on humans or household pets. Do not permit children or pets to go onto sprayed grass until spray has completely dried.

STATEMENT OF PRACTICAL TREATMENT

If swallowed: Call a physician or Poison Control Center immediately. Drink one or two glasses of water and induce vomiting by touching back of throat with finger. Repeat until vomit fluid is clear. Do not induce vomiting or give anything by mouth to an unconscious person.

If inhaled: Remove victim to fresh air. Apply artificial respiration if indicated.

If on skin: Remove contaminated clothing and wash affected areas thoroughly with soap and water.

If in eyes: Flush eyes with plenty of water. Call a physician if irritation develops or persists.

Note to Physician: Gastric lavage is indicated. Atropine sulfate and 2-PAM are specific antidotes.

ENVIRONMENTAL HAZARDS

This product is toxic to fish, birds, and other wildlife. Birds feeding on treated areas may be killed. Keep out of lakes, streams, ponds, tidal marshes, and estuaries (except for effluence from treated water/cross beds). Do not apply to water that will be used for recreational purposes and human and livestock consumption. Shrimp and crab may be killed at application rates recommended on this label. Do not apply where fish, shrimp, crab, and other aquatic life are important resources. This product must not be used in areas where impact on threatened endangered species is likely. Contact your State Fish and Game Agency before applying this product. Apply this product only as specified on this label.

This pesticide is highly toxic to bees exposed to direct treatment or to residues remaining on the treated area. Do not apply when bees are actively visiting the crop, cover crop, or weeds blooming in the treatment area. Applications should be timed to provide the maximum possible interval between treatment and the next period of bee activity.

DIRECTIONS FOR USE

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

RE-ENTRY STATEMENT

Do not enter treated area until...

must be vacated by unprotected persons.

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 warnings must include the following information:
WARNING

(Insert area or field description) treated with Diazinon on (insert date of application.) Do not enter treated areas without protective clothing until sprays have dried. In case of accidental exposure: Call a doctor (physician), clinic or hospital immediately. Explain that the victim has been exposed to Diazinon and describe his condition. For further information see the "STATEMENT OF PRACTICAL TREATMENT."

Oral warnings must include the same information that is in the written warnings.

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. Reduce stacking height where local conditions, such as humidity or pallet overhang, can effect package strength. Personnel should use clothing and equipment consistent with good pesticide handling.

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.

GENERAL INFORMATION

DIAZINON 50 should be mixed with sufficient water to assure thorough coverage unless otherwise noted in the Directions for Use. Best control is obtained when application is made at first sign of insects. Applications should be repeated as necessary to maintain control.

Note: The California Department of Agriculture has set a 5-day reentry for Diazinon on citrus, grapes, peaches, and nectarines. Five days should elapse between the time of application and the time a worker may enter the field to perform any maintenance or other work.

STATEMENT OF PRACTICAL TREATMENT

If swallowed: Call a physician or Poison Control Center immediately. Drink one or two glasses of water and induce vomiting by touching back of throat with finger. Repeat until vomit fluid is clear. Do not induce vomiting or give anything by mouth to an unconscious person.

If inhaled: Remove victim to fresh air. Apply artificial respiration if indicated.

If on skin: Remove contaminated clothing and wash affected areas thoroughly with soap and water.

If in eyes: Flush eyes with plenty of water. Call a physician if irritation develops or persists.

Note to Physician: Gastric lavage is indicated. Atropine sulfate and 2-PAM are specific antidotes.

ENVIRONMENTAL HAZARDS

This product is toxic to fish, birds, and other wildlife. Birds feeding on treated areas may be killed. Keep out of lakes, streams, ponds, tidal marshes, and estuaries (except for effluents from treated water cross beds). Do not apply to water that will be used for recreational purposes and human and livestock consumption. Shrimp and crab may be killed at application rates recommended on this label. Do not apply where fish, shrimp, crab, and other aquatic life are important resources. This product must not be used in areas where impact on threatened endangered species is likely. Contact your State Fish and Game Agency before applying this product. Apply this product only as specified on this label.

This pesticide is highly toxic to bees exposed to direct treatment or to residues remaining on the treated area. Do not apply when bees are actively visiting the crop, cover crop, or weeds blooming in the treatment area. Applications should be timed to provide the maximum possible interval between treatment and the next period of bee activity.

DIRECTIONS FOR USE

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

RE-ENTRY STATEMENT

Do not enter treated areas without protective clothing until sprays have dried. 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. Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated

FRUIT AND NUT INSECTS

DIAZINON 50 may be applied using ground or aerial application equipment. For dilute ground sprays, mix specified rate of DIAZINON 50 and apply at 300 to 600 gals. of water per acre. For concentrate ground sprays, use equivalent rates* of DIAZINON 50 in minimums of 20-50 gals. of water per acre. For aerial applications, use equivalent ground rates* of DIAZINON 50 in minimums of 2-5 gals. of water per acre. Observe stated time intervals between last application and harvest.

*NOTE: The rate of DIAZINON 50 for concentrate ground and aerial sprays is based upon a dilute ground spray with conventional ground equipment applied at 300 to 600 gals. of water per acre. If directions call for 1 lb. of product per 100 gals. of water, this amounts to 3 to 6 lbs. of DIAZINON 50 per acre when applied as dilute ground spray volumes.

Almonds

Mites, Twig borers: Apply 1-1½ lbs. DIAZINON 50 per 100 gals. of water as infestations develop.

Scales (including San Jose, parlatoria, black, brown, apricot, Mite eggs (including European red mite, brown mite); Twig borers, Aphid eggs (including apple, black cherry, mealy plum); Mealybugs: Apply as a dormant spray 1-1½ lbs. DIAZINON 50 plus 2-3 gals. of dormant oil or 1-1½ gals. superior type oil per 100 gals. of water.

Almond hulls may be fed to livestock

Apples

Leafhoppers: Apply 1 lb. per 100 gals. of water in 3-5 applications beginning at petal fall and continuing through the growing season, or apply as infestations develop.

Scales (including San Jose, parlatoria, black, brown, apricot, Mite eggs (including European red mite, brown mite); Twig borers, Aphid eggs (including apple, black cherry, mealy plum); Mealybugs: Apply as a dormant or delayed-dormant spray 1 lb. of DIAZINON 50 plus 2 gals. dormant oil or 1-1½ gals. superior type oil per 100 gals. of water.

Eyepolluted bud moth, Fruitree leafroller, Mealybug: Mix 1 lb. per 100 gals. of water. Make 3-8 cover spray applications, beginning in the pink stage.

(insert date of application) Do not enter treated areas without protective clothing until sprays have dried. In case of accidental exposure: Call a doctor (physician), clinic or hospital immediately. Explain that the victim has been exposed to Diazinon and describe his condition. For further information see the "STATEMENT OF PRACTICAL TREATMENT."

Oral warnings must include the same information that is in the written warnings.

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. Reduce stacking height where local conditions, such as humidity or pallet overhang, can affect package strength. Personnel should use clothing and equipment consistent with good pesticide handling.

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.

GENERAL INFORMATION

DIAZINON 50 should be mixed with sufficient water to assure thorough coverage unless otherwise noted in the Directions for Use. Best control is obtained when application is made at first sign of insects. Applications should be repeated as necessary to maintain control.

Note: The California Department of Agriculture has set a 5-day reentry for Diazinon on citrus, grapes, peaches, and nectarines. Five days should elapse between the time of application and the time a worker may enter the field to engage in any activity requiring substantial contact with treated foliage. When a mixture of two or more organic phosphate pesticides is applied in combination, the interval should be prolonged by adding to the largest applicable interval an additional 50% of that interval.

Since DIAZINON 50 is a wettable powder formulation, constant agitation is necessary during application.

Do not apply within 14 days of harvest

Apples and Pears

Codling moth, Rosy apple aphid, Green apple aphid, Woolly apple aphid, Mites: Mix 1 lb. DIAZINON 50 per 100 gals. of water. Make 3-8 cover spray applications, beginning with the first cover. Applications should be timed according to insect infestations.

Apple maggot: Mix 1 lb. of DIAZINON 50 per 100 gals. of water. Make at least 3 cover spray applications when flies are active and laying eggs.

San Jose scale crawlers, Forbes scale crawlers: Mix 1 lb. per 100 gals. of water. Apply early in the season when crawlers first appear. If infestation warrants, make a second application 7-10 days later.

Note: Mites will be suppressed if DIAZINON 50 is used in the regular cover spray program. Slight russetting may occur on some varieties of apples, such as Golden Delicious.

Do not apply to apples or pears within 14 days of harvest

Apricots

Scales (including San Jose, parlatoria, black, brown apricot, walnut); Mite eggs (including European red mite, brown mite); Twig borers; Aphid eggs (including apple, black cherry, mealy plum); Mealybugs: Apply as a dormant spray 1 lb. of DIAZINON 50 plus 2 gals. of dormant oil or 1-1½ gals. superior type oil per 100 gals. of water.

Aphids, Brown mite (Clover mite), Twospotted spider mite, Olive scale crawlers, San Jose scale crawlers: Mix 1 lb. per 100 gals. of water. Apply when aphids, mites, and scale crawlers first appear.

Olive scale crawlers: Mix ½ lb. of DIAZINON 50 plus 1½ gals. of light medium horticultural oil per 100 gals. of water. Apply when scale crawlers are present

Apricot mealybug: Mix 1 lb. per 100 gals. of water. Apply as a cover spray from petal fall to June

Do not apply within 10 days of harvest.

Blueberries

Cranberry fruitworm, Cherry fruitworm, Blueberry maggot, Aphids, Thrips, Twospotted mite. Mix 1 lb. per 100

Blackheaded fireworm, *Rhopota laevigata*: Apply 4 lbs. in 400 gals. of water per acre

Cranberry fruitworm: Apply 6 lbs. in 400 gals. of water per acre.

Do not apply within 7 days of harvest.

Figs

Vinegar fly (*Drosophila* spp.), Dried fruit beetle: Apply 1 lb. per 100 gals. of water. Do not apply within 5 days of harvest.

Filberts

Filbert leafroller, Aphids: Apply 2-4 lbs. in 250-400 gals. of water per acre, as a thorough cover spray.

Citrus Fruits (Grapefruit, Lemons, Limes, Oranges, Tangelos, Tangerines, Citrus Citron, Kumquats, and hybrids of these)

Citrus aphid, Cottony cushion scale crawlers, and Soft scale crawlers: Apply ½-1 lb. per 100 gals. of water (maximum 1000 gals. per acre) as a thorough cover spray when aphids and crawler stages of scale insects first appear.

Fruitree leafroller: Mix ½-1 lb. per 100 gals. of spray (maximum 1000 gals. per acre) when an average of 50 percent of eggs in egg masses have hatched in the spring.

Citrus thrip: Apply 1 lb. in 100 gals. of water (maximum 1000 gals. per acre) when thrips first appear.

Citrus snow scale: Apply 1-2 lbs. per 100 gals. of water (maximum 1000 gals. per acre) as a postbloom spray and again as a summer spray. For heavy snow scale infestations, use the higher dosage rate. Thorough coverage of tree trunk, limbs, and twigs is essential.

Do not apply during bloom. Do not apply to citrus within 21 days of harvest.

Grapes

Pacific spider mite, Leafhoppers, Grape berry moth, Grape leafroller: Mix 1 lb. per 100 gals. of water and apply as a thorough cover spray, or apply 2 lbs. per acre in sufficient water for thorough coverage. Do not apply within 18 days of harvest.

Drosophila spp.: Mix 6 oz. per 100 gals. of water and apply as a thorough cover spray, or apply a maximum of 18 oz. per acre in sufficient water for thorough coverage when insects first appear. Make additional applications at weekly intervals as necessary. Do not apply within 7 days of harvest. If a spreader-sticker is used, do not apply within 18 days of harvest

Olives

Olive scale: Mix ¾-1 lb. of DIAZINON 50 plus 1½ gals. of light medium summer horticultural oil per 100 gals. of water. Apply as a cover spray in June or July

Do not apply during bloom to avoid injury to pollinating insects or within 75 days of harvest

Peaches and Nectarines

Scales (including San Jose, parlatoria, black, brown, apricot); Mite eggs (including European red mite, brown

VEGETABLE FOLIAR INSECTS

DIAZINON 50 should always be applied as a spray in sufficient water to assure thorough coverage of the foliage.

Beans (Pole Beans, Snap Beans, Lima Beans)

Black bean aphid, Mexican bean beetle, Leafminers: Apply 1-1½ lbs. per acre.

Cucumber beetle: Apply ½ lb. in 100 gals. of water per acre.

Do not apply within 7 days of bean harvest. Bean forage or bean hay may be fed to dairy and beef cattle and sheep. Wait 4 days following treatment if forage is to be cut for hay.

Lima Beans

Dipterous leafminer, Leafhoppers, Mites: Apply 1 lb. per acre. Do not apply within 7 days of bean harvest. Bean forage or bean hay may be fed to dairy and beef cattle and sheep. Wait 4 days following treatment if forage is to be cut for hay.

Broccoli, Cabbage, Cauliflower

Aphids, Diamondback moth, Imported cabbageworm, Dipterous leafminer: Apply ½-1 lb. per acre. Applications at 7-10 day intervals will usually be required. Do not apply to broccoli or cauliflower within 5 days, or to cabbage within 7 days, of harvest

Brussels Sprouts

Aphids, Diamondback moth, Imported cabbageworm: Apply 1 lb. per acre. Applications at 7-10 day intervals will usually be required. Do not apply to brussels sprouts within 7 days of harvest

Carrots

Aphids: Apply 1 lb. per acre. Do not apply within 10 days of harvest.

Apply 2-6 lbs. per acre as a foliar spray. Do not apply after husks crack.

Pineapple

Pineapple scale: Apply 10 lbs. DIAZINON 50 plus 2 gals. of light medium horticultural oil in 500 gals. of water per acre to the vegetative slips on the plant following harvest of the pineapple.

Pineapple mealybug: Apply 4 lbs. per acre. May be applied on day of harvest.

Pineapple forage and refuse may be fed to livestock 7 days following last application

Plums and Prunes

Scales (including San Jose, parlatoria, black, brown, apricot); Mite eggs (including European red mite, brown mite, pearleaf blister mite); Twig borers; Aphid eggs (including apple, black cherry, mealy plum); Mealybugs: Apply as a dormant spray 1 lb. of DIAZINON 50 plus 2-3 gals. dormant oil or 1-1½ gals. superior type oil per 100 gals. of water. For late April or May applications, mix 1 lb. of DIAZINON 50 plus 1 gal. of light medium summer horticultural oil per 100 gals. of water.

Brown mite (Clover mite), European red mite: Apply 1 lb. in 100 gals. of water.

Leafcurl plum aphid, Mealy plum aphid, Thistle aphid: Apply ½-1 lb. per 100 gals. of water.

Do not apply within 10 days of harvest.

Strawberries

Aphids, Twospotted spider mite: Apply 1 lb. in 100 gals. of water per acre.

Cyclamen mite: Apply 2 lbs. in 100 gals. of water per acre, directing spray to plant crowns. Plants should be sufficiently agitated to assure thorough coverage of the foliage. Make additional applications, if necessary, after harvest.

Mole cricket: Broadcast 2 lbs. per acre when insects are present. Apply 1-2 days before transplanting and mix in to the top 1-2 inches of soil immediately

Strawberry leafroller: Mix ¾-1 lb. per 100 gals. of water. Apply 200 gals. spray per acre when blossoms show color.

Do not apply within 5 days of harvest.

Walnuts

Aphids, Mites: Apply 2 lbs. per acre as a foliage spray

Codling moth, Scale crawlers, Walnut caterpillar: Apply 6 lbs. per acre.

Do not apply after the husks crack

ACCEPTED
WITH COMMENTS
in EPA Letter Datab

NOV 14 1985

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

34704-248

Celery

Aphids, Flea beetles: Apply 1 lb. in 100 gals. of water per acre

Dipterous leafminer: Apply ½-1 lb. per acre in sufficient water to achieve thorough coverage when infestations first appear. Repeat as necessary

Do not apply within 10 days of harvest. Plants should be market trimmed (tops removed) before being shipped or used. Tops should not be used for feed or food

Collards, Kale, Swiss Chard, Turnip Tops
Aphids, Imported cabbageworm, Diamondback moth, Harlequin cabbage bug, Corn earworm: Apply ½-1 lb. per acre. Do not apply to collards, kale or turnip tops within 10 days, or to swiss chard within 12 days, of harvest

Cucumbers

Aphids, Serpentine leafminer, Thrips: Apply 1 lb. per acre. Do not apply within 7 days of harvest.

Lettuce and Endive

Aphids, Dipterous leafminer: Apply ½-1 lb. per acre. Do not apply within 10 days of harvest

Melons and Squash (Cantaloupes, Casabas, Crenshaws, Honeydew Melons, Muskmelons, Persian Melons, and hybrids of these; Watermelons and their hybrids; Summer and Winter Squash)

Aphids, Leafhoppers, Mites: Apply 1-1½ lb. per acre. Serpentine leafminer, Thrips: Apply ½-1 lb. per acre. Do not apply to melons or winter squash within 3 days, or to summer squash within 7 days, of harvest.

Mushroom Houses

Mushroom flies (Phorids and Sclerids): Mix 4-6 lbs. in 60 gals. of water (0.5% to 1.0% actual diazinon) and spray on outside and inside walls and ventilators of mushroom

heating. Do not spray compost in beds or after spawning. To treat wooden sides of beds, posts, doors, and door frames after pasteurizing, mix ½ lb. in 6 gals. of water and apply with a brush.

Do not treat compost.

Onions
Onion thrips: Apply 1 lb. per acre. Do not apply within 10 days of harvest.

Peas
Aphids, Leafminers: Apply ¼-1 lb. per acre. Peas may be picked immediately. Pea vines and pea vine hay may be fed to dairy and beef cattle and sheep. Wait 4 days following treatment if forage is to be cut for hay.

Peppers
Aphids, Serpentine leafminer: Apply ½ lb. per acre. Do not apply within 5 days of harvest.

Potatoes
Aphids, Flea beetles, Colorado potato beetle, Dipterous leafminer: Apply ½-¾ lb. per acre.
Banded cucumber beetle, Leafhoppers, Southern armyworm: Apply ¾-1 lb. per acre.
Do not apply within 35 days of harvest.

Radishes, Parsnips, Turnips
Aphids, Flea beetles, Dipterous leafminer: Apply ½-1 lb. per acre. Do not apply within 10 days of harvest.

VEGETABLE SOIL INSECTS

DIAZINON 50 should always be applied as a spray in sufficient water to assure thorough coverage of the soil.

Carrot rust fly

Carrots: Apply 4 lbs. per acre as a drench to the seed furrow at planting time.

Cutworms (Surface and Subterranean)

| | | |
|-------------------|------------|---------------|
| Broccoli | Kale | Spinach |
| Brussels Sprouts | Lettuce | Summer Squash |
| Cabbage | Lima Beans | Sweet Corn |
| Cantaloupes | Muskmelons | Swiss Chard |
| Cauliflower | Parsley | Tomatoes |
| Celery | Peas | Watermelons |
| Collards | Peppers | Winter Squash |
| Cucumbers | Potatoes | |
| Endive (escarole) | Snap Beans | |

Broadcast 4-8 lbs. per acre just prior to planting. Work into the soil immediately, 2-3 inches for surface cutworms, 3-6 inches for subterranean cutworms.

Garden symphylans (Centipedes)

| | | |
|---------|------------|------------|
| Cabbage | Peas | Snap Beans |
| Carrots | Pole Beans | Tomatoes |
| Corn | Radishes | Turnips |
| Lettuce | Red Beets | |

Broadcast 20 lbs. per acre just prior to planting. Work into soil 4-8 inches immediately. This preplant treatment will also control other soil insects: cutworms (surface and subterranean), mole crickets, root maggots, and wireworms.

Mole crickets

| | | |
|------------------|-------------------|----------|
| Broccoli | Endive (escarole) | Peppers |
| Brussels Sprouts | Kale | Radishes |
| Cabbage | Lettuce | Tomatoes |
| Cauliflower | Mustard | Turnips |
| Collards | | |

Broadcast 2 lbs. per acre when insects are present. Make application to plant beds or fields 1-2 days prior to sowing of seed or transplanting and work into soil 1-2 inches immediately.

Onion maggots

Onions: Furrow Application: Apply 2 lbs. per acre in sufficient water to drench the seed furrow at planting time.

FIELD AND FORAGE INSECTS

DIAZINON 50 should always be applied as a spray in sufficient water to assure thorough coverage of the foliage or soil, depending on the type of application.

Alfalfa, Clover and Trefoil

Spotted alfalfa aphid, Yellow clover aphid, Pea aphid, Leafhoppers, Plant bug nymphs, Mites: Apply ¼-1 lb. per acre.

Grasshoppers: Apply 1 lb. per acre.

Cutworms (Surface and Subterranean): Broadcast 4-8 lbs. per acre just prior to planting. Work into the soil immediately, 2-3 inches for surface cutworms, 3-6 inches for subterranean cutworms.

Dairy and beef cattle and sheep (1) may be grazed immediately following application, (2) may be fed green alfalfa or clover immediately following cutting, and (3) may be fed hay provided alfalfa or clover is not cut for hay for 7 days following treatment.

Alfalfa weevil larvae: For control in the spring, apply 2-3 lbs. per acre when feeding damage to grass is first observed.

Aphids, Dipterous leafminer: Apply ½-1 lb. per acre. Do not apply to spinach within 10 days, or to beets within 14 days, of harvest.

Squash (Summer and Winter)

See Melons and Squash section.

Sweet Corn

Corn earworm: Apply 2-2½ lbs. per acre when silks first appear. Two or three repeat applications at 2-3 day intervals will usually be necessary. Corn may be picked immediately following last application. Corn forage may be fed to dairy and beef cattle and sheep.

Refer also to Corn under Field and Forage Insects.

Tomatoes

Aphids, Dipterous leafminer: Apply ½ lb. per acre. To control leafminers weekly applications are usually required.

Banded cucumber beetle, Fall armyworm, Southern armyworm: Apply ¾-1 lb. per acre.

Vinegar fly (*Drosophila spp.*): Apply ½-1½ lbs. per acre. Weekly applications are usually required.

Do not apply within 1 day of harvest.

Watercress (Hawaii only)

Cyclamen mite: Apply 1 lb. in 100 gals. of water per acre. Direct spray to crowns and growing tips of plants. If infestation is heavy, make a second application no later than 10 days after the first application. Repeat applications as necessary. Do not apply within 5 days of harvest.

sufficient water to drench the seed furrow at planting time. Broadcast Application: Broadcast 4-8 lbs. per acre just prior to planting. Work into soil 3-4 inches immediately.

Root maggots

Broccoli, Brussels sprouts, Cabbage, and Cauliflower: (1) Broadcast Application: Broadcast 4-6 lbs. per acre and immediately work into the soil 3-4 inches before seeding, either in the seedbed or in the field or before transplanting. (2) Transplant Water (Drench) Application: Mix ¼-½ lb. in 50 gals. of transplant water, when 200-300 gals. of water are used per acre. May be applied at the rate of ½-1 cupful per plant, either by hand or by tractor-mounted sprayer equipped with drop nozzles to direct spray to the base of the plant. Transplant water treatments may result in stand reduction due to plant stress at time of transplanting.

Radishes: Mix 2 lbs. in 50 gals. of water. Apply 80-100 gals. per acre. (1-1½ gals. per 1000 linear feet of row) in the seed furrow at planting time.

Wireworms

| | | |
|------------------|-------------------|----------------|
| Broccoli | Endive (escarole) | Snap Beans |
| Brussels Sprouts | Kale | Spinach |
| Cabbage | Lettuce | Summer Squash |
| Cantaloupes | Lima Beans | Sweet Corn |
| Carrots | Muskmelons | Sweet Potatoes |
| Cauliflower | Onions | Swiss Chard |
| Celery | Parsley | Tomatoes |
| Collards | Peas | Watermelons |
| Cucumbers | Peppers | Winter Squash |

Broadcast 6-8 lbs. per acre prior to planting, and work into soil 4-8 inches immediately.

Potatoes: Broadcast 6-12 lbs. per acre prior to planting. Immediately disk or harrow into soil 4-8 inches.

Southern potato wireworm

Potatoes (Southeastern U.S.): For potatoes on mineral soils, broadcast 4-8 lbs. per acre prior to planting, and immediately work into soil 3-6 inches depending on location of wireworms.

For subterranean cutworms, apply just prior to planting and work into 3-6 inches of soil immediately.

Wireworms: Apply 6-8 lbs. per acre prior to planting and work into 4-8 inches of soil immediately.

Corn leaf aphid: Apply 1-2 lbs. per acre in sufficient water to provide complete coverage of the upper portions of plants. Repeat application as necessary.

Grasshoppers: Apply 1 lb. per acre.

Sap beetle: Apply 2-2½ lbs. per acre. Add 1-2 gals. of soluble mineral oil per acre to the spray mixture. Consult local agricultural authorities for proper timing of sprays.

Corn may be picked immediately following last application. Corn forage may be fed to dairy and beef cattle, and sheep.

Cotton

Spider mites, Aphids, Leafhoppers, Lygus bug, Cotton bollworm, Colorado potato beetle: Apply 1-2 lbs. in 5-20 gals. of water per acre. Repeat as infestation warrants.

Mole crickets: Broadcast 2 lbs. per acre, when insects are present. Make application to beds or fields 1-2 days prior to sowing seed or transplanting, and work into 1-2 inches of soil immediately.

Note: Allow 1 day between last application and harvest. Bagasse and forage may be fed to livestock.

Wireworms: Apply 8 lbs. per acre on a 12-inch band centered over the furrow in sufficient water to obtain thorough coverage. Make application directly to seed pieces in open furrow at covering time.

Tobacco

Aphids, Flea beetles: Apply ½-¾ lbs. per acre. Do not apply within 3 days of harvest.

Cutworms: Broadcast 4-6 lbs. per acre before transplanting and work into 2-4 inches of soil immediately.

Green June beetle larvae: Mix ¼ lb. in 50 gals. of water and apply as a drench (100 gals. per 100 sq. yds.) to

RANGE, PASTURE, AND GRASSLAND INSECTS

Bermudagrass

Thrips, Whiteflies, Grasshoppers: Apply 1 lb. per acre.

Rangeland, Pasture, Grass Forage, Ditch Banks, Roadside, Wasteland, Noncrop Areas, Barrier Strips
Grasshoppers: Apply ¼-1 lb. per acre in sufficient water or oil to obtain thorough coverage when insects first appear, preferably in the nymphal stage.

Dairy and beef cattle, and sheep (1) may be grazed immediately following application, (2) may be fed green forage immediately following cutting, and (3) may be fed hay, provided grass is not cut for hay for 21 days if the spray is a water solution, or for 30 days if the spray is an oil solution. Do not spray livestock directly with either air or ground equipment except as indicated under Livestock Insects. Do not repeat application for 30 days.

LIVESTOCK INSECTS

Sheep "Ticks" (Keds), Lice

High gallonage, high pressure spray: Mix ½ lb. in 100 gals. of water, and apply at the rate of 1 gal. per animal.

Low gallonage, low pressure spray: Mix 1 lb. in 100 gals. of water. Apply at the rate of 1 qt. per animal.

Sprinkler Can: Mix 1 oz. in 6 gals. of water. Crowd sheep

into a small pen and sprinkle 1 qt. of this mixture over the head, neck, top, and side of each sheep. Stir or agitate mixture frequently.

Note: Do not slaughter sheep within 14 days after treatment. Repeat applications as necessary.

ORNAMENTAL INSECTS

To control certain insects on ornamentals, such as Arborvitae, Azalea, Birch, Boxwood, Camelia, Carnation, Chrysanthemum, Douglas Fir, Elm, Gladiolus, Hawthorn, Holly, Juniper, Lilac, Locust, Maple, Oak, Pine, Plum, Poplar, Rhododendron, Rose, Spruce, and Willow, apply the recommended rates indicated below.

| Insects | Amount Diazinon 50 to Use | |
|---|---------------------------|---------------------|
| | per 3 gals. water | per 100 gals. water |
| Aphids, Bagworms, Carnation bud mites, Carnation shoot mites, Clover mites, Cyclamen mites, Dipterous leafminers, European pine shoot moths, European red mites, Flea beetles, Holly bud moths, Leafhoppers, Obscure root weevils, Omnivorous leafhoppers, Privet mites, Scale crawlers: (Cottoncushion, Lecanium, Pine needle, San Jose, Soft scale), Thrips, Twospotted mites, Webworms, Whiteflies | ½ oz. | 1 lb. |
| Apple-and-thorn skeletonizers, Coloneaster webworms, Fall webworms, Hemlock cherries, Oak loopers, Obliquebanded leafrollers, Pear slugs, Tent caterpillars | 1½ oz. | 3 lbs. |

Do not use on Ferns, Poinsettia, Hibiscus, Papaya, Pilea, and Gardenia, since injury to the plants may occur.

Moss webworms: Mix ½ oz. in 3 gals. of water (or 1 lb. in 100 gals. of water) and apply as a thorough foliar spray when adults first appear. Make a second and third application at 4-5 week intervals.

LAWN INSECTS

To control insects listed below, apply recommended rates. For insects such as Ants, Brown dog ticks, Clover mites, Crickets, Earwigs, Fleas, Millipedes, Sowbugs, and Springtails (Collembola), which are commonly found near the house and may enter the house, spray a 5-ft. band of soil around the house as well as the house foundation wall to a height of 2-3 ft. Repeat application if necessary.

| Insects | Rate/1000 sq. ft. | | Remarks |
|---|--------------------|------------|---|
| | Diazinon 50 | Water | |
| Lawn chinch bugs | 2-3 oz. or 3-6 oz. | 25 gals. * | Use higher rate for longer residual control and in lawns of dense growth such as St. Augustine lawns |
| Ants, Armyworms, Clover mites, Springtails, (Collembola), Crickets, Cutworms, Digger wasps, Earwigs, Fleas, Lawn billbugs, Sod webworms (Lawn moths), Sowbugs | 4 oz. | 3 gals. | Spot spray ant hills and wasp ground nest openings. For lawn billbugs, irrigate the lawn thoroughly immediately after treatment. For fire flies, mow grass and water well before treatment, but delay application until grass is dry. Do not water again until necessary. |
| Brown dog ticks, Bermudagrass mites, Chiggers, Fleas, Leafhoppers | 1½ oz. | 3 gals. | Do not apply to animals. For brown dog ticks, spray grass and under shrubbery, particularly near house. |
| Millipedes | 8 oz. | 3 gals. | |
| Rhodgrass scales | 5 oz. | 25 gals. * | Apply when crawlers first emerge |

*Application can be made in 3 gals. of water per 1000 sq. ft. Thoroughly water treated area immediately following application.

Boxelder bugs: Spray bugs outside the home with 1½-2½ oz. in 1 gal. of water. At the same time, spray thoroughly around foundation, windows, doors, tree trunks, and into cracks and other places where the insects hide.

SEED TREATMENT—PLANTER-BOX TREATMENT

Corn

Seedcorn beetle: mix 3 oz. per bushel of seed as a dry mixture in the planter box as a seed treatment prior to planting.

Corn, Peas, Soybeans, and Beans (Lima, Snap, White and Kidney) Seedcorn maggot: Mix ½ oz. per bushel of seed as a dry mixture in the planter box as a seed treatment prior to planting.

Note: If seed has not been treated with a fungicide, use Captan or Thiram in combination with DIAZINON 50 at rates indicated on fungicide package. Failure to use a fungicide with DIAZINON 50 may result in injury to the seed. If the seed treatment increases the friction between seeds sufficient to reduce the rate of delivery through the planter, ½ oz. of graphite per bushel of seed should be added as a drill lubricant. Adjust the planter to the required rate of seed delivery with the fertilizer spreader.

| | | |
|--------------------------------|------------|------------|
| Garden symphylans (Centipedes) | | |
| Cabbage | Peas | Snap Beans |
| Carrots | Pole Beans | Tomatoes |
| Corn | Radishes | Turnips |
| Lettuce | Red Beets | |

Broadcast 20 lbs. per acre just prior to planting. Work into soil 4-8 inches immediately. This preplant treatment will also control other soil insects; cutworms (surface and subterranean), mole crickets, root maggots, and wireworms.

| | | |
|------------------|-------------------|----------|
| Mole crickets | | |
| Broccoli | Endive (escarole) | Peppers |
| Brussels Sprouts | Kale | Radishes |
| Cabbage | Lettuce | Tomatoes |
| Cauliflower | Mustard | Turnips |
| Collards | | |

Broadcast 2 lbs. per acre when insects are present. Make application to plant beds or fields 1-2 days prior to sowing of seed or transplanting and work into soil 1-2 inches immediately.

Onion maggots
Onions: Furrow Application: Apply 2 lbs. per acre in sub-

FIELD AND FORAGE INSECTS

DIAZINON 50 should always be applied as a spray in sufficient water to assure thorough coverage of the foliage or soil, depending on the type of application.

Alfalfa, Clover and Trefoll
Spotted alfalfa aphid, Yellow clover aphid, Pea aphid, Leafhoppers, Plant bug nymphs, Mites: Apply ¼-1 lb. per acre.

Grasshoppers: Apply 1 lb. per acre.

Cutworms (Surface and Subterranean): Broadcast 4-8 lbs. per acre just prior to planting. Work into the soil immediately, 2-3 inches for surface cutworms, 3-6 inches for subterranean cutworms.

Dairy and beef cattle and sheep (1) may be grazed immediately following application, (2) may be fed green alfalfa or clover immediately following cutting, and (3) may be fed hay provided alfalfa or clover is not cut for hay for 7 days following treatment.

Alfalfa weevil larvae: For control in the spring, apply 2-3 lbs. per acre when feeding damage to growing tips becomes evident. Repeat application, if necessary. If damage is already extensive, cut the hay and make application to the stubble. Do not graze dairy and beef animals or sheep for 2 days. Do not cut for hay for 10 days following treatment.

Do not spray livestock directly except as indicated below under Livestock Insects, with either air or ground equipment.

Do not treat during bloom to avoid injury to pollinating insects.

Corn
Corn rootworm larvae—
(Postemergence Basal Treatment):

Apply 1½-2½ oz. per 1000 linear feet of corn row in sufficient water to wet base of corn plant and a narrow band of soil next to the plant. Refer to row spacing chart for amounts recommended per acre. Cover treated band with 2-3 inches of soil using a disk tiller or cultivator immediately after spraying. Application should be made at the first sign of corn rootworm larvae. Application should not be made later than June 24 in the Middle Corn Belt or July in the Northern Corn Belt.

SUGGESTED RATES ACCORDING TO ROW SPACING FOR CORN ROOTWORM LARVAE CONTROL

| Spacing | Linear Feet of Corn Row/Acre | Amount of Diazinon 50/Acre |
|---------|------------------------------|-------------------------------|
| | | Postemergence Basal Treatment |
| 48" | 10,890 | 14-28 oz |
| 42" | 12,455 | 15½-31 oz |
| 40" | 13,068 | 16-32 oz. (1-2 lbs) |
| 38" | 13,939 | 17½-35 oz. |
| 36" | 14,250 | 18-36 oz |
| 30" | 17,424 | 22-44 oz (1½-2½ lbs) |
| 24" | 21,780 | 27½-55 oz |
| 20" | 26,136 | 32-64 oz (2-4 lbs) |
| 15" | 34,848 | 44-88 oz |

Note: For row spacings not listed, calculate the appropriate dosage rates based on the 40-inch row figures.

Seed maggot: Broadcast 4-8 lbs. per acre just prior to planting. Work into 2 inches of soil immediately.

Cutworms (Surface and Subterranean): Broadcast 4-8 lbs. per acre. For surface cutworms apply just prior to planting or when larvae first appear and work into 1-2 inches of soil immediately. Do not apply later than hay-by-

gals. per acre (1-1½ gals. per 1000 linear feet of row in the seed furrow at planting time.

| | | |
|------------------|-------------------|----------------|
| Wireworms | | |
| Broccoli | Endive (escarole) | Snap Beans |
| Brussels Sprouts | Kale | Spinach |
| Cabbage | Lettuce | Summer Squash |
| Cantaloupes | Lima Beans | Sweet Corn |
| Carrots | Muskmelons | Sweet Potatoes |
| Cauliflower | Onions | Swiss Chard |
| Celery | Parsley | Tomatoes |
| Collards | Peas | Watermelons |
| Cucumbers | Peppers | Winter Squash |

Broadcast 6-8 lbs. per acre prior to planting, and work into soil 4-8 inches immediately.

Potatoes: Broadcast 6-12 lbs. per acre prior to planting. Immediately disk or harrow into soil 4-8 inches.

Southern potato wireworm
Potatoes (Southeastern U.S.): For potatoes on mineral soils, broadcast 4-8 lbs. per acre prior to planting, and immediately work into soil 3-6 inches depending on location of wireworms.

For subterranean cutworms, apply just prior to planting and work into 3-6 inches of soil immediately.

Wireworms: Apply 6-8 lbs. per acre prior to planting and work into 4-8 inches of soil immediately.

Corn leaf aphid: Apply 1-2 lbs. per acre in sufficient water to provide complete coverage of the upper portions of plants. Repeat application as necessary.

Grasshoppers: Apply 1 lb. per acre.

Sap beetle: Apply 2-2½ lbs. per acre. Add 1-2 gals. of soluble mineral oil per acre to the spray mixture. Consult local agricultural authorities for proper timing of sprays.

Corn may be picked immediately following last application. Corn forage may be fed to dairy and beef cattle, and sheep.

Cotton
Spider mites, Aphids, Leafhoppers, Lygus bug, Cotton leafworm, Cotton leafperforator: Apply 1-2 lbs. in 5-25 gals. of water per acre. Repeat as infestation warrants. Do not apply within 14 days of harvest. Do not graze treated cotton plants, or feed gin wastes to livestock.

Cowpeas
Cutworms (Surface and Subterranean): Broadcast 4-8 lbs. per acre, just prior to planting. Work into 2-3 inches of soil for surface cutworms, 3-6 inches for subterranean cutworms.

Hops
Aphids, Mites: Apply 2 lbs. per acre. Do not apply within 14 days of harvest.

Lespedeza
Cutworms (Surface and Subterranean): Broadcast 4-8 lbs. per acre just prior to planting. Work into 2-3 inches of soil immediately for surface cutworms, 3-6 inches for subterranean cutworms

Peanuts
Cutworms: Apply 4 lbs. per acre in a 12-inch band over the row. Use sufficient water to achieve thorough coverage. Begin application when small larvae appear. Two or three additional applications at 3-week intervals may be necessary. Do not apply within 21 days of peanut harvest.

Note: Livestock (1) may be fed peanut hulls, (2) may be fed peanut forage 7 days following treatment, and (3) may be fed peanut hay 21 days following treatment.

Sorghum
Sorghum midge: Apply ½-1 lb. per acre when 90% of the heads have emerged from the boot. Repeat application within 4 days.

Crop may be fed to livestock immediately following treatment. Do not apply within 7 days of harvesting for grain.

Cutworms (Surface and Subterranean): Broadcast 4-8 lbs. per acre just prior to planting. Work into 2-3 inches of soil immediately for surface cutworms, 3-6 inches for subterranean cutworms.

Soybeans
Cutworms (Surface and Subterranean): Broadcast 4-8 lbs. per acre just prior to planting. Work into 2-3 inches of soil immediately for surface cutworms, 3-6 inches for subterranean cutworms.

Sugar Beets
Beet leafhopper, Dipterous leafminer, Aphids: Apply ¼-1 lb. per acre.

Grasshoppers: Apply 1 lb. per acre.

Wireworms: Broadcast 6-8 lbs. per acre just prior to planting, and work into 4-8 inches of soil immediately. Tops may be fed to beef and dairy animals

| | | |
|---|--------|-------|
| Whiteflies | | |
| Apple-and-thorn skeletonizers, Cottonaster webworms, Fall webworms, Hemlock chermes, Oak looper, Obliquebanded leafrollers, Pear slugs, Tent caterpillars | 1/2 oz | 3 lbs |

Do not use on Ferns, Poinsettia, Hibiscus, Papaya, Pilea, and Gardenia, since injury to the plants may occur.
Mimosid webworms: Mix ½ oz. in 3 gals. of water (or 1 lb. in 100 gals. of water) and apply as a thorough foliar spray when adults first appear. Make a second and third application at 4-5 week intervals.

LAWN INSECTS

To control insects listed below, apply recommended rates. For insects such as Ants, Brown dog ticks, Clover mites, Crickets, Earwigs, Fleas, Millipedes, Sowbugs, and Springtails (Collembola), which are commonly found near the house and may enter the house, spray a 5-ft. band of soil around the house as well as the house foundation wall to a height of 2-3 ft. Repeat application if necessary.

| Insects | Rate/1000 sq. ft. | | Remarks |
|--|-------------------|-----------|--|
| | Diazinon 50 | Water | |
| Lawn chinch bugs | 2-3 oz or 3-6 oz. | 25 gals * | Use higher rate for longer residual control and in lawns of dense growth, such as St. Augustine lawns |
| Ants, Armyworms, Clover mites, Springtails, (Collembola), Crickets, Cutworms, Digger wasps, Earwigs, Fire flies, Lawn billbugs, Sod webworms (Lawn moths), Sowbugs | 4 oz | 3 gals | Spot spray ant hills and wasp ground nest openings For lawn billbugs, irrigate the lawn thoroughly immediately after treatment For fire flies, mow grass and water well before treatment, but delay application until grass is dry. Do not water again until necessary |
| Brown dog ticks, Bermudagrass mites, Chiggers, Fleas, Leafhoppers | 1½ oz. | 3 gals | Do not apply to animals. For brown dog ticks, spray grass and under shrubbery, particularly near house |
| Millipedes | 8 oz | 3 gals | |
| Rhodesgrass scales | 5 oz | 25 gals * | Apply when crawlers first emerge |

* Application can be made in 3 gals. of water per 1000 sq. ft. Thoroughly water treated area immediately following application.

Boxelder bugs: Spray bugs outside the home with 1½-2½ oz. in 1 gal. of water. At the same time, spray thoroughly around foundation, windows, doors, tree trunks, and into cracks and other places where the insects hide.

SEED TREATMENT—PLANTER-BOX TREATMENT

Corn
Seedcorn beetle: mix 3 oz. per bushel of seed as a dry mixture in the planter box as a seed treatment prior to planting.

Corn, Peas, Soybeans, and Beans (Lima, Snap, White and Kidney) Seedcorn maggot: Mix ½ oz. per bushel of seed as a dry mixture in the planter box as a seed treatment prior to planting.

Planter-box Mixing Instructions: Stir seed slightly using a mixing stick. Additional mixing will result from the operation of the planter. DO NOT MIX WITH BARE HANDS.

Note: If seed has not been treated with a fungicide, use Caplan or Thiram in combination with DIAZINON 50 at rates indicated on fungicide package. Failure to use a fungicide with DIAZINON 50 may result in injury to the seed. If the seed treatment increases the friction between seeds sufficient to reduce the rate of delivery through the planter, ½ oz. of graphite per bushel of seed should be added as a drill lubricant. Adjust the planter to give the required rate of seed delivery with the treated seed.
Caution: DIAZINON 50 treated grain cannot be used for feed for livestock, or for the preparation of products for human consumption.

FLY CONTROL

Fly control in barns and animal sleeping quarters (except dairy barns, milk rooms, and poultry houses).

Bait Sprays:
Mix the appropriate amount of DIAZINON 50 with 1 lb. of sugar (or 2 cups of syrup or molasses) for the desired application.

For knapsack or similar type sprayer, mix ½ lb. with the sugar in 2½ gals. of water and spot treat areas frequented by flies including cracks, crevices, doorways, around windows, or other areas where flies congregate. Repeat applications as fly populations warrant.

For sprinkling can application, mix 2 oz. with the sugar in 5 gals. of water and sprinkle lightly over the floor in areas frequented by flies. Applications every day or two will generally be required.

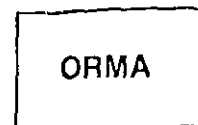
Do not contaminate milk, feed, drinking water, or apply to animals or poultry. Do not use in edible product areas of food processing plants or other areas where food is commercially prepared or processed. Do not use in dwellings.

Residual Sprays:
Remove animals from buildings prior to treatment and keep animals out for at least four hours. Mix 2 lbs. of DIAZINON 50 in 25 gals. of water and apply as an overall spray to ceilings and walls of livestock sheds, calf barns, hog barns, loading sheds, and other farm buildings except poultry houses, dairy barns, and milk rooms. Areas where flies congregate, such as garbage dumps and corrals, should be sprayed thoroughly. Longer residual control may be obtained by increasing the rate to 4 lbs. in 25 gals. of water. Applications should be made to point of runoff. One gal. of the above spray should cover from 350-750 sq. ft. of area, depending on the surface treated. Repeat applications as fly populations warrant.

Conditions of Sale and Warranty

The Directions for Use of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with 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 Chemical or the Seller. All such risks shall be assumed by the Buyer. Platte Chemical warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the Directions for Use subject to the inherent risks referred to above. Platte Chemical makes no other express or implied warranty of fitness or merchantability or any other express or implied warranty. In no case shall Platte Chemical or the Seller be liable for consequential, special, or indirect damages resulting from the use or handling of this product. Platte Chemical and the Seller offer this product, and the Buyer and user accept it, subject to the foregoing Conditions of Sale and Warranty, which may be varied only by agreement in writing signed by a duly authorized representative of Platte Chemical.

Diazinon Mixture
RO NA2783



Formulated for
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