



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

FEB 1 1994

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

J. Allen Dunlap, III
WILLIAM M. MAHLBURG
Agent for: PLATTE CHEMICAL CO., INC.
P.O. Box 667
Greeley, CO 80632

Subject: Label Amendment Submission of 10/05/93 in Response to PR Notice 93-7
EPA Reg. No. 34704-485
DIAZINON 40 WP

Dear Registrant:

The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is accepted subject to the comments reflected on the enclosed sheet. A copy of your proposed labeling stamped "ACCEPTED WITH COMMENTS" is enclosed.

WHAT THIS ACCEPTANCE MEANS:

Based on your certification, the Agency has accepted the labeling changes that are necessary to comply with the Worker Protection Standard (WPS) labeling requirements of 40 CFR part 156, subpart K, described in PR Notices 93-7 and 93-11. Any other labeling changes submitted in connection with this amendment application but not directly related to compliance with the WPS have not been reviewed or accepted by the Agency. If you wish to make such changes, you must submit a separate amendment application proposing them. If your product is currently suspended, the acceptance of this labeling amendment does not affect the suspension in any way.

WHAT YOU NEED TO DO NEXT:

By the next label printing make all the specified changes to your labeling. Send to EPA one (1) copy of the final printed labeling:

- BEFORE selling or distributing any product bearing the final printed labeling
- AND
- WITHIN one year from date of this acceptance.

BEST AVAILABLE COPY



Recycled/Recyclable
Printed with Soy/Canola Ink on paper that
contains at least 50% recycled fiber

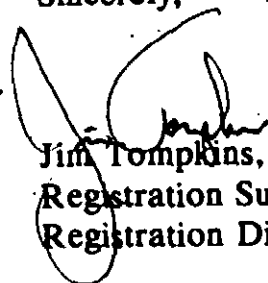
Submit the final printed labeling via the U.S. Postal Service to:

Document Processing Desk (FIN-LABEL)
Office of Pesticide Programs (7505C)
U.S. Environmental Protection Agency
401 M Street, SW
Washington, D.C. 20460-0001

Hand or courier deliveries of final printed labeling may be made to:

Document Processing Desk (FIN-LABEL)
Office of Pesticide Programs
Room 266A, Crystal Mall 2
1921 Jefferson Davis Highway
Arlington, VA 22202

Sincerely,


Jim Tompkins, Deputy Chief
Registration Support Branch
Registration Division (7505W)

Attachment

3 of 1

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division

J Allen Dunlap III
WILLIAM M. MAHLBURG
AGENT FOR: PLATTE CHEMICAL CO., INC.
- BOX 667
GREELEY CO 80632

Comment for: EPA Reg Nr.34704-485
DIAZINON 40 WP

The following specific comments pertain to your WPS
labeling submission concerning the product
cited above:

User Safety Recommendations must either be placed in a box
or printed on the label in a contrasting color from
surrounding text.

PROPOSED LABEL



DIAZINON 40 WP

ACCEPTED with COMMENTS In EPA Letter Date FEB 4 1994

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 34704-485

Organophosphate Insecticide

ACTIVE INGREDIENT:	BY WT.
O,O-diethyl O-(2-isopropyl-6-methyl-4-pyrimidinyl) phosphorothioate	40%
INERT INGREDIENTS:	60%
TOTAL	100%

**KEEP OUT OF REACH OF CHILDREN
WARNING AVISO**

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand this label, find someone to explain it to you in detail.)

EPA REG. NO. 34704-485
EPA EST. NO. 279-CA-1

NET WEIGHT _____ LBS. (_____ KG)

See Below For Additional Warning Statements.

3499

WPSEXPO9Y93

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. Avoid contamination of food and feed. Keep out of reach of domestic animals. Do not use on humans or household pets.

Personal Protective Equipment:

Applicators and other handlers must wear: coveralls over short-sleeved shirt and shorts/pants, water-proof gloves, chemical-resistant foot wear plus socks, goggles or eye wear, chemical-resistant hat/goggles or overhead exposure and chemical-resistant apron when cleaning equipment, mixing or loading.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables are detergent and hot water. Keep and wash PPE separately from other laundry.

Engineering controls statements

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides (40 CFR [162.243] (c)-(4)), the hand or PPE requirements may be reduced or modified as specified in the WPS.

USER SAFETY RECOMMENDATIONS

- Users should:
 - Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
 - Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
 - Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

This product is toxic to fish, birds, and other wildlife. Birds feeding on treated areas may be killed. For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply where runoff is likely to occur. Do not apply when weather conditions favor drift from areas treated. Do not contaminate water by cleaning of equipment or disposal of wastes. Apply this product only as specified on this label. Shrimp and crab may be killed at application rates recommended on this label. Do not apply where these are important resources. This product is highly toxic to bees exposed to direct treatment or residues on crops. Protective information may be obtained from your Cooperative Agricultural Extension Service.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

STORAGE: Store in a cool, dry place, away from heat and open flame. Do not hold partially full drums for extended periods of time. Do not store in polyethylene or plastic containers. Tank fittings containing copper, brass or rubber should not be used.

DISPOSAL: Paper and Plastic Bags—Completely empty bag into application equipment. 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. **Fiber Drum with Liners**—Completely empty liner by shaking and tapping sides and bottom to loosen clothing particles. Empty residue into application equipment. Dispose of liner in a sanitary landfill or by incineration, if allowed by State and local authorities. If drum is contaminated and cannot be reused, dispose of in the same manner.

GENERAL INFORMATION

Best control is obtained when application is made at first sign of insects. Applications should be repeated as necessary to maintain control. Since DIAZINON 40 WP is a wettable powder formulation constant agitation is necessary during application.

Do not apply this product in a way that will contact workers or other persons (either directly or through drift). Only protected handlers may be in the area during application.

For any requirements specific to your State or to be consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard (WPS) (40 CFR part 170). This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. If a label contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted entry interval (REI), the requirements in this box apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 2 hours.

A 5-day reentry interval has been established for Diazinon on citrus grapes, peaches and nectarines in California. Five days should lapse between the time of application and the time a worker may enter the field to engage in activity requiring substantial contact with treated foliage. When a mixture of two or more organic phosphorus pesticides is applied in combination, the interval shall be prolonged by adding to the longest application interval either (1) 50 percent of the shortest application interval or (2) 50 percent of the longest application interval.

BEST AVAILABLE COPY

PROX
LABEL

DIAZINON 40 WP

EPA REG. NO. 34704-485

able safety interval of 2-4 days, whichever is the longest.
PPE required for re-entry to treated areas that is permitted under the
Worker Protection Standard and that involves contact with anything
that has been treated such as plants, soil, or water: coveralls over
short-sleeved shirt and short pants, waterproof gloves, chemical-
resistant footwear plus socks, protective eyewear, and chemical-
resistant headgear for overhead exposure.

NON-AGRICULTURAL USE REQUIREMENTS
The requirements for non-agricultural use are specified in the label.
Within the scope of the Worker Protection Standard for agricultural
pesticides, 29 CFR Part 1700, this WP is applicable when this product is
used to produce agricultural plants on farms, forests, nurseries, or
greenhouses.
Keep children and pets out of the treated area until sprays have dried.

DIRECTIONS FOR DILUTION

Unless specified, use the following recommendations. For concentrate and air use on fruit and nut crops use an equivalent rate per acre where not specified.

DILUTE APPLICATION: *Ground Application:* Apply specified rate in 20 to 60 gallons of water per acre. *Orchard Application:* Apply specified rate in 100 to 800 gallons of water per acre, where rates are given on a per acre basis.

CONCENTRATE APPLICATION: *Ground Application:* Apply specified rate in not less than 5 gallons of water per acre. *Orchard Application:* Apply specified rate in 20 to 100 gallons of water per acre. Special concentrate equipment is necessary for these uses.

AIR APPLICATION: Apply specified rate in 5 to 20 gallons of water per acre. Orchard rates should not be applied in less than 10 gallons of water per acre.

CHEMIGATION: Refer to supplemental labeling entitled "APPLICATION THROUGH IRRIGATION SYSTEMS—CHEMIGATION" for use directions for chemigation. Do not apply this product through any irrigation system unless the supplemental labeling on chemigation is followed.

FRUIT & NUT CROPS

WHERE RATES ARE GIVEN PER 100 GALLONS OF WATER THE MAXIMUM RATE PER ACRE IS GIVEN IN PARENTHESES AT THE END OF EACH CROP CLAIM.

ALMONDS: Unless specified, use the following rates of DIAZINON 40 WP: 1 1/4 to 2 lbs. per 100 gallons of water. *Mites, Peach Twig Borer* - apply at first signs of insects and repeat as necessary. *Parlatoria Scale, San Jose Scale* - Dormant Spray - add 6-8 gals. (3-6 gals. concentrate) spray oil per acre. No time limitation. (15)

APPLES: Unless specified, use the following rates of DIAZINON 40 WP: 1 1/4 lbs. per 100 gallons of water. *Leafhoppers* - apply 3-5 applications beginning at petal fall and continuing through the growing season or as infestation develops. *San Jose Scale, Mealybugs, European Red Mite eggs, Brown Mite eggs, Apple Aphid eggs* - Dormant or delayed dormant spray - add 6-8 gals. (3-6 gals. concentrate) spray oil per acre. *Eye Spotted Bud Moths, Fruit Tree Leaf Rollers, Mealybugs* - apply 3-8 cover sprays beginning in pink stage. Do not apply within 14 days of harvest. (15)

APPLES & PEARS: Unless specified, use the following rates of DIAZINON 40 WP: 1 1/4 lbs. per 100 gallons of water. *Codling Moth, Rosy Apple Aphid, Green Apple Aphid, Woolly Apple Aphid, Mites* - apply 3-8 cover sprays beginning with first cover and timed to insect infestations. *Apple Maggots* - apply 3 cover sprays when flies are active and laying eggs. *San Jose Scale Crawlers, Forbes Scale Crawlers* - apply early in the season when crawlers first appear. If infestation warrants, make a second application 7-10 days later. Do not apply within 14 days of harvest. (15)

APRICOTS: Unless specified use the following rates of DIAZINON 40 WP: 1 1/4 lbs. per 100 gallons of water. *San Jose Scales, Brown Apricot Scales, Walnut Scale, Apricot Mealybug* - Dormant spray 6-8 gals. (3-5 gals. concentrate) spray oil per acre. *Aphids, Brown Mites, Clover Mites, Two-spotted Spider Mite, Olive Scale Crawlers, San Jose Scale* - apply when Aphid, Mites and Scale Crawlers first appear. *Olive Scale Crawlers* - apply 2 1/3 lb. with 1 gallon spray oil per 100 gallons of water. *Apricot Mealybug* - apply as a cover spray from petal fall to June. Do not apply within 10 days of harvest. (10)

BLUEBERRIES: *Cranberry Fruitworms, Cherry Fruitworm, Blueberry Maggots, Aphids, Thrips, Two-Spotted Mite* - apply 2-2 1/2 lbs. per acre in 100 to 200 gallons of water dilute or 20 to 100 gallons of water for concentrate. Special equipment is required for concentrate application. Do not apply within 7 days of harvest.

CANE BERRIES, BLACKBERRIES, BOYSENBERRIES, DEWBERRIES, LOGANBERRIES & RASPBERRIES: *Leafhoppers, Thrips, Aphids, Two-spotted Mites, Raspberry Sawflies* - apply 2-2 1/2 lbs. per acre in 100 to 200 gals. water dilute or 20 to 100 gallons of water for concentrate. Special equipment is necessary for concentrate application. *Raspberry Fruitworms* - apply at the above rates when blossom buds separate and repeat application immediately before blossoms open. *Dryberry Mites* - apply 2 1/2 lbs. per acre in 100 gallons of water. Apply as a dormant spray in early spring, when canes are still on the ground and buds are closed. *Raspberry Crown Borers (Raspberry Root Borers)* - apply 5 to 15 lbs. per acre in 100 to 300 gallons of water and apply as a drench to the crown area and to the lower canes. Apply either in the spring before berries begin to form, or in the fall after harvest. Do not apply when fruit is present. Do not apply with 7 days of harvest.

CHERRIES: Unless specified, use the following rates of DIAZINON 40 WP: 1 1/2 lbs. per 100 gallons of water. *Brown Apricot Scale, San Jose Scale, Black Scale, Black Cherry Aphid eggs, Brown Mite eggs* - Add 6-8 gals. (3-5 gals. concentrate) spray oil per acre. Apply as a dormant spray. *Eye-spotted Bud Moth, Fruit-tree Leaf Roller* - apply as a cover spray as necessary, beginning with petal fall. *Leafhoppers* - make 3-5 applications beginning at petal fall and continuing through the growing season, or apply as infestations develop. *Cherry Fruit Fly* - make 3 or 4 applications, beginning when adult flies begin to emerge and repeat at 10-day intervals. *Black Cherry Aphids* - apply as a cover spray when aphids appear and repeat after 10 days. *San Jose Crawlers* - apply during the pre-pink stage or when crawlers first appear. *Cherry Rust Mite* - apply as a supplemental spray after harvest. Do not apply within 10 days of harvest (12 1/2 Post Harvest Only) (10/10 days before harvest).

CRANBERRIES: *Blackheaded Fireworms* - apply 5 lbs. per acre in 400 gallons of water. *Cranberry Fruitworms* - apply 7 1/2 lbs. per acre in 400 gallons of water. Do not apply within 7 days of harvest.

FIGS: Unless specified, use the following rates of DIAZINON 40 WP: Dilute Application - 6-10 lbs. per acre. Air or concentrate Application - 5-7 lbs. per acre. *Vinegar Flies (Drosophila spp.), Dried Fruit Beetles* - Do not apply within 5 days of harvest at the 6 lbs. rate. Rates over 6 lbs. to 10 lbs., do not apply within 10 days of harvest.

FILBERTS: *Filbert Leaf Rollers, Aphids* - Apply 2 1/2-5 lbs. in 250-400 gals. of water per acre as a thorough cover spray. No time limitation. (5)

CITRUS FRUITS: *Grapefruit, Lemons, Limes, Oranges, Tangelos, Tangerines, Citrus Citron, Kumquats, and hybrids of these: Citrus Aphid, Cottony-cushion Scale Crawler and Scale Crawlers* - apply 6 1/4-12 lbs. per acre. Thorough cover spray when aphids and crawlers stage of scale insects first appear. *Fruit-tree Leaf Roller* - apply 6 1/4-12 lbs. per acre when 50% of eggs in egg masses have hatched in spring. *Citrus Thrips* - apply 12 1/2 lbs. per acre when thrips first appear. *Citrus Snow Scales* - apply 12 1/2 lbs. per acre as a post-bloom spray and again as summer spray, thorough cover of tree trunk, limbs, and twigs is essential. Do not apply within 2 days of harvest. Shrimp and crab may be killed at application rates recommended on this label. Do not apply where these are important resources.

GRAPES: *Pacific Spider Mites, Leafhoppers, Grape Berry Moths, Grape Leaf Folder* - apply 2 1/2 lbs. per acre. Do not apply within 10 days of harvest. *Vinegar Flies (Drosophila spp.)* - apply 1-4 lbs. per acre. Do not apply within 7 days of harvest.

OLIVES: *Olive Scale* - apply 8 lbs. plus 3-5 gals. spray oil per acre as a cover spray in June or July. Do not apply during bloom. Do not apply within 75 days of harvest. (30)

PEACHES, NECTARINES: Unless specified, use the following rates of DIAZINON 40 WP: 1 1/4 lbs. per 100 gallons of water. *San Jose Scale, Brown Apricot Scale, Walnut Scale, Apricot Mealybug* - Add 6-8 gallons (3-6 gals. concentrate) spray oil per acre as a dormant spray. *Peach Twig Borer, Parlatoria Scale* - Add 4-5 gals. spray oil per acre at petal fall. *Aphids, Brown Mites, Clover Mites, Two-Spotted Spider Mites, Olive Scale Crawlers, San Jose Scale Crawlers* - apply when aphids, mites and scale crawlers first appear. *Oriental Fruit Moth, Peach Twig Borer, Leafhoppers* - For Oriental Fruit Moth, apply at 100% petal fall then 2 more applications at 10-15 day intervals timing the last application at moth flight peak. *White Peach Scale* - apply 7-10 lbs. per acre at post-harvest timed to coincide with peak crawler and immature scale activity, two applications may be necessary for heavy infestation. Do not apply within 20 days of harvest on peaches. 10 days of harvest on nectarines. (10)

PEARS: Unless specified, use the following rates of DIAZINON 40 WP: 1 1/4 lbs. per 100 gallons of water. *Rosy Apple Aphid, Green Apple Aphid, Woolly Apple Aphid, Codling Moths, Mites, Pear Psylla, Tentiform Leaf Miners, Mealybugs, San Jose Scale Crawlers, Forbes Scale Crawlers*.

Pear Leaf Blister Mites, Mealybugs, San Jose Scales, Brown Apricot Scale - Add 6-8 gallons (3-5 gals. concentrate) spray oil per acre as a dormant spray. Do not apply within 14 days of harvest. (30 Post Harvest Only) (15/14 days before harvest).

PECANS: *Aphids, Mites, Pecan Nut Casebearers, Walnut Caterpillars* - apply 2 1/2-7 1/2 lbs. per acre. Do not apply after husks crack.

PINEAPPLES: *Pineapple Scales* - apply 12 1/2 lbs plus 2 gals. light or medium horticultural oil per acre. Apply on vegetative slips after harvest. *Pineapple Mealybugs* - apply 5 lbs. per acre. Pineapple forage and refuse may be fed to livestock 7 days after last application.

BEST AVAILABLE COPY

PROPOSED LABEL

6 of 7

DIAZINON 40 WP

EPA REG. NO. 34704-485

PLUMS & PRUNES: Unless specified, use the following rates of DIAZINON 40 WP: Dilute Application - 6-10 lbs. per acre. Air or concentrate Application - 5-7 lbs. per acre. Peach Twig Borers, Mealy Plum Aphid eggs, San Jose Scale, Parlatoria Scales, Brown Almond Mites - Add 6-8 gallons (3-5 gals. concentrate) spray oil per acre. Brown Mites, Clover Mites, European Red Mites, Leaf Curl Plum Aphids, Mealy Plum Aphids, Thistle Aphids. Do not apply within 10 days of harvest.

STRAWBERRIES: Aphids, Two-spotted Spider Mites - apply 1 1/4-2 1/2 lbs. per acre. Cyclamen Mites (direct spray to plant crowns. Agitate plants to assure thorough coverage of foliage), Mole Cricket (apply 1-2 days before transplanting and work into top 1-2 inches of soil), Strawberry Leaf Roller (apply when blossoms show color) - apply 2 1/2 lbs. per acre. Do not apply within 5 days of harvest.

WALNUTS: Aphids, Mites - apply 2 1/2 lbs. per acre. Codling Moth, Scale Crawlers, Walnut Caterpillars - apply 7 1/2 lbs. per acre. Do not apply after husks open.

VEGETABLES

Apply at first sign of insects and repeat as necessary.

BEANS (Pole Bean, Snap Bean, Lima Bean): Black Bean Aphids, Mexican Bean Beetle, Leaf Miners - apply 1 1/4-1 7/8 lbs. per acre. Cucumber Beetles - apply 5/8-1 3/4 lbs. per acre. Lima beans only, Dipterous Leaf Miners, Leafhoppers, Mites - apply 1 1/4 lbs. per acre. Do not apply within 7 days of harvest. Forage and hay may be led to beef cattle, dairy cattle and sheep. Wait 4 days following treatment, if forage is to be cut for hay.

BROCCOLI, CABBAGE & CAULIFLOWER: Aphids, Diamondback Moths, Imported Cabbage Worm - apply 5/8-1 1/4 lbs. per acre. Do not apply within 7 days of harvest on cabbage, 5 days of harvest on broccoli and cauliflower.

BRUSSELS SPROUTS: Aphids, Diamondback Moth, Imported Cabbage worm - apply 1 1/4 lbs. per acre. Do not apply within 7 days of harvest.

CARROTS: Aphids - apply 1 1/4 lbs. per acre. Do not apply within 10 days of harvest.

CELERY: Aphids, Flea Beetles - apply 1 1/4 lbs. per acre. Dipterous Leaf Miner - apply 5/8-1 1/4 per acre. Plants should be market trimmed (tops removed) before being shipped or used. Tops should not be used for food or feed. Do not apply within 10 days of harvest.

COLLARDS, KALE, SWISS CHARD & TURNIP TOPS: Aphids, Imported Cabbage worm, Diamondback Moth, Harlequin Stink Bugs - apply 5/8-1 1/4 lbs. per acre. Do not apply within 12 days of harvest on swiss chard. 10 days of harvest on collards, kale and turnip tops.

CUCUMBERS: Aphids, Serpentine Leaf Miners, Thrips - apply 1 1/4 lbs. per acre. Do not apply within 7 days of harvest.

LETTUCE & ENDIVE: Aphids, Dipterous Leaf Miners - apply 5/8-1 1/4 lbs. per acre. Do not apply within 10 days of harvest on lettuce and endive.

MELONS & 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 1/4-1 7/8 lbs. per acre. Serpentine Leaf Miners, Thrips - apply 5/8-1 1/4 lbs. per acre. Do not apply within 7 days of harvest for summer squash, 3 days of harvest for melons or winter squash.

ONIONS: Onion Thrips - apply 1 1/4 lbs. per acre. Do not apply within 10 days of harvest.

PEAS: Aphids, Leaf Miners - apply 1-1 1/4 lbs. per acre. Peas may be picked immediately. Peavines and peavine hay may be led to dairy cattle, beef cattle and sheep. Wait 4 days following treatment if forage is to be cut for hay.

PEPPERS: Aphids, Serpentine Leaf Miners - apply 5/8 lbs. per acre. Do not apply within 5 days of harvest.

POTATOES: Aphids, Flea Beetles, Colorado Potato Beetles, Dipterous Leaf Miners - apply 5/8-1 lb. per acre. Banded Cucumber Beetles, Leafhoppers, Southern Armyworms - apply 1-1 1/4 lbs. per acre. Do not apply within 35 days of harvest.

RADISHES, PARSNIPS & TURNIPS: Aphids, Dipterous Miners - apply 5/8-1 1/4 lbs. per acre. Do not apply within 10 days of harvest on radishes, parsnips and turnips.

SPINACH & BEETS: Aphids, Dipterous Leaf Miners - apply 5/8-1 1/4 lbs. per acre. Do not apply within 10 days of harvest on spinach. Do not apply within 14 days of harvest on beets.

SWEET CORN: Corn Earworm - apply 2 1/2-3 1/4 lbs. per acre. Apply when silks first appear. Two or three repeated applications at 2-3 day intervals will usually be necessary. May be picked immediately following last application. Corn forage may be fed to dairy cattle, beef cattle and sheep.

TOMATOES: Aphids, Dipterous Leaf Miners - apply 5/8 lbs. per acre. Banded Cucumber Beetle, Fall Armyworms, Southern Armyworms - apply 1-1 3/4 lbs. per acre. Vinegar Flies - apply 5/8-1 lb. per acre. Do not apply within 1 day of harvest.

WATERCRESS (Hawaii Only): Cyclamen Mites - apply 1 1/2 lbs. per acre. Do not apply within 5 days of harvest.

SOIL INSECTS

Apply recommended rates with 10-50 gallons of water per acre by ground application.

Carrot Rust Flies - Carrots - apply 5 lbs. per acre to seed furrow at planting time.

Cutworms (surface and subterranean)

Broccoli	Endive	Potatoes
Brussels Sprouts	Kale	Snap Beans
Cabbage	Lettuce	Spinach
Cantaloupe	Lima Beans	Summer Squash
Cauliflower	Muskmelons	Sweet Corn
Celery	Parsley	Swiss Chard
Collard	Peas	Tomatoes
Cucumbers	Peppers	Watermelons
		Winter Squash

Apply 5-10 lbs. per acre. Apply broadcast just before planting. Work into soil immediately 2-3 inches for surface cutworms, 3-6 inches for subterranean cutworms.

Garden symphylans (centipedes)

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

Apply 25 lbs. per acre. Apply broadcast just before planting. Work into soil 4-8 inches immediately.

Mole Crickets - apply 2 1/2 lbs. per acre on the following crops. Apply to plant beds or fields 1-2 days before sowing seed or transplanting. Work into soil 1-2 inches immediately.

Broccoli	Collards	Mustard
Brussels Sprouts	Endive	Peppers
Cabbage	Kale	Radishes
Cauliflower	Lettuce	Tomatoes
		Turnips

Onion Maggots - Onions - apply 2 1/2 lbs. per acre. Drench seed furrow at planting. Apply 5-10 lbs. per acre as a broadcast treatment before planting. Work into soil 3-4 inches immediately.

Root Maggots - apply 5-7 1/2 lbs. per acre on the following crops, as a broadcast treatment and immediately work into soil 3-4 inches before seeding, either in seed bed or in field before transplanting.

Broccoli	Cabbage
Brussels Sprouts	Cauliflower
Wireworms - apply broadcast before planting and work into soil 4-8 inches immediately.	

Broccoli	Endive	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

Apply 7 1/2-10 lbs. per acre. Potatoes - apply 7 1/2-15 lbs. per acre.

Southern Potato Wireworms - Potatoes - apply 5-10 lbs. per acre. For southeastern U.S. only. Broadcast before planting and immediately work into soil 3-6 inches.

FORAGE & FIELD INSECTS

ALFALFA CLOVER: Spotted Alfalfa Aphid, Yellow Clover Aphid, Pea Aphid, Leafhoppers, Plant Bug Nymphs, Mites - apply 1-1 1/4 lbs. per acre. Grasshoppers - apply 1 1/4 lbs. per acre. Cutworms (surface and subterranean) - apply 5-10 lbs. per acre. Broadcast just before planting and work into soil immediately 2-3 inches for surface cutworms, 3-6 inches for subterranean cutworms. Dairy and beef cattle and sheep may be grazed immediately following applications, may be fed green alfalfa immediately following cutting, and may be fed hay provided alfalfa is not cut for hay 7 days following treatment. Do not spray livestock directly with either air or ground equipment.

Alfalfa Weevil Larvae - apply 2 1/2-3 3/4 lbs. per acre. Apply in spring when feed damage to growing tips become evident. Repeat, if necessary. If damage is already extensive, cut hay and apply to stubble. Do not graze dairy or beef cattle or sheep for 2 days. Do not cut for hay for 10 days after treatment. Do not spray livestock directly. Do not treat during bloom.

CORN (field and sweet): Corn Rootworm Larvae - apply 3 1/8-6 1/4 oz. per 1,000 linear feet of row at planting time in seed furrow in a 4-7 inch band directly behind planter shoe in a minimum of 5 gallons of water per acre



PROF
L.A.B.

DIAZINON 40 WP

EPA REG. NO. 34704-485

For post emergence basal treatment, apply 1 1/8-3 1/8 oz. per 1,000 linear feet of row. Apply to wet base of corn plant and narrow band of soil next to plant. Cover treated band with 2-3 inches of soil using disk hiller or cultivator immediately after application. Apply at first sign of larvae. Do not apply later than June 24 in middle corn belt or July 1 in northern corn belt. **Cutworm** (surface and subterranean) - apply 5-10 lbs. per acre. For surface cutworms, apply just before planting or when larvae first appear and work into soil 1-2 inches immediately. Do not apply later than layby. For subterranean cutworms, apply just before planting and work into soil 3-6 inches immediately.

Wireworms - apply 7 1/2-10 lbs. per acre. Apply before planting and work into soil. **Corn Root Worms (adults)** - apply 3/4-1 1/4 lbs. per acre. **Corn Leaf Aphid** - apply 1 1/4-2 1/2 lbs. per acre. Completely cover the upper portions of plants. **Grasshoppers** - apply 1 1/4 lbs. per acre. **Sap Beetles** - apply 2 1/2-3 1/8 lbs. per acre. Add 1-2 gals. soluble mineral oil to spray mixture per acre. Consult local agricultural authorities for proper timing of sprays.

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

COTTON: Spider Mites, Aphids, Leafhoppers, Lygus Bugs on Leaf-worms, Cotton Leaf Perforators - apply 1/4-1 1/2 lbs. per acre. Do not apply within 14 days of harvest. Do not graze treated cotton plants or feed gin waste to livestock.

COWPEAS, LESPEDEZA: Cutworms (surface and subterranean) - apply 5-10 lbs. per acre. Broadcast just before planting and work into soil immediately. 2-3 inches for surface cutworms, 3-6 inches for subterranean cutworms.

HOPS: Aphid, Mites - apply 2 1/2 lbs. per acre. Do not apply within 14 days of harvest.

PEANUTS: Cutworms (surface and subterranean) - apply 5 lbs. per acre. Apply in 12-inch band over row when small larvae appear, 2 or 3 more applications at 3 week intervals may be necessary. Do not apply within 21 days of harvest. Livestock may be fed peanut hulls, may be fed peanut forage 7 days following treatment and may be fed peanut hay 21 days following treatment.

SORGHUM: Sorghum Midge - apply 3/8-1 1/4 lbs. per acre. Apply when 90% of heads have emerged from boot. Repeat within 4 days. Do not apply within 7 days of harvest for grain crop may be fed to livestock immediately following treatment. **Cutworms** (surface and subterranean) apply 5-10 lbs. per acre. Broadcast just before planting, work into soil immediately 2-3 inches for surface cutworms, 3-6 inches for subterranean cutworms.

SOYBEANS: Cutworms (surface and subterranean) - apply 5-10 lbs. per acre. Apply just before planting. Work into soil immediately 2-3 inches for surface cutworms and 3-6 inches for subterranean cutworms.

SUGAR BEETS: Beet Leafhoppers, Dipterous Leaf Miners, Aphids - apply 1-1 1/4 lbs. per acre. **Grasshoppers** - apply 1 1/4 lbs. per acre. No time limitation. Tops may be fed to dairy and beef animals. **Wireworms** - apply 7 1/2-10 lbs. per acre. Apply broadcast just before planting and work into soil 4-8 inches immediately.

SUGAR CANE: Aphids - apply 3/8-1 1/4 lbs. per acre. Do not apply within 1 day of harvest. Foliar Application - Bagasse and forage may be fed to livestock. **Wireworms** - apply 10 lbs. per acre. Apply in 12 inches band centered over furrow directly to seed pieces at covering time.

TOBACCO: Aphids, Flea Beetles - apply 3/8-1 1/8 lbs. per acre. Do not apply within 3 days of harvest. **Cutworms** (surface and subterranean) - apply 5-7 1/2 lbs. per acre. Broadcast before transplanting. Work immediately into soil 2-4 inches. **Green June Beetles Larvae** - apply 3/4 lbs. per 100 gals. of water to cover 100 sq. yds. Apply as a drench to uprooted areas of plant beds with sprinkling can. **Mole Cricket** - apply 2 1/2 lbs. per acre. Broadcast when insects are present. Apply to beds or fields 1-2 days before sowing seed or transplanting and work into soil 1-2 inches immediately. **Seed Corn Maggots** - apply 3 1/4 lbs. per acre. Broadcast 3-4 weeks before transplanting and work into soil 2 inches immediately. Transplant water application use 1 7/8-3 1/4 oz. per 50 gallons of water. **Wireworms** - apply 5-7 1/2 lbs. per acre. Broadcast 3-4 weeks before transplanting and work into soil 6-9 inches immediately. Transplant water application use 1 7/8-3 1/4 oz. per 50 gals. of water.

RANGE, PASTURE & GRASSLAND

BERMUDA GRASS and FORAGE GRASSES (other than range and pasture grasses): **Thrips, White Flies, Grasshoppers** - apply 1 1/4 lbs. per acre. Apply in a minimum of 5 gallons water per acre by ground or air. Sheep, dairy and beef cattle may be grazed immediately following applications, may be fed green forage immediately following cutting and grass may be cut for hay 7 days following treatment. Do not repeat treatment more often than once every 30 days.

RANGELAND, PASTURE, GRASS FORAGE, DITCH BANKS, ROADSIDES, WASTELAND, NONCROP AREAS and BARRIER STRIPS: Grasshoppers - apply 1-1 1/4 lbs. per acre. Apply in a minimum of 5 gallons water per acre by ground or air. Sheep, beef and dairy cattle may be grazed immediately following application, may be fed green forage immediately following cutting and may be fed hay providing 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. Do not repeat treatment more often than once every 30 days.

FLY CONTROL

RESIDUAL SPRAY: apply 2 1/2-5 lbs. in 25 gallons of water. Apply to ceiling and walls of livestock sheds, calf's barns, hog barns and other farm buildings. Spray other areas where flies congregate, such as garbage dumps and corrals. Use the high rate for longer residual control. Apply to point of runoff. One or two spray mix covers 350-750 sq. feet. Repeat as necessary.

SPOT BAIT SPRAY: apply 1 1/4 lbs. in 12 gallons of water plus 1 lb. sugar. Apply with knapsack or similar type sprayer to areas frequented by flies such as doorways and around windows. Repeat as necessary. Do not apply in poultry houses, dairy barns or milk rooms. Remove animals from buildings during sprayings and keep them out at least 24 hours. Do not spray animals or contaminate their feed or drinking water. Do not use in dwellings.

NOTICE

PLATTE WARRANTS THAT THIS PRODUCT CONFORMS TO THE CHEMICAL DESCRIPTION ON THE LABEL THEREOF AND IS REASONABLY FIT FOR THE PURPOSES STATED ON SUCH LABEL ONLY WHEN USED IN ACCORDANCE WITH THE DIRECTIONS UNDER NORMAL USE CONDITIONS. IT IS IMPOSSIBLE TO ELIMINATE ALL RISKS INHERENTLY ASSOCIATED WITH THE USE OF THIS PRODUCT. CROP INJURY, INEFFECTIVENESS, OR OTHER UNINTENDED CONSEQUENCES MAY RESULT BECAUSE OF SUCH FACTORS AS WEATHER CONDITIONS, PRESENCE OF OTHER MATERIALS, OR THE MANNER OF USE OR APPLICATION, ALL OF WHICH ARE BEYOND THE CONTROL OF PLATTE. IN NO CASE SHALL PLATTE BE LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT. ALL SUCH RISKS SHALL BE ASSUMED BY THE BUYER.

EXCEPT AS EXPRESSLY PROVIDED HEREIN, PLATTE MAKES NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND, EITHER EXPRESSED OR IMPLIED, OR BY USAGE OF TRADE, STATUTORY OR OTHERWISE, WITH REGARD TO THE PRODUCT SOLD, INCLUDING, BUT NOT LIMITED TO, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, USE OR ELIGIBILITY OF THE PRODUCT FOR ANY PARTICULAR TRADE USAGE.

BEST AVAILABLE COPY

FORMULATED FOR
PLATTE CHEMICAL CO.

150 SO. MAIN STREET FREMONT, NEBRASKA 68025-5697