

34704-435

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US ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (TS-767) WASHINGTON, DC 20460 NOTICE OF PESTICIDE: <input type="checkbox"/> REGISTRATION <input type="checkbox"/> REREISTRATION <i>(Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended)</i>	EPA REGISTRATION NO.	DATE OF ISSUANCE
	34704-435	AUG 26 1988
	TERM OF ISSUANCE Until Reregistered	
NAME OF PESTICIDE PRODUCT Clean Crop Diazinon 50 Wettable Powder Insecticide		

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

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

101 / 227602
18

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 section 3(c)(7)(A) provided that you:

1. Submit/cite all data required for registration/reregistration of your product under FIFRA section 3(c)(5) when the Agency requires all registrants of similar products to submit such data.
2. Add the phrase "EPA Registration No. 34704-435" to your label before you release the product or shipment.
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.

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

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

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

Enclosures

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL	DATE
<i>[Signature]</i>	8/26/88

DIAZINON 50WP

Insecticide

In Water Soluble Packets.
For Agricultural or Commercial Use Only



ACTIVE INGREDIENT:

Diazinon: O,O-dimethyl O-(2-isopropyl-6-methyl-4-pyrimidinyl) phosphorothioate... 50.0%

INERT INGREDIENTS:

TOTAL 100.0%

For control of certain insects on fruits, nuts, vegetables, field crops, ornamentals and turf.
For specific insects, refer to use directions.

KEEP OUT OF REACH OF CHILDREN WARNING AVISO

PRECAUCION AL USUARIO: Si usted no lee ingles, no use este producto hasta que le expliquen lo que se debe hacer.

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. Do not store below freezing (32°F). Handle carefully when stored at temperatures of less than 50°F to avoid breakage of packets. Exposure to moisture or excessive handling of water soluble packets may cause leakage. 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.

This outer package contains water soluble packets of DIAZINON 50WP. Inner packets and their contents dissolve in water. Do not open packets. Do not excessively handle packets or allow them to become wet prior to adding to the spray tank.

See Attached Booklet For Additional Precautionary Statements And Directions For Use

EPA REG. NO. 34704-

NET CONTENTS 4 x 8 OZ. PACKETS

Diazinon Mixture,
RQ NA2783

ORM-A

FORMULATED FOR:
PLATTE CHEMICAL CO.
150 S. Main St.,
Fremont, NE 68025



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

20901

EXP-2Y

IN EPA LABEL DESIGN

AUG 26 1984

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

3470435
34704-435

← "CASE" LABELING

INDIVIDUAL "PACKET" LABELING



This product must not be used on golf courses and sod farms.

DIAZINON 50WP

Insecticide IN WATER SOLUBLE PACKETS

ACTIVE INGREDIENT:

Diazinon: O,O-dimethyl O-(2-isopropyl-6-methyl-4-pyrimidinyl) phosphorothioate... 50.0%

INERT INGREDIENTS:

TOTAL 100.0%

KEEP OUT OF REACH OF CHILDREN WARNING AVISO

See Booklet Attached to Outer Bag For Precautionary Statements And Directions For Use.

EPA REG. NO. 34704-

NET WEIGHT: 8 OZ.

FORMULATED FOR: PLATTE CHEMICAL CO.
150 S. Main St., Fremont, NE 68025

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

20901

EXP-2Y



DIAZINON 50WP

Insecticide
IN WATER SOLUBLE PACKETS

EPA REG. NO. 34704-

SPRINKLER CHEMIGATION

The system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.

The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.

The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.

The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.

Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

Do not apply when wind speed favors drift beyond the area intended for treatment.

Mix in clean supply tank the recommended amount of this product for acreage to be covered, and needed quantity of water.

Provide constant mechanical agitation in supply tank to keep this product suspended throughout application operations.

Use sufficient gallonage of water to obtain thorough and uniform coverage, but not cause runoff or excessive leaching. This will vary depending on equipment, pest problem and stage of crop growth. Application of more or less than optimal quantity of water may result in decreased chemical performance, crop injury or illegal pesticide residues.

Meter this product into the irrigation water uniformly during the period of operation.

Do not overlap application. Follow recommended label rates, application timing, and other directions and precautions for crop being treated.

This product may be applied through irrigation systems—chemigation—for application to CRANBERRIES only. Apply this product only through solid set sprinkler irrigation systems. Do not apply this product through any other type of irrigation system.

Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from nonuniform distribution of treated water.

If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts.

Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the pesticide label-prescribed safety devices for public water systems are in place.

A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

CHEMIGATION SYSTEMS CONNECTED TO PUBLIC WATER SYSTEMS

Note: Platte Chemical Company does not encourage connecting chemigation systems to public water supplies. The following information is provided for users who have diligently considered all other application and water supply options before electing to make such a connection.

Public water system means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year.

Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone, backflow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.

The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.

The pesticide injection pipeline must contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops, or in cases where there is no water pump, when the water pressure decreases to the point where pesticide distribution is adversely affected.

Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

Do not apply when wind speed favors drift beyond the area intended for treatment.

FORMULATED FOR

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

20901

EXP-77



This product must not be used on golf courses and sod farms.

DIAZINON 50WP

Insecticide

IN WATER SOLUBLE PACKETS

ACTIVE INGREDIENT:

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

Diazinon 50WP is a wettable powder
For Agricultural or Commercial Use Only.

For control of certain insects on fruits, nuts, vegetables, field crops, ornamentals and turf.
For specific insects, refer to use directions.

KEEP OUT OF REACH OF CHILDREN

WARNING AVISO

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

EPA REG. NO. 34704-

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GENERAL INFORMATION

DIAZINON 50WP 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.

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

Prepare spray mixture, drop the required number of unopened, water soluble packets of DIAZINON 50WP into the spray tank, while filling with water to the desired level. Be certain packet and its contents have completely dissolved and dispersed before applying spray. Operate agitator while mixing and applying.

Do not open packets or allow them to become wet prior to adding to the spray tank. Wear gloves when handling. If all water soluble packets are not used, store remaining packets in resealed, outer package.

Do not apply this product through any type of irrigation system except for use on cranberries. Refer to cranberry section of label for referral to chemigation directions.

FRUIT AND NUT INSECTS

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

*NOTE: The rate of DIAZINON 50WP 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 8 lbs of DIAZINON 50WP per acre when applied as dilute ground spray volumes.

Almonds
Mites, twig borers: Apply 1-1 1/2 lbs DIAZINON 50WP per 100 gals of water as infestations develop.

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: Diazinon is an organophosphate insecticide. If symptoms of cholinesterase inhibition are present, atropine sulfate by injection is antidote. 2 PAM is also antidotal and may be administered, but only in conjunction with atropine.

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 watercourse beds). Do not apply in 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 label. This pesticide is highly toxic to bees and other beneficial insects remaining on the treated area. Do not apply to crop, cover crop, or weeds blooming in or about to bloom. Do not apply to areas to be used to provide the maximum possible period of bee activity.

DIRECTIONS:

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

RE-ENTRY:

Do not enter treated areas without protective clothing means, at least, a hat or other head covering, long sleeves, and long legged trousers or a coverall covering the body, including the wrists and ankles. Some states may require more restrictive clothing with this product. Consult your State Department of Agriculture for such a person's protection. Do not apply this product in such a manner as to expose workers or other persons. The area must be protected persons. Written or oral warnings must be given to anyone entering treated area or in an area about to be treated. Warnings must be given if there is reason to believe that the area is hazardous to workers. When oral warnings are given, they must be customarily understood by workers. Written warnings must include the following:

(Insert area or field description) treated with Diazinon 50WP. Do not enter treated area until sprays have dried. In case of accident, call clinic or hospital immediately and describe the product as Diazinon 50WP. The "STATEMENT OF PRACTICAL TREATMENT" must include the same information.

Scale (including San Jose, parasitic, 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 1-1 1/2 lbs DIAZINON 50WP plus 2-3 gals of dormant oil or 1-1 1/2 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, parasitic, 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 50WP plus 2 gals dormant oil or 1-1 1/2 gals superior type oil per 100 gals of water.

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

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 50WP 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 50WP 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 50WP is used in the regular cover spray program. Slight russeting 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, parasitic, 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 1-1 1/2 lbs DIAZINON 50WP plus 2 gals of dormant oil or 1-1 1/2 gals of water.

Aphids, Brown mite (Clover mite), Twospotted mite: Mix 1 lb per 100 gals of water. Make 3-8 cover spray applications, beginning in the pink stage.

Olive scale crawlers: Mix 1/2 lb of DIAZINON 50WP per 100 gals of water. Apply at petal fall to June.

Do not apply within 10 days of harvest.

Blueberries

Cranberry fruitworm, Cherry fruitworm, European spruce sawfly: Mix 1 lb per 100 gals of water. Apply at petal fall to June.

Do not apply within 10 days of harvest.

Caneberries (Blackberries, Boysenberries, Raspberries):

Leafhoppers, Thrips, Aphids, Twospotted mite: Mix 1 lb per 100 gals of water. Apply at petal fall to June.

Raspberry fruitworm: Apply at the above rate. Repeat application immediately before harvest.

Dryberry mite: Mix 2 lbs per 100 gals of water. Apply at petal fall to June. Repeat application when the buds are well developed.

Raspberry crown borer (Raspberry root borer): Apply as a branch to the crown area and apply as a branch to the crown area the spring before berries begin to form. Do not apply within 7 days of harvest.

Filberts
Filbert leafroller, Aphids: Apply 1-2 lbs. in 125-200 gals. of water per 1/2 acre, as a thorough cover spray.

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

Citrus aphid, Cottony cushion scale crawlers, and Soft scale crawlers: Apply 1/2-1 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.

Fruit tree leafroller: Mix 1/2-1 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.

Phylloxera spp.: Mix 8 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.

Olive

Olive scale: Mix 1/2-1 lb. of DIAZINON 50WP plus 1 1/2 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, parasitic, 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 lb. DIAZINON 50WP plus 2-3 gals. dormant oil or 1-1 1/2 gals. superior type oil per 100 gals. of water. Peach twig borer, Parasitic scale: Mix 1 lb. DIAZINON 50WP plus 1 gal. of light medium summer horticultural oil per 100 gals. of water. Apply at petal fall. 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 1/2 lb. of DIAZINON 50WP plus 1 1/2 gals. light medium horticultural oil per 100 gals. of water. Apply when scale crawlers are present. Oriental fruit moth: Mix 1 lb. per 100 gals. of water and apply at 100% petal fall. Make 2 additional applications at 10-15 day intervals. Time the last application to peak adult Oriental fruit moth flight, if possible.

Peach twig borer: Mix 1 lb. per 100 gals. of water and apply to peaches in May and June.

Leafhoppers (Peaches only): 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.

White peach scale (Peaches only): As a postharvest spray apply 1 1/2 lbs. per 100 gals. of water timed to coincide with peak crawler and immature scale activity. Under conditions of heavy infestations, 2 applications may be necessary. Do not apply to peaches within 20 days or to nectarines within 10 days, of harvest.

Pears

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

Pear psylla: Mix 1/2-1 lb. per 100 gals. of water. Apply as a cover spray at pre-pink stage. Make 1-2 additional applications during the first and second cover sprays if necessary.

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 1-1 1/2 lbs. per 1/2 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.

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.

VEGETABLE SOIL INSECTS

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

Carrot rust fly

Carrots: Apply 2 lbs. per 1/2 acre as a dranch to the seed furrow at planting time.

Terrestrial leafminer, Mealybug: Mix 1 lb. per 100 gals. of water. Apply in 3 cover sprays, beginning in April.

Refer also to the Apples section.

Do not apply within 14 days of harvest.

Pecans

Aphids, Mites, Pecan nut casebearer, Walnut caterpillar: Apply 1/2-1 1/2 lbs. per 1/2 acre as a foliage spray. Do not apply after husks crack.

Pineapple

Pineapple scale: Apply 2 lbs. DIAZINON 50WP plus 1 1/2 gals. of light medium horticultural oil in 100 gals. of water, per 1/2 acre to 1/2 acre to 1/2 acre to the plant following harvest of the pineapple.

Pineapple mealybug: Apply 2 lbs. per 1/2 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, parasitic, black, brown, apricot), Mite eggs (including European red mite, brown mite, pear leaf blister mite); Twig borers; Aphid eggs (including apple, black cherry, mealy plum); Mealybugs: Apply as a dormant spray 1 lb. of DIAZINON 50WP plus 2-3 gals. dormant oil or 1-1 1/2 gals. superior type oil per 100 gals. of water. 1st, 2nd, 4th or 11th applications, mix 1 lb. of DIAZINON 50WP 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. Leafcut plum aphid, Mealy plum aphid, Thistle aphid: Apply 1/2-1 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 into the top 1-2 inches of soil immediately. Strawberry leafroller: Mix 1/2-1 lb. per 100 gals. of water. Apply 200 gals. spray per acre when blossoms show color. Do not apply within 5 days of harvest.

Cutworms (Surface and Subterranean)

Broccoli	Kale	Snap Beans
Brussels Sprouts	Lettuce	Spinach
Cabbage	Lime Beans	Summer Squash
Cantaloupes	Muskmelons	Sweet Corn
Cauliflower	Parsley	Swiss Chard
Celery	Peas	Tomatoes
Collards	Peppers	Watermelons
Cucumbers	Potatoes	Winter Squash

Endive (escarole)
Broadcast 1 1/2 lbs. per 1/2 acre just prior to planting. Work into the soil immediately. 2-3 inches for surface cutworms, 3-8 inches for subterranean cutworms.

Garden symphylans (Centipedes)

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

Broadcast 2 lbs. per 1/2 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	Endive (escarole)	Peppers
Broccoli	Kale	Radishes
Brussels Sprouts	Lettuce	Tomatoes
Cabbage	Mustard	Turnips
Cauliflower		
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.

Broadcast Application: Broadcast 1-2 lbs. per 1/2 acre just prior to planting. Work into soil 3-4 inches immediately.

Walnuts

Aphids, Mites: Apply 2 lbs. per acre as a foliage spray.
Codling moth, Scale crawlers, Walnut caterpillar: Apply 1 1/2 lbs. per 1/2 acre. Do not apply after the husks open.

VEGETABLE FOLIAR INSECTS

DIAZINON 50WP 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 1-1 1/2 lbs. per acre. Cucumber beetle: Apply 1/2-1 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 1/2-1 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.

Celery

Aphids, Flea beetles: Apply 1 lb. in 100 gals. of water per acre. Dipterous leafminer: Apply 1/2-1 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.

Root maggots

Broccoli, Brussels sprouts, Cabbage, and Cauliflower: (1) Broadcast Application: Broadcast 1-1 1/2 lbs. per 1/2 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	Lime Beans	Sweet Corn
Carrots	Muskmelons	Sweet Potatoes
Cauliflower	Onions	Swiss Chard
Celery	Parsley	Tomatoes
Collards	Peas	Watermelons
Cucumbers	Peppers	Winter Squash

Broadcast 1 1/2-2 lbs. per 1/2 acre prior to planting, and work into soil 4-8 inches immediately.

Potatoes: Broadcast 1-2 lbs. per 1/2 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 1-2 lbs. per 1/2 acre prior to planting, and immediately work into soil 3-6 inches depending on location of wireworms.

FIELD AND FORAGE INSECTS

DIAZINON 50WP 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.

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Alfalfa, Clover and Trefoil:
 Spotted alfalfa aphid, Yellow clover aphid, Pea aphid, Leafhoppers, Plant bug nymphs, Mites. Apply $\frac{1}{2}$ -1 lb per acre.

Grasshoppers: Apply 1 lb. per acre.

Cutworms (Surface and Subterranean): Broadcast 1-2 lbs per $\frac{1}{4}$ 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 1-1 $\frac{1}{2}$ lbs per $\frac{1}{4}$ acre when feeding damage to growing tops 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.

Rootworm larvae—
 (Postemergence Basal Treatment)

Apply 1 $\frac{1}{2}$ -2 $\frac{1}{2}$ 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 harrow 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.

Spacing	Linear Feet of Corn Row/Acre	Amount of
		Diazinon 50WP/Acre Postemergence Basal Treatment
48"	10,890	14-28 oz.
42"	12,455	15 $\frac{1}{2}$ -31 oz.
40"	13,068	16-32 oz. (1-2 lbs.)
36"	13,939	17 $\frac{1}{2}$ -35 oz.
36"	14,250	18-36 oz.
30"	17,424	22-44 oz. (1 $\frac{1}{2}$ -2 $\frac{1}{4}$ lbs.)
24"	21,780	27 $\frac{1}{2}$ -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.

*Note: More packets of DIAZINON 50WP than are included in one unit package may be needed.

Seedcorn maggot: Broadcast 1-2 lbs per $\frac{1}{4}$ acre just prior to planting. Work into 2 inches of soil immediately.

Cutworms (Surface and Subterranean): Broadcast 1-2 lbs per $\frac{1}{4}$ 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 1 $\frac{1}{2}$ -2 lbs per $\frac{1}{4}$ acre prior to planting and work into 4-6 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.

Residual Sprays:

Remove animals from buildings prior to treatment and keep animals out for at least four hours. Mix 2 lbs of DIAZINON 50WP in 25 gals of water and apply as an overall spray to ceilings and walls of livestock sheds, calf barns, hog barns, feeding 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 2 lbs in 12 $\frac{1}{2}$ 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.

Bait Sprays:

Mix the appropriate amount of DIAZINON 50WP with 1 lb of sugar (or 2 cups of syrup or molasses), unless otherwise specified, for the desired application.

For knapsack or similar type sprayer, mix $\frac{1}{2}$ lb with the sugar in 2 $\frac{1}{2}$ 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 $\frac{1}{2}$ lb with 4 lbs of sugar (or 8 cups of syrup or molasses) in 20 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.

MUSHROOM HOUSES

Mushroom flies (Phorids and Sciids): Mix 1-2 lbs in 12 $\frac{1}{2}$ gals of water (0.5% to 1.0% actual diazinon) and spray on outside and inside walls and ventilators of mushroom 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 $\frac{1}{2}$ lb in 8 gals of water and apply with a brush.

Do not treat compost.

RANGE, PASTURE, AND GRASSLAND INSECTS

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

Rangeland, Pasture, Grass Forage, Ditch Banks, Roadside, Wetland, Non-corn Areas, Barrier Strips:

Grasshoppers: Apply $\frac{1}{2}$ -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 $\frac{1}{2}$ 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. Stir or agitate mixture frequently.

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

FLY CONTROL

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

Grasshoppers: Apply 1 lb per acre.
Sap beetle: Apply 1-1 $\frac{1}{4}$ lbs per $\frac{1}{4}$ 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 plucked immediately following first application. Corn forage may be fed to dairy and beef cattle, and sheep.

Cotton:
 Spider mites, Aphids, Leafhoppers, Lygus bug, Cotton leafworm, Cotton leafroller: Apply 1-2 lbs in 5-15 gals of water per acre. Repeat as infestation warrants. Do not apply within 14 days of harvest. Do not graze livestock on cotton plants, or feed gin wastes to livestock.

Compsae:
 Cutworms (Surface and Subterranean): Broadcast 1-2 lbs per $\frac{1}{4}$ 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.

Leopelera:
 Cutworms (Surface and Subterranean): Broadcast 1-2 lbs per $\frac{1}{4}$ 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 2 lbs per $\frac{1}{4}$ 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 $\frac{1}{2}$ -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.

ORNAMENTAL INSECTS

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

Insects	RATE	
	Diazinon 50WP/lb-sq. ft. indicated	Water
Aphids, Bagworms, Carnation bud mites, Carnation shoot mites, Clover mites, Cyclamen mites, Diterous leafminers, European pine shoot moths, European red mites, Flea beetles, Holly bud moths, Leafhoppers, Obscure root weevils, Omnivorous leafhoppers, Privet mites, Scale crawlers (Cottony-cushion, Lecanium, Pine needle, San Jose, Soft scale), Thrips, Twospotted mites, Webworms, Whiteflies	$\frac{1}{2}$ lb	4000 sq ft
Apple and thorn skeletonizers, Cottonaster webworms, Fall webworms, Hemlock chermes, Oak looper, Obliquebanded leafrollers, Pear slugs, Tent caterpillars		1 $\frac{1}{2}$ lbs

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

Mimosa webworms: Mix $\frac{1}{2}$ lb in 50 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, Mitepses, Sowbugs, and Springtails (Collembola), which are commonly found near the house and may enter

Cutworms (Surface and Subterranean): Broadcast 1-2 lbs per $\frac{1}{4}$ 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 1-2 lbs per $\frac{1}{4}$ 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, Diterous leafminer, Aphids: Apply $\frac{1}{2}$ -1 lb per acre.

Grasshoppers: Apply $\frac{1}{2}$ lb per acre.

Wireworms: Broadcast 1 $\frac{1}{2}$ -2 lbs per $\frac{1}{4}$ acre just prior to planting, and work into 4-6 inches of soil immediately. Tops may be fed to beef and dairy animals.

Supercane:
 Aphids: Apply $\frac{1}{2}$ -1 lb per acre.
 Note: Allow 1 day between leaf application and haying. Bagasse and forage may be fed to livestock.

Wireworms: Apply 2 lbs per $\frac{1}{4}$ acre in 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 $\frac{1}{2}$ - $\frac{3}{4}$ lbs per acre. Do not apply within 3 days of harvest.

Cutworms: Broadcast 1-1 $\frac{1}{2}$ lbs per $\frac{1}{4}$ acre before transplanting and work into 2-4 inches of soil immediately.

Green June beetle larvae: Mix $\frac{1}{2}$ lb in 50 gals of water and apply as a drizzle (100 gals per 100 sq. yds.) to uprooted areas of plant beds with sprinkling can.

Mole cricket: 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 1-3 inches of soil immediately.

Seedcorn maggot: Broadcast Application: Broadcast 1 $\frac{1}{2}$ lbs per $\frac{1}{4}$ acre, 3-4 weeks before transplanting. Work into 2 inches of soil immediately.

Wireworms: Broadcast Application: Broadcast 1-1 $\frac{1}{2}$ lbs per $\frac{1}{4}$ acre, 3-4 weeks before transplanting. Work into 6-8 inches of soil immediately.

In 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		Remarks
	Diazinon 50WP/lb-sq. ft. indicated	Water	
Lawn chinch bugs	$\frac{1}{2}$ -1 $\frac{1}{2}$ lbs / 4000 sq ft	100 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, Flea flies, Lawn billbugs, Sod webworms (Lawn moths), Sowbugs	$\frac{1}{2}$ lb / 2000 sq ft	6 gals	Spot spray ant hills and wasp ground near openings. For lawn billbugs irrigate the lawn thoroughly immediately after treatment. For flea 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	$\frac{1}{2}$ lb / 6400 sq ft	19-2 gals	Do not apply to animals. For brown dog ticks, spray grass and under shrubbery, particularly near house.
Mitepses	$\frac{1}{2}$ lb / 1000 sq ft	3 gals	
Rhodesgrass scales	$\frac{1}{2}$ lb / 1600 sq ft	40 gals	Apply when crawlers first emerge.

*Application can be made in 4.8 gals. of water per 1000 sq. ft. Thoroughly water treated areas immediately following application.
**Application can be made in 12.0 gals. of water per 4000 sq. ft. Thoroughly water treated areas immediately following application.

Shielder bugs: Spray bugs outside the home with 8 oz. in 4 gals. of water. At the same time, spray thoroughly around foundation, windows, doors, tree trunks, and into cracks and other places where the insects hide.

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 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.

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

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