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APR 28 1986

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Mr. Frank Fronek
Platte Chemical Company
P.O. Box 667
Greeley, CO 80632

Dear Mr. Fronek:

Subject: Amendment Label Update
Clean Crop Diazinon AG500 Insecticide
EPA Registration No. 34704-41
Your Application Dated November 9, 1984

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable, provided that you make the labeling changes listed below before you release the product for shipment bearing the amended labeling:

1. Use the full product name at "... contains 4 lb of Diazinon per gallon."
2. The signal words WARNING and AVISO should appear immediately below the child hazard warning.
3. Correct spelling of USUARIO and change "le etiqute" to "la etiqute" in the Spanish language precautionary statement.
4. Add "See side panel for additional precautionary statements" to center panel.
5. A Statement of Practical Treatment must be added to the labeling. We suggest the following statement; however, if your toxicological data suggest otherwise, please submit a draft Statement of Practical Treatment for prior approval:

If swallowed - Call a physician or Poison Control Center immediately. If possible, vomiting should be induced under medical supervision. Drink one or two glasses of water and induce vomiting by touching the back of throat with a finger. Do not induce vomiting

85912:Newkirk:KEMCO:LR-3:4/2/86:4/10/86:DAA:LF

CONCURRENCES

SYMBOL ▶								
SURNAME ▶	Newkirk							
DATE ▶	4-4-86							

or give anything by mouth to an unconscious or convulsing person.

- If inhaled - Remove victim to fresh air. Apply artificial respiration if indicated.
- If on skin - Remove contaminated clothing and wash affected areas with soap and water.
- If in eyes - Flush eyes with plenty of water. Call a physician immediately.

6. Add Note to Physician to read: "Solvent presents aspiration hazard. Gastric lavage is indicated if material was taken internally. If symptoms of cholinesterase inhibition are present, atropine is antidotal. 2-PAM is also antidotal and may be used in conjunction with atropine."
 7. Add heading PRECAUTIONARY STATEMENTS to left panel.
 8. Add HAZARDS TO HUMANS AND DOMESTIC ANIMALS below item 7 and above the signal word.
 9. Change FISH AND WILDLIFE CAUTION to ENVIRONMENTAL HAZARDS.
 10. Add heading PHYSICAL OR CHEMICAL HAZARDS before "Do not use, pour, spill" etc.
 11. Add the following to the Directions for Use (Reentry) paragraph:

Protective clothing means, at least, a hat or other suitable head covering, long-sleeved shirt and long-legged trousers or coverall type garment (all of closely woven fabric covering the body, including the arms and legs), shoes and socks.
 12. Change "For further information see FIRST AID INFORMATION ABOVE" to "For further . . . SEE STATEMENT OF PRACTICAL TREATMENT."
 13. Head right panel "DIRECTIONS FOR USE CONTINUED."
 14. Delete second DIRECTIONS FOR USE before "AND CONDITIONS OF SALE AND WARRANTY."
- Make the following changes in the booklet.
15. Give the full product name at the top of the first page of the booklet.
 16. Make the same corrections in items 1, 2, and 3, above.

17. Make correction described in item 14, above.
18. Add heading PRECAUTIONARY STATEMENTS followed with HAZARDS TO HUMANS AND DOMESTIC ANIMALS before the signal word WARNING.
19. Make the same changes described in items 9, 10, and 11, above.
20. Change "For further information see FIRST AID INFORMATION ABOVE" to "SEE STATEMENT OF PRACTICAL TREATMENT on label."
21. Change "Diazinon AG500" to "Clean Crop Diazinon AG500 Insecticide" or to "this product" wherever it appears in the Directions for Use.
22. Add "FOLIAR" in "Refer also to corn under Field and Forage Foliar insects and Field and Forage Soil insects" under Sweet Corn.
23. Move Peanuts to Field and Forage Foliar Insects between Hops and Sorghum.
24. Add Mimosa to list of ornamentals or change "Mimosa Webworms" to "Mimosa Webworms or Mimosa."

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

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

Sincerely yours,

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

Enclosure

DIAZINON AG500 Insecticide

For control of certain insects on fruits, nuts, vegetables, field crops, and ornamentals.

ACTIVE INGREDIENTS

Diazinon [O,O-Diethyl (4-methyl-6-methyl-4-pyrimidinyl) phosphorothioate]	48%
Xylene	36%
INERT INGREDIENTS	16%
TOTAL	100%

APR 28 1986
DIAZINON AG500 contains 4 lb. of Diazinon per gallon.

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

34704-41

WARNING AVISO

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

KEEP OUT OF REACH OF CHILDREN

See booklet for complete directions for use and warranty

Note: The California Department of Agriculture for Diazinon on citrus, grapes, Five days should lapse between the time a worker re-enters the field requiring substantial contact with treated area. If two or more organic phosphorus pesticides are used, the interval shall be prolonged by an applicable interval an additional 50%.

STORAGE AND DISPOSAL

PROHIBITIONS: Do not contaminate storage or disposal. Open dumping or reuse empty container. Do not store in a manner that might adversely affect the container or its contents.

STORAGE: Store in a safe manner. Store only in cool, dry place. Keep container closed when not in use. Reduce stacking heights to avoid damage to containers. Clothing and equipment contaminated with pesticide should be properly handled.

PESTICIDE DISPOSAL: Pesticide waste disposal of excess pesticide, spray mixture, or empty container. Do not violate of Federal Law. If these wastes are not disposed of by use according to label instructions, contact the Pesticide or Environmental Control Agency, or a Waste representative at the nearest waste management facility.

CONTAINER DISPOSAL: Triple rinse container, or offer for recycling or reconditioning, if in a sanitary landfill, or by other means approved by state and local authorities.

HOUSEHOLD USE

Do not reuse empty container (bottle or can) and put in trash.

GENERAL INFORMATION

DIAZINON AG500 is an emulsifiable concentrate diluted with water according to directions for control of insect pests on agricultural or dwellings. Do not use on livestock. In the directions for use which follow when application is made at the first time should be repeated as necessary.

DIRECTIONS FOR

CONDITIONS OF SALE

IMPORTANT: Read the entire Directions of Sale and Warranty before using.

EPA REG. NO. 34704-41 EPA
NET

Insecticide Liquid NOS

FORMULATE

PLATTE CHEMICAL CO.
150 SO. MAIN STREET FRE

* CLEAN CROP is a Registered T.M.
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tion of food. Do not use on humans or permit children to go on to sprayed grass until spray has completely dried. Keep out of reach of domestic animals. Do not contaminate feed or use on household pets or livestock. Do not permit pets to go on to sprayed grass until spray has completely dried.

FISH AND WILDLIFE CAUTION

This product is toxic to fish, shrimp, crabs, birds, and other wildlife. Birds feeding on treated areas may be killed. Keep out of lakes, streams, ponds, tidal marshes, and Estuaries. Shrimp and crab may be killed at application rates recommended on this label. Do not use where these are important resources. 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.

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. Do not use, pour, spill, or store near heat or open flame.

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 re-entry 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 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 or oral 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 FIRST AID INFORMATION ABOVE.

DIAZINON AG500 Insecticide

For control of certain insects on fruits, nuts, vegetables, field crops, and ornamentals.

ACTIVE INGREDIENTS

Diazinon [O,O-Diethyl O-(2-isopropyl-6-methyl-4-pyrimidinyl) phosphorothioate]	48%
Xylene	36%
INERT INGREDIENTS	16%

TOTAL 100%

DIAZINON AG500 contains 4.8% Diazinon per gallon

WARNING AVISO

PRECAUCION AL USUARIO: Si usted no lee las instrucciones, no use este producto hasta que le entregue haya sido explicado ampliamente.

KEEP OUT OF REACH OF CHILDREN

EPA REG. NO. 34704-41

DIRECTIONS FOR USE

AND CONDITIONS OF SALE. READ THE WARRANTY IMPORTANT: Read the entire Directions for Use and the Conditions of Sale and Warranty before using this product.

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WARNING

Keep out of reach of children. May be fatal if swallowed. May be absorbed through skin. Do not breathe spray mist. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. Avoid contamination of food. Do not use on humans or permit children to go on to sprayed grass until spray has completely dried. Keep out of reach of domestic animals. Do not contaminate feed or use on household pets or livestock. Do not permit pets to go on to sprayed grass until spray has completely dried.

FISH AND WILDLIFE CAUTION

This product is toxic to fish, shrimp, crabs, birds, and other wildlife. Birds feeding on treated areas may be killed. Keep out of lakes, streams, ponds, tidal marshes, and estuaries. Shrimp and crab may be killed at application rates recommended on this label. Do not use where these are important resources. 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.

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. Do not use, pour, spill, or store near heat or open flame.

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 re-entry 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 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 must be given in a language customarily understood by workers. Written or oral warnings must include the following information:

WARNING

GENERAL INFORMATION

DIAZINON AG500 is an emulsifiable solution which, when diluted with water according to directions, is intended for the control of insect pests on agricultural crops. Do not use in barns or dwellings. Do not use on livestock. In the directions for use which follow, best control is obtained when application is made at the first sign of insects. Applications should be repeated as necessary to maintain control.

FRUIT AND NUT CROPS

NOTE: Unless otherwise stated, the rates listed below should be applied as a dilute full cover spray.

Almonds
Mites, Twig Borers: Apply 1-1½ pints per 100 gals. of water. **Parlona Scales**, San Jose Scales: Mix 1-1½ pints Diazinon plus 2-3 gals. dormant oil per 100 gals. of water and apply as a dormant spray. Almond buds may be used for feed for livestock.

Apricots
Aphids, Brown Mites (Clover Mites), Two-spotted Spider Mites, Olive Scale crawlers, San Jose Scale Crawlers: Mix 1 pt. per 100 gals. of water. Apply when aphids, mites, and scale crawlers first appear. Olive Scale Crawlers: Mix ½ pt. of DIAZINON AG500 plus 1½ gals. light or medium horticultural oil per 100 gals. of water. Apply when scale crawlers are present. Apricot Mealybugs: Mix 1 pt. 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 Fruitworms, Cherry Fruitworms, Blueberry Maggots, Aphids, Thrips, Two-spotted Mites: Mix 1 pt. per 100 gals. of water. Apply up to 200 gals. of spray per acre. Do not apply within 7 days of harvest.

Caneberries
Blackberries, Boysenberries, Dewberries, Loganberries, Raspberries, Leafhoppers, Thrips, Aphids, Two-spotted Mites, Raspberry Sanflies: Apply 2 pints per acre in a minimum of 100 gals. of water. Raspberry Fruitworms: Apply at the above rates when blossom buds separate and repeat application immediately before blossoms open. Dewberry Mites: Apply 1-2 qts. per acre in a minimum of 100 gals. of water. Apply as a dormant spray in early spring, when canes are still on the ground and buds are closed. Make a second application when the buds are well developed, but still closed. Do not apply within 7 days of harvest. Raspberry Crown Borers (Raspberry Root Borers): Apply 2 qts. per acre

in a minimum of 100 gals. of water as a drench to the crown area and the lower canes. Apply either in the spring before berries begin to form, or in the fall after harvest.

Cherries

Eyespotted Bud Moths, Fruitree Leafrollers: Mix 1 qt. per 100 gals. of water. Apply in cover sprays as necessary beginning with petal fall. Cherry Fruit Flies: Mix ½ pt. per 100 gals. of water. Make 3 or 4 applications, beginning when adult cherry fruit flies begin to emerge and repeat at 10-day intervals. Leafhoppers: Apply 1 pt. per 100 gals. of water in 3-5 applications beginning at petal fall and continuing through the growing season, or apply as infestations develop. Black Cherry Aphids: Mix 1 pt. per 100 gals. of water. Apply as a cover spray when aphids appear and repeat after 10 days. San Jose Scale Crawlers: Mix 1 pt. per 100 gals. of water. Apply during the pre-pink stage or when crawlers first appear. Do not apply within 10 days of harvest. Cherry Rust Mites: Mix ½-1 pt. per 100 gals. of water. Apply as a supplemental spray after harvest.

Citrus Fruits

Grapefruit, Lemons, Limes, Oranges, Tangelos, Tangerines, Citrus, Citron, Kumquats, and hybrids of these.
Citrus Aphids, Fruitree Leafrollers, Cottony-cushion Scale Crawlers, Soft Scale Crawlers: Apply ½-1 pt. per 100 gals. of water (maximum 1,000 gals. per acre) as a thorough cover spray when aphids and crawler stages of scale insects first appear. Fruitree Leafrollers: Use ½-1 pt. per 100 gals. of spray (maximum 1,000 gals. per acre) when an average of 50 percent of eggs in egg masses have hatched in the spring. Citrus Thrips: Apply 1 pt. in 100 gals. of water (maximum 1,000 gals. per acre) when thrips first appear. Citrus Snow Scales: Apply 1-2 pints per 100 gals. of water (maximum 1,000 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. Sealing and crab may be killed at application rates recommended on this label. Do not apply where these are important resources.

Cranberries

Black Headed Fireworms (Rhopobola naevana): Apply 2 qts. in 400 gals. of water per acre. Cranberry Fruitworms: Apply 3 qts. in 400 gals. of water per acre. Do not apply within 7 days of harvest.

Figs

Vinegar Flies (Drosophila spp.): Dried Fruit Beetles: Apply 1 pt. per 100 gals. of water. Do not apply within 5 days of harvest.

(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 FIRST AID INFORMATION ABOVE.

Note: The California Department of Agriculture has set a 5-day reentry for Diazinon on citrus, grapes, peaches and nectarines. Five days should lapse 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 the interval shall be prolonged by adding to the longest applicable interval an additional 50% of that interval.

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.

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 can affect package strength. Personnel should use clothing and equipment consistent with good pesticide handling.

PESTICIDE DISPOSAL: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

HOUSEHOLD USE DISPOSAL:

Do not reuse empty container (bottle, can, bucket). Wrap container and put in trash.

Filberts

Filbert Leafrollers, Aphids: Apply 1-2 qts. in 250-400 gals. of water per acre as a thorough cover spray.

Grapes

Pacific Spider Mites, Leafhoppers, Grape Berry Moths, Grape Leafrollers: Apply 1-2 pts. per acre in a minimum of 100 gals. of water as a thorough cover spray. Do not apply within 10 days of harvest. Drosophila spp.: Apply 12-18 fl. oz. per acre in a minimum of 100 gals. of water as a thorough cover spray, or apply when insects first appear. Make additional applications at weekly intervals as necessary. Do not apply within 7 days of harvest.

Olive

Olive Scales: Mix ¼-1 pt. of DIAZINON AG500 plus 1½ gals. of light or 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, Nectarines: Aphids, Brown Mites (Clover Mites), Two-spotted Spider Mites, Olive Scale Crawlers, San Jose Scale Crawlers: Mix 1 pt. per 100 gals. of water. Apply when aphids, mites, and scale crawlers first appear. Olive Scale Crawlers: Mix ½ pt. of DIAZINON AG500 plus 1½ gals. of light or medium horticultural oil per 100 gals. of water. Apply when scale crawlers are present. Oriental Fruit Moths: Mix 1 pt. 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 Borers: Mix 1 pt. per 100 gals. of water and apply to peaches in May and June. Leafhoppers (Peaches only): Apply 1 pt. 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 post-harvest spray apply 1½-2 pts. per 100 gals. of water timed to coincide with peak crawler and immature scale activity. Under conditions of heavy infestations, two applications may be necessary. Do not apply to peaches within 20 days or to nectarines within 10 days of harvest.

Pecans

Aphids, Mites, Pecan Nut Casebearers, Walnut Caterpillars: Apply 1-3 qts. per acre as a foliage spray in a minimum of 100 gals. of water. Do not apply after husks crack.

Pineapple

Scales: Apply 5 qts. of DIAZINON AG500 plus 2 gals. of light or medium horticultural oil in 500 gals. of water per acre to the vegetative slips on the plant following harvest of pineapple. Mealybugs: Apply 2 qts. per acre in a minimum of 100 gals. of water. May be applied on day of harvest. Pineapple foliage and refuse may be fed to livestock 7 days following last application.

Plums, Prunes

Brown Mites (Clover Mites), European Red Mites: Apply 1 pt. per 100 gals. of water. Leaf-curl Plum Aphids, Mealy Plum Aphids, Thistle Aphids: Apply ½-1 pt. per 100 gals. of water. Do not apply within 10 days of harvest.

Strawberries

Aphids, Two-spotted Spider Mites: Apply 1 pt. per 100 gals. of water per acre. Cyclamen Mites: Apply 1 qt. per 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 Crickets: Broadcast 1 qt. per acre when insects are present. Apply 1-2 days before transplanting and immediately mix into the top 1-2 inches of soil. Strawberry Leafrollers: Mix ¼-1 pt. per 100 gals. of water. Apply 200 gals. of spray per acre when blossoms show color. Do not apply within 5 days of harvest.

Walnuts

Aphids, Mites: Apply 1 qt. per acre as a foliage spray in a minimum of 100 gals. of water. Coding Moths, Scale Crawlers, Walnut Caterpillars: Apply 3 qts. per acre as a foliage spray in a minimum of 100 gals. of water. Do not apply after the husks open.

VEGETABLE FOLIAR INSECTS

Unless otherwise stated, foliar applications of DIAZINON AG500 should always be applied to vegetable crops as a spray in a minimum of 2 gals. of water per acre for aerial applications and a minimum of 10 gals. of water per acre for ground applications.

Beans

Pole Beans, Snap Beans, Lima Beans

Black Bean Aphids, Mexican Bean Beetle, Leafminers: Apply 1-1½ pts. per acre. Cucumber Beetles: Apply ¼ pt. in 100 gals. of water per acre. Do not apply within 7 days of bean harvest. Bean foliage or bean hay may be fed to dairy and beef cattle and sheep. Wait 4 days following treatment if foliage is to be cut for hay.

Lima Beans

Dipterous Leafminers, Leafhoppers, Mites: Apply 1 pt. per acre. Do not apply within 7 days of 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 Moths, Imported Cabbageworms: Apply $\frac{1}{2}$ -1 pt. 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 Moths, Imported Cabbageworms: Apply 1 pt. per acre. Generally, applications at 7-10 day intervals will be required. Do not apply to Brussels sprouts within 7 days of harvest.

Carrots

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

Calary

Aphids, Flea Beetles: Apply 1 pt. in 100 gals. of water per acre. 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 Cabbageworms, Diamondback Moths, Harlequin Cabbage Bugs: Apply $\frac{1}{2}$ -1 pt. per acre. Do not apply to collards, kale, or turnip tops within 10 days, Swiss Chard within 12 days of harvest.

Cucumbers

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

Lettuce, Endive

Aphids, Dipterous Leafminers: Apply $\frac{1}{2}$ -1 pt. per acre. Do not apply within 10 days of harvest.

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 $\frac{1}{2}$ pts. per acre. Serpentine Leafminers, Thrips: Apply $\frac{1}{2}$ -1 pt. per acre. Do not apply to melons and winter squash within 3 days, or to summer squash within 7 days, of harvest.

Mushroom Houses

Mushroom Flies (phorids and Sciarids): Mix $\frac{1}{2}$ -1 gal. in 50 gals. of water (0.5% to 1.0% actual Dabnon) 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 $\frac{1}{2}$ pt. in 6 gals. of water and apply with a brush. Do not treat compost.

Onions

Onion Thrips: Apply 1 pt. per acre. Do not apply within 10 days of harvest.

Peas

Aphids, Leafminers: Apply $\frac{1}{2}$ -1 pt. 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 Leafminers: Apply $\frac{1}{2}$ pt. per acre. Do not apply within 5 days of harvest.

Potatoes

Aphids, Flea Beetles, Colorado Potato Beetles, Dipterous Leafminers: Apply at the rate of $\frac{1}{2}$ - $\frac{3}{4}$ pt. per acre. Banded Cucumber Beetles, Leafhoppers, Southern Armyworms: Apply $\frac{1}{2}$ -1 pt. per acre. Do not apply within 35 days of harvest.

Radishes, Parsnips, Turnips

Aphids, Flea Beetles, Dipterous Leafminers: Apply $\frac{1}{2}$ -1 pt. per acre. Do not apply within 10 days of harvest.

Spinach, Beets

Aphids, Dipterous Leafminers: Apply $\frac{1}{2}$ -1 pt. 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

Sweet Corn

Corn Earworms: Apply 1-1 $\frac{1}{2}$ qts. 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 and Field and Forage Soil Insects.

Tomatoes

Aphids, Dipterous Leafminers: Apply $\frac{1}{2}$ pt. per acre. To control leafminers, weekly applications are usually required. Banded Cucumber Beetles, Fall Armyworms, Southern Armyworms.

Apply 14-1 pt. per acre. Vinegar Flies (*Drosophila* spp.) Apply 1/2-1 1/2 pts. per acre. Weekly applications are usually required. Do not apply within 1 day of harvest.

Watercress (Hawaii only)

Cyclamen Mites: Mix 1 pt. per 100 gals. of water and apply to one acre as a thorough cover spray. Spray should be directed into the 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

Unless otherwise stated, soil applications of CHAZINON AG500 should always be applied to vegetable crops as a pre-plant treatment in a minimum of 5 gals. of water per acre for ground applications.

Cutworms (Surface and Subterranean)

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

Broadcast 2-4 qts. 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	Lettuce	Red Beets
Carrots	Peas	Snap Beans
Corn	Pole Beans	Tomatoes
	Radishes	Turnips

Broadcast 10 qts. per acre just prior to planting. Immediately work into soil 4-8 inches. This preplant treatment will also control other soil insects such as cutworms (surface and subterranean), mole crickets, root maggots, and wireworms.

Mole Crickets
Broccoli
Brussels Sprouts
Cabbage
Cauliflower
Cauliflower
Cauliflower

Endive (Escarole)
Kale
Lettuce
Mustard

Peppers
Radishes
Tomatoes
Turnips

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

Onion Maggots

Onions—Furrow Application: Apply 1 qt. per acre in sufficient water to drench the seed furrow at planting time. Broadcast Application: Broadcast 2-4 qts. per acre just prior to planting. Immediately work into soil 3-4 inches.

Root Maggots

Broccoli, Brussels Sprouts, Cabbage, Cauliflower—Broadcast Application: Broadcast 2-3 qts. per acre and immediately work into the soil 3-4 inches before seeding either in the seedbed or in the field or before transplanting. Transplant Water (Drench) Application: Mix 1/2 pt. 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 "flop" 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 1 qt. in 50 gals. of water. Apply 80-100 gals. per acre (1-1 1/2 gals. per 1,000 linear feet of row) in the seed furrow at planting time.

Wireworms

Broccoli
Brussels Sprouts
Cabbage
Cauliflower
Cauliflower
Cauliflower
Cauliflower
Cucumbers

Endive (Escarole)
Kale
Lettuce
Lima Beans
Mushrooms
Onions
Parsley
Peas
Peppers

Potatoes
Snap Beans
Spinach
Summer Squash
Sweet Corn
Sweet Potatoes
Swiss Chard
Tomatoes
Watermelons
Winter Squash

Broadcast 3-4 qts. per acre prior to planting, and immediately work into soil 4-8 inches.

Potatoes

Wireworms: Broadcast 3-6 qts. per acre prior to planting. Immediately disk or harrow into soil 4-8 inches.

Southern Potato Wireworms (Southeastern U.S.)

For use to control southern potato wireworms in potatoes grown on mineral soils in the Southeast, apply 2-4 qts. per acre as a soil treatment prior to planting and immediately mix thoroughly by disking or other suitable means into the top 3-6 inches of soil, depending on location of wireworms.

FIELD AND FORAGE FOLIAR INSECTS

Unless otherwise stated, foliar applications of DIAZINON AG500 should always be applied to field and forage crops as a spray in a minimum of 2 gals. of water per acre for aerial applications and a minimum of 10 gals. of water per acre for ground applications.

Alfalfa, Clover

Spotted Alfalfa Aphids, Yellow Clover Aphids, Pea Aphids, Leafhoppers, Plant Bug Nymphs, etc.: Apply 1/2 pt. per acre. Grasshoppers: Apply 1 qt. per acre. Following the above applications, 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 pts. 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 with either air or ground equipment. Do not treat during bloom to avoid injury to pollinating insects.

Clover

Striped Ground Crickets: Broadcast 1-2 pts. per acre following seeding in the fall but prior to clover emergence.

Corn

Use a minimum of 1 gal. of water for aerial applications and 5 gals. of water for ground applications. Corn Rootworm, Adults: Apply 1/2-1 pt. per acre. Corn Leaf Aphids: Apply 1-2

NOTE: For row spacings not listed, calculate the appropriate dosage based on the 40-inch row figure.

Seed Corn Maggots: Broadcast 2-4 qts. per acre just prior to planting. Work immediately into the soil 2 inches. Cutworms (Surface and Subterranean): Broadcast 2-4 qts. per acre. For surface cutworms, apply just prior to planting or when larvae first appear, and immediately work into soil 1-2 inches. Do not apply later than lay-by. For subterranean cutworms apply just prior to planting and immediately work into soil 3-6 inches. Wireworms: Apply 3-4 qts. per acre prior to planting and immediately work into the soil 4-8 inches. Corn may be picked immediately following last application. Corn forage may be fed to dairy and beef cattle and sheep.

Cowpeas

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

Lespedeza

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

Peanuts

Cutworms: Apply 2 qts. per acre in a 12-inch band over the row. Thorough coverage of the foliage is essential. Begin application when small larvae appear. Two or three additional applications at three-week intervals may be necessary. Do not apply within 21 days of peanut harvest. 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

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

Soybeans

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

Sugar Beets

Wireworms: Broadcast 3-4 qts. per acre just prior to planting, and immediately work into soil 4-8 inches. Tops may be fed to beef and dairy animals.

Sugarcane

Wireworms: Apply 1 gal. per acre in a 12-inch band centered over the furrow. Make application directly to seed pieces in open furrow at covering time.

Tobacco

Cutworms: Broadcast 2-3 qts. per acre before transplanting and immediately work into the soil 2-4 inches. Green June Beetle Larvae: Mix 1/2 pt. in 50 gals. of water and apply as a drench (100 gals. per 100 sq. yds.) to uprooted areas of plant beds with sprinkling can. Mole Crickets: Broadcast 1 qt. per acre when insects are present. Make application to beds or fields 1-2 days prior to sowing of seed or transplanting and immediately work into soil 1-2 inches. Seedcorn Maggots: Broadcast 3 pts. per acre, 3-4 weeks before transplanting. Immediately work into soil 2 inches. Wireworms: Broadcast 2-3 qts. per acre 3-4 weeks before transplanting. Work immediately into soil 6-9 inches.

RANGE, PASTURE, AND GRASSLAND INSECTS

Unless otherwise stated, DIAZINON AG500 should always be applied as a spray in a minimum of 1 gal. of water per acre for aerial applications and a minimum of 5 gals. of water per acre for ground applications.

Bermudagrass and Forage Grasses (other than Range and Pasture Grasses): Thrips, Whiteflies, Grasshoppers: Apply 1 pt. per acre. 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 7 days following treatment. Do not repeat application for 30 days.

Range and Pasture, Ditch Banks, Roadides, Wasteland, Noncrop Areas, Barrier Strips

Grasshoppers: Apply 1/2-1 pt. per acre in water or oil (minimum of 1 gal. of oil per acre) when insects first appear, preferably in the nymphal stage. Thorough coverage of the foliage is essential. 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

pts. per acre. Complete coverage of the upper portions of the plants is essential. Repeat applications as necessary. Mites: Apply 1 pt. per acre when infestations first appear. Repeat applications as necessary. Flea Beetles: Apply 1 pt. per acre when insects first appear. Repeat applications as necessary. Grasshoppers: Apply 1 pt. per acre. Sap Beetles: Apply 2-2½ pts. per acre. Add 1-2 gal. of soluble mineral oil per acre to the spray mixture. Consult State Agricultural Experiment Stations or State Extension Service Specialists 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 Leafworms, Cotton Leaf Perforators. Apply 1-2 pts. in 5-25 gal. of water per acre. Repeat as infestation warrants. Do not apply within 14 days of harvest. Do not graze treated cotton plants, or feed on waste to livestock.

Guar (Texas and Oklahoma only)
Midge: Apply ½-1 pt. per acre in a minimum of 10 gal. of water for ground application or 2 gal. of water for aerial application when 15% of the blooms are infested. Should the infestation warrant, repeat applications should be made in 5-6 days. Do not make more than 3 applications to the same crop. Do not apply within 12 weeks of harvest. Do not graze or feed treated forage to livestock within 12 weeks of harvest.

Hops
Aphids, Mites. Apply 1 qt. per acre. Do not apply within 14 days of harvest.

Sorghum
Use a minimum of 1 gal. of water for aerial applications and 5 gal. of water for ground applications. Sorghum Midge: Apply ½-1 pt. per acre when 40% of heads have emerged from the boot. Repeat application within 4 days. Mites: Apply 1 pt. per acre when infestation first appears and repeat applications as necessary. Greenbug: Apply at the rates indicated below when infestation first appears and repeat as necessary. Texas and Oklahoma: Apply ½-1 pt. per acre. All other areas: Apply 1 pt. per acre. Crop may be fed to livestock immediately following treatment. Do not apply within 7 days of harvesting for grain.

Sugar Beets
Beet Leafhoppers, Dopterous Leafminers, Aphids. Apply ½-1 pt. per acre. Grasshoppers. Apply 1 pt. per acre. Note: Tops may be fed to beef and dairy animals.

Sugarcane
Aphids: Apply ½-1 pt. per acre. Allow 1 day between last application and harvest. Bagasse and forage may be fed to livestock.

Tobacco
Aphids, Flea Beetles: Apply ½-1 pt. per acre. Do not apply within 3 days of harvest. Grasshoppers: Apply 1 pt. per acre. Do not apply within 14 days of harvest.

FIELD AND FORAGE SOIL INSECTS

Unless otherwise stated, soil applications of DIAZINON AG500 should always be applied to field and forage crops as a spray in a minimum of 5 gal. of water per acre for ground applications.

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

Corn
Corn Rootworm Larvae, Postemergence Basal Treatment: Apply 1½ to 2½ oz. per 1,000 linear feet of corn row in sufficient water to thoroughly wet base of corn plant and a narrow band of soil next to the plant. Refer to the row spacing chart for amounts recommended per acre. Cover treated bands 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, but not later than June 24 in the Middle Corn Belt, or July 1 in the Northern Corn Belt.

Suggested Rates According to Row Spacing for Corn Rootworm Larvae Control		
Row Spacing	Linear Feet of Corn Row/Acre	Postemergence Basal Treatment (fl. oz.)
48	10,130	14.28
42	12,455	15.531
40	13,066	16.32 (1½ qt.)
36	13,939	17.535
30	17,250	18.36
24	21,424	22.44
21	21,780	27.555
20	26,126	32.64 (1½ qt.)
15	34,848	41.68

If the spray is an oil solution. Do not spray livestock directly with either air or ground equipment. Do not repeat application for 30 days.

ORNAMENTAL INSECT CONTROL

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

Insects	Rate per 3 gal. water	Rate per 100 gal. water
Aphids, Bagworms, Carnation Bud Mites, Carnation Shoot	½ fl. oz.	1 pt.
Mites, Clover Mites, Cyclamen Mites, Dopterous Leafminers, European Pine Shoot Moths, European Red Mites, Flea Beetles, Holly Bud Moths, Leafhoppers, Obscure Root Weevils, Omnivorous Leafhoppers, Pinet Mites, Scale Crawlers (Cottony-cushion, Lecanium, Pine Needle, San Jose Soft Scale), Thrips, Two-spotted Mites, Webworms, Whiteflies		
Apple and Thorn Skeletonizers, Citronella Webworms, Fall	1½ fl. oz.	3 pts.
Webworms, Hemlock Chermes, Oak Looper, Oak-leaf-banded Leafhoppers, Pear Slugs, Tent Caterpillars		

*1 fl. oz. = 2 tablespoons **16 fl. oz. = 1 pint
Do not use on Ferns, Pansettia, Hibiscus, Papaya, Pua, and Gardenia since injury to the plants may occur. Mimosa Webworms: Mix ½ fl. oz. in 3 gal. of water for 1 pt. in 100 gal. 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 INSECT CONTROL

To control insects listed below, apply recommended rates. For control of Ants, Brown Dog Ticks, Clover Mites, Crickets, Earwigs, Fleas, Millipedes, Sowbugs, and Collembola (Springtails), 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/1,000 sq. ft.		Water	Refill as
	DIAZINON	AGS500		
Lawn Chinch Bugs	2-3 fl. oz.	25 gals.		Use higher rate for longer residual control and re-lawns of dense growth such as St. Augustine lawns. Spray and hit and wasp around nest 6-8 ft.
Ants, Armyworms, Clover Mites, Col. Lemnola (Springtails), Cucklets, Cutworms, Digger Wasps, Earwigs, Fruit Flies, Lawn Beetles, Sod Webworms, (Lawn Moths), Sowbugs, Brown Dog Ticks, Bermuda Mites, Chiggers, Fleas, Leafhoppers	4 fl. oz.	3 gals.		For lawn billbugs, irrigate the lawn thoroughly immediately after treatment. For fruit flies, mow grass and water well before treatment but delay application until grass is dry. Do not water again until necessary. Do not apply to animals.
Millipedes, Rhinocerosgrass, Scales	8 fl. oz.	3 gals.		For brown dog ticks spray grass and under shrubbery, particularly near house.
	5 fl. oz.	25 gals.		Apply when crawlers first emerge.

*Alternately make application in 3 gals. of water per 1,000 sq. ft. and thoroughly water immediately following application.

Boxelder Bugs Spray bugs outside the home with 1½-2½ fl. oz. (2½-5 tablespoons) in 1 gal. water. At the same time, thoroughly spray around foundation, windows, doors, tree trunks, and into cracks and other places where the insects hide. **Billbugs**, **White Grubs** (Japanese beetle larvae, European chafers, Southern chafers): Apply 4 fl. oz. per 1,000 sq. ft. of lawn. Water grass thoroughly after application. For grub control make application any time between late July and early October. For billbug control apply when activity is first observed or when chewed or brown grass is present, indicating damage from this insect. **Hyperodes Weevil** (New York only): Apply 3 fl. oz. per 1,000 sq. ft. of grass. Water grass thoroughly after application. Treat problem areas in mid-April and again in mid-May.

FOREST INSECTS

Pine (Seed Orchards, Plantations, Forests)

Arkansas Sawfly (Loblochy Sawfly): Apply ½ pt. per acre over the tree canopy. Applications should be made at or near the completion of egg hatch. Aerial applications should be made with a maximum of 2 gals. of spray per acre, in swaths not more than 90 ft. wide. Repeat application as needed.

CONDITIONS OF SALE AND WARRANTY

The Directions for Use for 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 or the Seller. All such risks shall be assumed by the Buyer.

Platte 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 makes no other express or implied warranty of fitness or merchantability or any other express or implied warranty. In no case shall Platte or the Seller be liable for consequential, special, or indirect damages resulting from the use or handling of this product. Platte 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.

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150 SO. MAIN STREET FREMONT, NEBRASKA 68025