

Mr. Cameron M. Baird
445 Tilden Road
Scituate, MA 02066

346/159351
17/3

JAN 27 1986

300/163338
17/4

Dear Mr. Baird:

Subject: Amendment - Label Update and Change in Inert Ingredients
D-TOX-AG-500 Insecticide
EPA Registration No. 50415-59
Your Application Dated October 30, 1985

The amendment referred to above, submitted in connection with registration under section 3(c)(7)(A) of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), is acceptable provided that you:

1. Submit and/or 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. Make the labeling changes listed below before you release the product for shipment bearing the amended labeling:

- a. Add an asterisk following INERT INGREDIENTS and add a footnote
**Contains Xylene range aromatic solvent."
- b. Change EPA Registration No. "551-232-" to "50415-59."
- c. Revise Precautionary Statements to read:

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 onto sprayed grass until spray has com-
pletely dried.

Keep out of reach of domestic animals. Do not contam-
inate feed or use on household pets or livestock. Do
not permit pets to go onto sprayed grass until spray has
completely dried. Do not use in barns or dwellings.

50457:LaBocca:LR-5:KENCO:1/23/86:1/31/86:eg:VO

CONCURRENCES

SYMBOL							
SURNAME	Nardone						
DATE	1-27-86						

- d. Change "Diazinon AG4E" to "D-TOX-AG-500 Insecticide" or to "this product" wherever it appears in the Directions for Use. See item 8 in our letter of August 6, 1985.
- e. Add "Mimosa" to the list of ornamentals or change "Mimosa Webworms" to "Mimosa Webworms on Mimosa."
- f. Correct the following spelling errors on page 2: important, Chrysanthemum, Douglas-fir, Leafminers, Leaf tiers, Apple-and-thorn Skeletonizers, and Leafrollers.
- g. Delete "(1)", "(2)", and "(3)" in the Range, Pasture, and Grassland Insects section of page 3.
- h. Correct spelling of "foliage is" and "water solution" on page 3.
- i. Change "before transplanting" on third line under ROOT MAGGOTS (page 4) to read "before seeding, either in the seedbed or in the field, or before transplanting."
- j. Add "Radishes" before "Mix 1 qt in 50 gals of water" under ROOT MAGGOTS on page 4.
- k. Change "a 1/2 1/2; u 2-4 qts" to "apply 2 to 4 qts" at Southern Potato Wireworms on page 4.
- l. Correct the additional spelling errors on page 4 of the label: "inches" at CUTWORMS line 6, Swiss chard (two words) at WIREWORMS, and "location of wireworms" last line on page 4.
- m. Relocate entries "(SEED CORN MAGGOTS)" through "WATERCRESS" to follow table on page 6.
- n. Delete "(1)", "(2)", and "930" in PEANUTS on page 5.
- o. Add heading VEGETABLE FOLIAR INSECTS before WATERCRESS.
- p. Correct spelling of cyclamen mite under watercress, page 5.
- q. Delete column "Post emergence basal treatment" on page 6 or provide Directions for Use.
- r. Add "Corn may be picked immediately following last application. Corn storage may be fed to dairy and beef cattle and to sheep" at end of corn entry.

Make the following changes in the booklet:

- s. Add an asterisk following INERT INGREDIENTS and add a footnote
 "**Contains Xylene range aromatic solvent."

- t. Correct spelling of Practical on page 3.
- u. Change "2) Name of this product;" to "2) D-TOX-AG-500 Insecticide."
- v. Correct spelling of Leafminers, page 3.
- w. Change dosage of 1/4 pint to 3/4 pint for cucumber beetle on page 3.
- x. Delete "Corn Earworms" on entry for Collards, Kale, Swiss Chard and Turnip Tops on page 4.
- y. Correct spelling of Collards.
- z. Correct spelling of Dipterous Leafminers, page 5.
- aa. Change "Aphids, Leafminers, Mites" to "Aphids, Leafhoppers, Mites" at Melons and Squash, page 5.
- bb. Change "20 days of harvest" to "10 days of harvest" at Onions, page 5.
- cc. Correct spelling of Leafminers at Peas on page 5.
- dd. Change dosage of "1/4 - 1 pt" to "3/4 - 1 pt" for Aphids, Leafminers at Peas on page 5.
- ee. Correct spelling of "Serpentine Leafminers" at Peppers on page 5.
- ff. Correct spelling of Dipterous Leafminers at Potatoes on page 5.
- gg. Change dosage of "1/4 - 1/2" to "1/2 - 3/4" for Aphids, Flea Beetles, etc., at Potatoes on page 5.
- hh. Change dosage of "1/4 - 1 pt" to "3/4 - 1 pt" for Banded Cucumber Beetles, etc., at Potatoes on page 5.
- ii. Correct spelling of Dipterous Leafminers at Radishes, Parsnips, Turnips on page 5.
- jj. Change dosage of "1/2 - 1 pt" to "3/4 - 1 pt" for Banded Cucumber Beetles on Tomatoes, page 6.
- kk. Change dosage of "1/2 - 1 pt" to "1/2 - 1 1/2 pts" for Vinegar Flies at Tomatoes, page 6.
- ll. Correct spelling of Parlatoria Scales at Almonds, page 6.
- mm. Change "Apply when scale crawlers are present" to "Apply when aphids, mites, and scale crawlers first appear."

- nn. Change directions for Raspberry Fruitworms to "Apply at the above rates when blossom buds separate and repeat application immediately before blossoms open," page 7.
- oo. Change "pwe" to "per" fourth line from bottom of page 7.
- pp. Change "Drosophila ssp" to "Drosophila spp." at Figs and Grapes, page 9.
- qq. Change dosage of "1/4 - 1 pt" to "3/4 - 1 pt" for Strawberry Leafrollers on page 11.
- rr. Delete "(1)", "(2)", and "(3)" in directions for Alfalfa and Clover, page 12.
- ss. Change "cut the hat" to "cut the hay" in control for Alfalfa weevil larvae, page 12.
- tt. Delete "(1)", "(2)", and "(3)" on page 15.
- uu. Change dosage of "1/4 - 1 pt" to "3/4 - 1 pt" for grasshoppers on page 15.
- vv. Change "DIAZINON (R) AG4E" to "this product" under directions for vegetable soil insects on page 15.
- ww. Change "FIELD AND FORAGE INSECTS" to "FIELD AND FORAGE SOIL INSECTS" on page 18.
- xx. Move entire PEANUTS (cutworms) entry on page 20 to FIELD AND FORAGE FOLIAR INSECTS between HOPS and SORGHUM.
- yy. Change "3 week intervals" to "3-week intervals" under Peanuts.
- zz. Delete "(1)", "(2)", and "(3)" within the peanut directions.
- aaa. Move entire WATERCRESS entry on page 21 to end of VEGETABLE FOLIAR INSECTS following TOMATOES.

We suggest a careful proofreading of your draft label before you submit it to a printer. Errors in spelling, capitalization, and inconsistencies in style were noted.

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

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 bearing the amended labeling constitutes acceptance of these conditions.

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

Sincerely yours,

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

Enclosure

BAIRD

D-TOX-AG 500 INSECTICIDE
ONLY FOR AGRICULTURAL OR COMMERCIAL USE

For Control of Certain Insects on Fruits, Vegetables, Field Crops and Ornamentals.

For Specific Insect Control Refer to Label Directions.

ACTIVE INGREDIENT

Diazinon [0,0-Diethyl 0-(2-isopropyl-6-methyl-4-pyrimidinyl) phosphorothioate]	48.2%
INERT INGREDIENTS	51.8%
	100.0%

Contains 4 pounds of Diazinon per gallon.

EPA Reg. No. 551-232-

EPA Est. No. 572-NJ-1

KEEP OUT OF REACH OF CHILDREN (12 pt. type)
WARNING AVISO (12 pt. type)

PRECAUCION AL USUARIO:

Si usted no lee ingles, no use este producto hasta que la etiqueta haya sido explicado ampliamente.

STATEMENT OF PRACTICAL TREATMENT

This Product Contains Aromatic Petroleum Solvent.

IF SWALLOWED - Call a physician or Poison Control Center immediately.
DO NOT INDUCE VOMITING. vomiting may cause aspiration pneumonia.
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.

NOTE TO PHYSICIAN - Solvent presents aspiration hazard. Gastric lavage is indicated if material was taken internally. If symptoms of cholinesterase inhibition are present, atropine sulfate is antidotal. 2-PAM is also antidotal and may be administered in conjunction with atropine.

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS.

CAMERON M. BAIRD

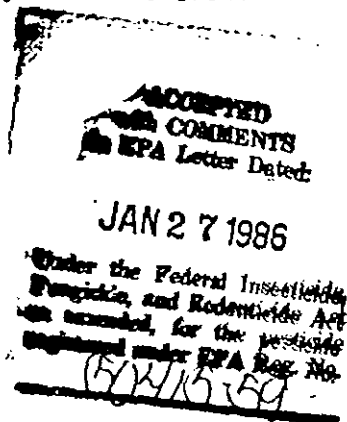
Scituate, Mass. 02066

1 Gal.

5 Gals.

30 Gals.

55 Gals.



PRECAUTIONARY STATEMENTS

May be

HAZARDS TO HUMANS AND DOMESTIC ANIMALS - WARNING: fatal if swallowed, inhaled or absorbed through the skin. Avoid breathing spray mist. Causes eye irritation. Avoid contact with skin, eyes or clothing. Wash thoroughly after handling. Keep children and pets out of treated area until spray dries. Do not contaminate food or feed.

ENVIRONMENTAL HAZARDS: This product is toxic to fish, birds and other wildlife. Birds feeding on treated areas may be killed. Keep out of any body of water (except for effluence from treated watercress beds). 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 for information pertaining to areas having threatened endangered species. Apply this product only as specified on this label. Do not contaminate water by cleaning of equipment or disposal of waste.

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

PHYSICAL OR CHEMICAL HAZARDS: DO NOT USE, POUR, 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.

ORNAMENTAL INSECT CONTROL

To control certain insects on Arborvitae, Azalea, Birch, Boxwood Camellia, Carnation, Chrysanthamum, Douglas Fir, Elm, Gladioli, Hawthorn, Holly, Juniper, Lilac, Locust, Maple, Oak, Pine, Plum, Poplar, Rhododendron, Rose, Spruce and Willow, apply the recommended rates indicated below:

Insects	Amount Diazinon ^R AG4E to Use	
	per 3 gals. water	per 100 gals. water
Aphids, Bagworms, Carnation Bud Mites, Carnation Shoot Mites, Clover Mites, Cyclamen Mites, Dipterous Leaf Miners, European Pine Shoot Moths, European Red Mites, Flea Beetles, Holly Bud Moths, Leafhoppers, obscure Root Weevils, Omnivorous Leaf Tiers, privet Mites, Scale Crawlers (Cottony-cushion, Lecanium, Pine Needle, San Jose, Soft Scale), Thrips, Two spotted Mites, Webworms, Whiteflies	½ fl. oz.*	1 pt.**
Apple and Thorn Skeletonizers, Cotoneaster, Webworms, Fall Webworms, Hemlock Chermes, Oak Loopers, Oblique-banded Leaf Rollers, Pear Slugs, Tent Caterpillars.	1½ fl. oz.*	3 pts.**

*1 fl. oz. = 2 tablespoons

**16 fl. oz. = 1 pint

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

Mimosa Webworms: Mix $\frac{1}{2}$ fl. oz. in 3 gals. of water (or 1 pt. 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.

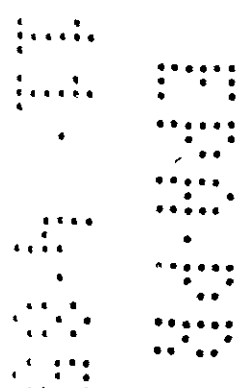
RANGE, PASTURE & GRASSLAND INSECTS

Unless otherwise stated, DIAZINON^R AG 4E 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 & 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. Forage grasses may be cut for hay 7 days following treatment. Do not repeat application for 30 days.

RANGELAND, PASTURE, DITCH BANKS, ROADSIDES, WASTELAND, NONCROP AREAS, BARRIER STRIPS (Grasshoppers): Apply $\frac{3}{4}$ to 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 satep solution, or for 30 days 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.



LAWN INSECT CONTROL

To control insects listed below, apply recommended rates. For control of Ants, Brown Dog Ticks, Chinch Bugs, Clover Mites, Crickets, Earwigs, Fleas, Millipedes, Sod Webworms, 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.

BOXEIDER BUGS: Spray bugs outside the home with $1\frac{1}{2}$ - $2\frac{1}{2}$ fl. oz. ($2\frac{1}{2}$ -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.

BILL BUGS AND WHITE GRUBS, such as JAPANESE BEETLE LARVAE, ERUOEAN CHAFER AND SOUTHERN CHAFER: Apply 4 fl. oz. per 1,000 sq. ft. of lawn. Water grass thoroughly after application. For grub control make application any time between 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.

INSECTS	RATE/1,000 sq. ft.		REMARKS
	Diazinon AG 500	Water	
Lawn Chinch Bugs	2-3 fl.oz. or 3-6 fl.oz.	25 gals.	Use higher rate for longer residual control and in lawns of dense growth, such as St. Augustine lawns.
Ants, Armyworms, Clover Mites, Collembola (Springtails), Crickets, Cutworms, Digger Wasps, Earwigs, Frit Flies, Lawn Billbugs, Sod Webworms (Lawn Moths) Sowbugs.	4 fl. oz.	3 gals	Spot spray ant hills and wasp ground nest openings. For lawn billbugs, irrigate the lawn thoroughly immediately after treatment. For frit flies, mow grass and water well before treatment but delay application until grass is dry. Do not water again until necessary.
Brown Dog Ticks, Bermuda Mites, Chiggers, Fleas, Leafhoppers	$1\frac{1}{2}$ fl. oz.	3 gals.	Do not apply to animals. For brown dog ticks spray grass and under shrubbery, particularly near house.
Millipedes	3 fl.oz.	3 gals.	
Rhodesgrass Scales	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.

VEGETABLE SOIL INSECTS

Unless otherwise stated, soil application of DIAZINON^R AG 4E should always be applied to vegetable crops as a spray in a minimum of 5 gals. of water per acre for ground applications.

CUTWORMS [SURFACE & SUBTERRANEAN] (Broccoli, Brussels Sprouts, Cabbage, Cantaloupes, Cauliflower, Celery, Collards, Cucumbers, Endive (Escarole), Kale, Lettuce, Lima Beans, Muskmelons, Parsley, Peas, Peppers, Potatoes, Snap Beans, Spinach, Summer Squash, Sweet Corn, Swiss Chard, Tomatoes, Watermelons, Winter Squash): 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. inches

GARDEN SYMPHYLANS [CENTIPEDES] (Cabbage, Carrots, Corn, Lettuce, Peas, Pole Beans, Radishes, Red Beets, Snap Beans, Tomatoes, Turnips): Broadcast 10 quarts per acre just prior to planting. Work into soil 4-8 inches immediately. This pre-plant treatment will also control cutworms (surface and subterranean), mole crickets, root maggots and wireworms.

MOLE CRICKETS (Broccoli, Brussels Sprouts, Cabbage, Cauliflower, Collards.

Endive [Escarole], Kale, Lettuce, Mustard, Peppers, Radishes, Tomatoes and 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 of transplanting and immediately work into soil 1 to 2 inches.

ONION MAGGOTS (onions): Furrow Application-Appl 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. Work into soil 3-4 inches immediately. Seeding

ROOT MAGGOTS (Broccoli, Brussels Sprouts, Cabbage & Cauliflower): Broadcast Application: Broadcast 2 to 3 qts. per acre and immediately work into the soil 3 to 4 inches, before transplanting. Transplant Water (Drench) Application: Mix 1/4 to 1/2 pt. in 50 gals. of transplant water when 200 to 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. Mix 1 qt. in 50 gals. of water. Apply 80-100 gals per acre (1-1 1/3 gals. per 1,000 linear feet of row) in the seed furrow at planting time. RADISHES

WIREWORMS (Broccoli, Brussels Sprouts, Cabbage, Cantaloupe, Carrots, Cauliflower, Celery, Collards, Cucumbers, Endive [Escarole], Kale, Lettuce, Lima Beans, Muskmelons, Onions, parsley, Peas, Peppers, Potatoes, Snap Beans, Muskmelons, 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 work into soil 4-8 inches immediately (Potatoes): Broadcast 3-6 qts. per acre prior to planting immediately disk or harrow into soil 4-8 inches.

SOUTHERN POTATO WIREWORMS (Southeastern U.S.) (Potatoes): 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.

11/1
(SEED CORN MAGGOTS): Broadcast 2-4 qts per acre just prior to planting. Work into soil 2 inches immediately. (Cutworms - Surface & Subterranean): Broadcast 2-4 qts. per acre. For surface cutworms apply just prior to 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 prior to planting and work into soil 3-6 inches immediately. (Wireworms): Apply 3-4 qts. per acre prior to planting and work into the soil 4-8 inches immediately.

COWPEAS, LESPEDEZA, SORGHUM & SOYBEANS (Cutworms - Surface & 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.

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 3 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 930 may be fed peanut hay 21 days following treatment.

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.

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.

TOBACCO (Cutworms): Broadcast 2-3 qts. per acre before transplanting and work into the soil, 2-4 inches immediately. (Green June Beetle Larvae): Mix $\frac{1}{4}$ 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. Work into soil 2 inches immediately.

WATERCRESS (Hawaii Only) (Cyclamen Mites): Mix 1 pt. per 100 gals. of water and apply to 1 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.

FIELD & FORAGE SOIL INSECTS

Unless otherwise stated soil applications of DIAZINON^R AG-4E should always be applied to field and forage crops as a spray in a minimum of 5 gals. of water per acre for ground applications.

ALFALFA & CLOVER (Cutworms - Surface & 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): Band Application at Planting Time - Apply 1-2 qts per acre in a minimum of 5 gals of water. Make application in the seed furrow or apply 2 $\frac{1}{2}$ -5 oz. per 1,000 linear feet of corn row in a 4-7 inch band directly behind the planter shoe. For band treatment refer to the row spacing chart for amounts recommended per acre.

SUGGESTED RATES ACCORDING TO ROW SPACING FOR CORN ROOTWORM LARVAE CONTROL

Row Spacing	Linear ft. of Corn row/acre	Rate per acre planting time application	Post emergence basal treatment
48"	10,890	28-56 oz.	1-28 oz.
42"	12,455	31-62 oz.	15.5-31 oz.
40"	13,068	32-64 oz. (1-2 qts.)	16-32 oz. 1-1 qt.)
38"	13,939	35-70 oz.	17.5-35 oz.
36"	14,250	36-72 oz.	18-36 oz.
30"	17,424	44-88 oz.	22-44 oz.
24"	21,780	55-110 oz.	27.5-55 oz.
20"	26,136	66-136 oz. (2-4 qts.)	32-64 oz. 2-2 qts.)
15"	34,848	88-176 oz.	44-88 oz.

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

ADDITIONAL PRECAUTIONS AND DIRECTIONS FOR AGRICULTURAL CROPS REQUIRING FARMWORKER HAND LABOR TASKS MAY BE FOUND IN PLASTIC ENVELOPE ON BACK OF THIS CAN.

STORAGE AND DISPOSAL

STORAGE: Do not contaminate water, food or feed by storage or disposal. Store in the closed, original container in a locked area away from children and domestic animals. Store in a cool, dry place. Avoid excessive heat. Open container carefully. **PESTICIDE DISPOSAL:** Pesticide wastes are toxic. Improper disposal of excess pesticides, 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 E.P.A. 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. Do not cut or weld metal containers. Plastic containers may be incinerated or burned if allowed by state and local authorities. If burned, stay out of smoke. Do not reuse empty container.

WARRANTY: Seller makes no warranty, expressed or implied concerning the use of this product other than indicated on the label. Buyer assumes all risk of use and/or handling of this material when such use and/or handling is contrary to label instructions.

BAIRD

D-TOX-AG 500 INSECTICIDE

ADDITIONAL DIRECTIONS AND PRECAUTIONS
AGRICULTURAL CROPS REQUIRING FARM-
WORKER HAND LABOR TASKS.

KEEP OUR OF REACH OF CHILDREN

WARNING

ACTIVE INGREDIENT

Diazinon [0,0-Diethyl 0-(2-
isopropyl-6-methyl-4-
pyrimidinyl) phosphorothioate]..48.2%

INERT INGREDIENTS.....51.8%
100.0%

EPA Reg. No. 50415-59

EPA Est. No. 572-NJ-1

ACCEPTED
COMMENTS
EPA Letter Dated:

JAN 27 1986

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
50415-59

ADDITIONAL APPLICATION RESTRICTIONS FOR
AGRICULTURAL CROPS REQUIRING FARMWORKER HAND
LABOR TASKS:

Do not apply this product in such a manner as to directly, or through drift, expose workers or other persons. The area treated must be vacated by unprotected persons.

Do not enter treated areas without protective clothing until sprays have dried. Protective clothing means at least a hat or other suitable head covering, a long-sleeved shirt and long-legged trousers or a coverall type garment (all closely woven fabric covering the body, including the arms and legs), shoes and socks.

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.

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

Written or oral warnings must be given to workers who are expected to be in treated area or in an area about to be treated with this product. Instruct workers of the area or fields that

they must be vacated and not re-entered until the sprays have dried. Acquaint workers with the information appearing on this label under "Hazards to Humans and Domestic Animals" and "Statement of Practical Treatment." When oral warnings are given, warnings shall be given in a language customarily understood by workers. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers. Written warnings must include the following information: 1) Word "WARNING"; 2) Name of this product; 3) Date of Application; 4) Statement: "Do not enter without appropriate protective clothing until sprays have dried."; 5) The information given under "Hazards to Humans and Domestic Animals" and "Statement of Practical Treatment" that is appropriate in case of accidental exposure.

DIRECTIONS FOR USE ON AGRICULTURAL CROPS
REQUIRING FARMWORKER HAND LABOR TASKS:

- VEGETABLE FOLIAR INSECTS

Unless otherwise stated, foliar applications of this product 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 Beetles, Leafminers): Apply 1-1½ pts. per acre (Cucumber Beetles): Apply ½ pint in 100 gals. of water per acre. LIMA BEANS: (Dipterous Leafminers, Leafhoppers, Mites): Apply 1 pt.

per acre. Do not apply to listed beans 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.

CELERY (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, Corn Earworms): Apply $\frac{1}{2}$ -1 pt. per acre. Do not apply to collards, kale or turnip tops within 10 days, or to Swiss chard within 12 days of harvest.

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

LETTUCE & ENDIVE (Aphids, Dipterous Leaf Miners):
Apply $\frac{1}{2}$ -1 pt. per acre. Do not apply within
10 days of harvest.

MELONS & SQUASH: CANTALOUPE, CASABAS, CREN-
SHAW, HONEYDEW MELONS, MUSKMELONS, PERSIAN
MELONS and hybrids of these. WATERMELONS and
their hybrids, SUMMER & WINTER SQUASH (Aphids,
Leafminers, 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.

ONIONS (Onion Thrips): Apply 1 pt. per acre.
Do not apply within 20 days of harvest.

PEAS (Aphids, Leaf Miners): 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 Leaf Miners):
Apply $\frac{1}{2}$ pt. per acre. Do not apply within 5
days of harvest.

POTATOES (Aphids, Flea Beetles, Colorado Potato
Beetles, Dipterous Leaf Miners): 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 Leaf Miners): 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 & WINTER: See MELONS & SQUASH.

SWEET CORN (Corn Earworms): Apply 1 - $1\frac{1}{2}$
qts. per acre when silks first appear. Two to
three applications at 2-3 day intervals will
usually be necessary. Corn may be picked
immediately following last applications. Corn
forage may be fed to dairy and beef cattle
and sheep. Refer also to CORN under FIELD
& FORAGE FOLIAR INSECTS and FIELD & 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 $\frac{1}{2}$ to 1 pt. per acre.
(Vinegar flies-Drosophila spp): Apply $\frac{1}{2}$ -1 pts.
per acre. Weekly applications are usually
required. Do not apply within 1 day of harvest.

FRUIT & NUT CROPS

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

ALMONDS (Mites, Twig Borers): Apply 1- $1\frac{1}{2}$ pts.
per 100 gals. of water. (Parlatoria Scales,
San Jose Scales): Mix 1- $1\frac{1}{2}$ pts. of this
product plus 2-3 gals. dormant oil per 100
gals of water and apply as a dormant spray.
Almond hulls may be used to feed 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 light 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, Twospotted Mites): Mix 1 pt. per 100 gals of water. Apply up to 200 gals. of spray per acre or apply 2 pts. per acre in sufficient water for thorough coverage. Do not apply within 7 days of harvest.

CANEBERRIES: BLACKBERRIES, BOYSENBERRIES, DEWBERRIES, LOBANBERRIES, RASPBERRIES (Leafhoppers, Thrips, Aphids, Twospotted Mites, Raspberry Sawflies): Mix 1 pt. per 100 gals. of water and apply up to 200 gals of spray per acre or apply 2 pts. per acre in sufficient water for thorough coverage (Raspberry Fruitworms): Apply at the above rates when blossoms

CHERRIES (Eyespotted Bud Moths, Fruit tree Leafrollers): Mix 1 pt. per 100 gals. of water. Apply in cover sprays as necessary, beginning with petal fall. (Cherry Fruit Flies): Mix $\frac{1}{2}$ -1 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 $\frac{1}{2}$ -1 pt. per 100 gals of water. Apply as a supplemental spray after harvest.

CITRUS FRUITS: Grapefruits, Lemons, Limes, Tangelos, Tangerines, Citrus, Citron, Kumquats and hybrids of these (Citrus Aphids, Fruittree Leafrollers, Cottonycushion Scale Crawlers, Soft Scale Crawlers): Apply $\frac{1}{2}$ -1 pt. per 100 gals. of water (Maximum 1,000 gals. per acre) as a thorough cover spray when aphids and crawler stages of insects first appear (Fruittree Leafrollers): Use $\frac{1}{2}$ -1 pt. per 100 gals. of spray (Maximum 1,000 gals. per acre) when an average of 50% 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 pts. 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 trunks, limbs and twigs is essential. Do not apply during bloom. Do not apply to citrus within 21 days of harvest. Shrimp and crab may be killed at application rates recommended on this label. Do not apply where these are important resources.

CRANBERRIES (Blackheaded Fireworms [*Rhopobota 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* ~~ssp~~], Dried Fruit Beetles): Apply 1 pt. per 100 gals of water. Do not apply within 5 days of harvest.

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 18 days of harvest. (*Drosophila* ~~ssp~~): 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.

OLIVES (Olive Scales): Mix $3/4$ - 1 pt. this product plus $1\frac{1}{2}$ 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 & NECTARINES (Aphids, Brown Mites [Clover Mites], Twospotted 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 $\frac{1}{2}$ pt. of this product plus $1\frac{1}{2}$ gals of light 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. (Leaf-hoppers-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 $1\frac{1}{2}$ -2 pts. 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.

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 the husks crack.

PINEAPPLE (Scales: Apply 5 qts. of this product plus 2 gals of light or medium horticultural oil in 500 gals of water per acre to the vegetative slips on the plants 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 forage 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 (Leafcurl Plum Aphids, Mealy Plum Aphids, Thistle Aphids): Apply $\frac{1}{2}$ -1 pt. per 100 gals of water. Do not apply within 10 days of harvest.

STRAWBERRIES (Aphids, Twospotted 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 mix into the top 1-2 inches of soil immediately. (Strawberry Leafrollers): Mix $\frac{1}{2}$ -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.

FIELD & FORAGE FOLIAR INSECTS

Unless otherwise stated, foliar applications of this product 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.

4 ALFALFA & CLOVER (Spotted Alfalfa Aphids, Yellow Clover Aphids, Pea Aphids, Leafhoppers, Plant Bug Nymphs, Mites): Apply $\frac{1}{2}$ -1 pt. per acre. (Grasshoppers): Apply 1 pt. per acre. Following these 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 applications 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 per acre for aerial applications and 5 gals. of water for ground applications. (Corn Rootworms Adults): Apply $\frac{1}{2}$ -1 pt. per acre. (Corn Leaf Aphids): Apply 1-2 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 gals 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 Bugs, Cotton Leafworms, Cotton Leaf-perforators): Apply 1-2 pts. in 5-25 gals. of water per acre. Repeat as infestations warrant. Do not apply within 14 days of harvest. Do not graze treated cotton plants or feed gin waste to livestock.

GUAR (Texas & Oklahoma Only) (Midge): Apply ½-1 pt. per acre in a minimum of 10 gals of water for ground applications or 2 gals 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 gals. of water for ground applications. (Sorghum Midges): Apply $\frac{1}{2}$ -1 pt. per acre when 90% 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 necessary. (Greenbug): Apply at the rates indicated below when infestation first appears and repeat as necessary. Texas & Oklahoma - Apply $\frac{1}{2}$ -1 pt. per acre. All other areas - Apply 1 pt. per acre. Crop may be fed to livestock within 7 days of harvesting for grain.

SUGAR BEETS (Beet Leafhoppers, Dipterous Leafminers, Aphids): Apply $\frac{3}{4}$ - 1 pt. per acre (Grasshoppers): Apply 1 pt. per acre. Tops may be fed to beef and dairy animals.

SUGARCANE (Aphids): Apply $\frac{1}{2}$ -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 $\frac{1}{2}$ to $\frac{3}{4}$ 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.

RANGE, PASTURE & GRASSLAND INSECTS

Unless otherwise stated, this product 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.

DERMUDAGRASS & FORAGE GRASSES: (other than Range & 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. Forage grasses may be cut for hay 7 days following treatment. Do not repeat application for 30 days.

RANGELAND, PASTURE, DITCH BANKS, ROADSIDES, WASTELAND, NONCROP AREAS, BARRIER STRIPS (Grasshoppers: Apply $\frac{1}{2}$ -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, beef cattle and sheep (1) may be grazed immediately following applications (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. Do not repeat applications for 30 days.

VEGETABLE SOIL INSECTS

Unless otherwise stated soil applications of DIAZINON (R) AG4E should always be applied to vegetable crops as a spray in a minimum of 5 gals. of water per acre for ground applications.

CUTWORMS (SURFACE & SUBTERRANEAN) (broccoli, Brussels Sprouts, Cabbage, Cantaloupes, Cauliflower, Celery, Collards, Cucumbers,

Endive (Escarole), Kale, Lettuce, Lima Beans, Muskmelons, Parsley, Peas, Peppers, Potatoes, Snap Beans, Spinach, Summer Squash, Sweet Corn, Swiss Chard, Tomatoes, Watermelons, Winter Squash): 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 SYMPHALANS (Centipedes) (Cabbage, Carrots, Corn, Lettuce, Peas, Pole Beans, Radishes, Red Beets, Snap Beans, Tomatoes, Turnips). Broadcast 10 qts. per acre just prior to planting. Work into soil 4-8 inches immediately. This pre-plant treatment will also control cutworms (surface and subterranean mole crickets, root maggots and wireworms.)

MOLE CRICKETS (Broccoli, Brussels Sprouts, Cabbage, Cauliflower, Collards, Endive (Escarole), Kale, Lettuce, Mustard, Peppers, Radishes, Tomatoes and 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 to 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. Work into soil 3-4 inches immediately).

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 transplant. Transplant Water (Drench) Application - Mix $\frac{1}{2}$ - $\frac{1}{2}$ pt. in 50 gals. of transplant water when 200-300 gals. of water are used per acre. May be applied at the rate of $\frac{1}{2}$ to 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 1 qt in 50 gals. of water. Apply 80-100 gals per acre (1-1 $\frac{1}{3}$ gals. per 1,000 linear feet of row) in the seed furrow at planting time.

WIREWORMS, (Broccoli, Brussels Sprouts, Cabbage, Cantaloupes, Carrots, Cauliflower, Celery, Collards, Cucumbers, Endive (Escarole), Kale Lettuce, Lima Beans, Muskmelons, 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 work into soil 4-8 inches immediately. (Potatoes): Broadcast 3-6 qts. per acre prior to planting, immediately disk or harrow into soil 4-8 inches.

SOUTHERN POTATO WIREWORMS (Southeastern US) (Potatoes): 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 & FORAGE INSECTS

Unless otherwise stated soil application of this product should always be applied to field and forage crops as a spray in a minimum of 5 gals. of water per acre for ground applications.

ALFALFA & CLOVER (Cutworms - Surface & 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): Band Application at Planting Time - Apply 1-2 qts. per acre in a minimum of 5 gals. of water. Make application in the seed furrow or apply $2\frac{1}{2}$ - 5 oz. per 1,000 linear feet of corn row in a 4-7 inch band directly behind the planter shoe. For the band treatment, refer to the Row Spacing Chart for amounts recommended per acre. Post Emergence Basal Treatment - Apply $1\frac{1}{2}$ - $2\frac{1}{2}$ 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 band with 2-3 inches of soil using a disk hiller 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.

ROW SPACING CHART-SUGGESTED RATES FOR CORN
ROOTWORM LARVAE CONTROL

Row Spacing	Linear Ft. of Corn Row/ Acre	Amount of D-TOX AG-500/ACRE	
		Planting Time Application	Post emergence Basal Treatment
48"	10,890	28-56 oz.	14-28 oz.
42"	12,455	31-62 oz.	15.5-31 oz.
40"	13,068	32-64 oz. (1-2 qts.)	16-31 oz. ($\frac{1}{2}$ -1 qt.)
38"	13,939	35-70 oz.	17.5-35 oz.
36"	14,250	36-72 oz.	18-36 oz.
30"	17,424	44-88 oz.	22-44 oz.
24"	21,780	55-110 oz.	27.5-55 oz.
20"	26,136	64-128 oz. (2-4 qts.)	32-64 oz. (1-2 qts.)
15"	34,848	88-176 oz.	44-88 oz.

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

(SEED Corn Maggots): Broadcast 2-4 qts. per acre just prior to planting. Work into soil 2 inches immediately (Cutworms-Surface & Subterranean): Broadcast 2-4 qts. per acre. For surface cutworms, apply just prior to 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 prior to planting and work into soil 3-4 inches immediately. (Wire-Worms): Apply 3-4 qts. per acre prior to planting and work into the soil 4-8 in immediately.

COWPEAS, LESPEDEZA, SORGHUM & SOYBEANS (Cutworms - Surface & 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.

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 3 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.

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 work into the soil, 2-4 inches immediately. (Green June Beetle Larvae): Mix $\frac{1}{2}$ 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 immediately.

WATERCRESS ((Hawaii Only) (Cyclamen Mites):
M^{ts}: 1 pt. per 100 gals of water and apply to 1 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.

STORAGE AND DISPOSAL

STORAGE: Do not contaminate water, food or feed by storage or disposal. Store in the closed, original container in a locked area away from children and domestic animals. Store in a cool, dry place. Avoid excessive heat. Open container carefully. PESTICIDE DISPOSAL: Pesticide wastes are toxic. Improper disposal of excess pesticides, 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. Do not cut or weld metal containers. Plastic containers may be incinerated or burned if allowed by state and local authorities. If burned, stay out of smoke. Do not reuse empty container.

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LIMITED WARRANTY: Buyer assumes all risk of use, storage and handling of this material not in strict accordance with directions given herewith.

ROCKLAND CHEMICAL CO., INC.
West Caldwell, N. J. 07007