


ACCEPTED WESTERN
 MAY 16 1975 
 Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, this pesticide is registered under EPA Reg. No. 11656-8

DIAZINON AG-500

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

Western Farm Service DIAZINON® AG-500 contains 4 lbs. DIAZINON per gallon.

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.

Refer to Supplemental Label for Use Directions.

ACTIVE INGREDIENTS	BY WEIGHT
O, O-diethyl O-(2-isopropyl-6-methyl-4-pyrimidinyl) phosphorothioate . . .	48.0%
Xylene	39.8%
INERT INGREDIENTS	12.2%
EPA Reg. No. 11656-18	TOTAL 100.0%

FISH & WILDLIFE PRECAUTION: This product is toxic to fish, shrimp, crab, 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 apply where these are important resources. Do not apply where runoff is likely to occur. Do not apply when wheather 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 State Agricultural Extension Service or Experiment Station.

Do not reuse empty container or empty drum. Destroy by perforation or crushing and burying in a safe place away from water supplies. If empty drum, return to drum conditioner. Dispose of empty containers in accordance with local, state or federal regulations.

CAUTION: INFLAMMABLE MIXTURE

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

NOTICE OF WARRANTY

WESTERN FARM SERVICE MAKES NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY PURPOSE, OR OTHERWISE, EXPRESS OR IMPLIED, concerning this product or its uses which extend beyond the use of the product under normal conditions in accord with the statements made on this label.

WARNING!

KEEP OUT OF REACH OF CHILDREN

NET CONTENTS: 5 GALLONS

DIAZINON® is the registered trademark of CIBA-Geigy Corp.

REC'D

WESTERN FARM SERVICE, INC., 2401 Crow Canyon Road, SAN RAMON, CA. 94583 APR 23 1975

WFS 121 3-75

ALMONDS: Mites, Twig Borers—Apply 1 to 1½ pts. per 100 gals. of water. Parlatoria Scales, San Jose Scales Mix 1 to 1½ pts. DIAZINON plus 2 to 3 gals. dormant oil per 100 gals. water and apply as a dormant spray. Almond hulls 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 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 ten days of harvest.

BLUEBERRIES: 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 seven days of harvest.

CANIBERRIES (BLACKBERRIES, BOYSENBERRIES, DEWBERRIES, LOGANBERRIES, RASPBERRIES): Leafhoppers, Thrips, Aphids, Two-Spotted Mites, Raspberry Sawflies Apply 2 pts. 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. Dryberry Mites Apply 1 to 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 seven days of harvest. Raspberry Crown Borers (Raspberry Root Borers) Apply 2 qts. per acre in a minimum of 100 gals. water as a drench to the crown area and to the lower canes. Apply either in the spring before berries begin to form or in the fall after harvest.

CHERRIES: Eye Spotted Bud Moths, Fruit-Tree Leaf Rollers Mix 1 pt. per 100 gals. of water. Apply in cover sprays as necessary, beginning with petal fall. Leafhoppers Apply 1 pt. per 100 gals. of water in three to five applications beginning at petal fall and continuing through the growing season, or apply as infestations develop. Cherry Fruit Flies Mix 1 to 1 pt. per 100 gals. of water. Make three or four applications, beginning when adult cherry fruit flies begin to emerge and repeat at ten-day intervals. Black Cherry Aphids Mix 1 pt. per 100 gals. of water. Apply as a cover spray when aphids appear and repeat after ten 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 ten days of harvest. Cherry Rust Mites Mix 1 to 1 pt. per 100 gals. of water. Apply as a supplemental spray after harvest.

CITRUS FRUITS (GRAPEFRUIT, LEMONS, LIMES, ORANGES, TANGELOS, TANGELENS, CITRUS CITRON, KUMQUATS, AND HYBRIDS OF THESE): Citrus Aphids, Fruit-Tree Leaf Rollers, Cottony-Cushion Scale Crawlers and Soft Scale Crawlers Apply 1 to 1 pt. per 100 gals. of water (maximum 1000 gals. per acre) as a thorough cover spray when aphids and crawler stages of scale insects first appear. Fruit-Tree Leaf Rollers Use 1 to 1 pt. per 100 gals. of spray (maximum 1000 gals. per acre) when an average of 50 percent of eggs in egg masses have hatched in the spring. Citrus Thrips Apply 1 pt. in 100 gals. of water (maximum 1000 gals. per acre) when thrips first appear. Citrus Snow Scales Apply 1 to 2 pts. per 100 gals. of water (maximum 1000 gals. per acre) as a post-bloom 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: Black-Headed Fireworms (Sparganothis sulfureana)—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 seven days of harvest.

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

FILBERTS: Filbert Leaf Rollers, Aphids Apply 1 to 2 qts. in 250 to 400 gals. of water per acre, as a thorough cover spray.

GRAPES: Pacific Spider Mites, Leafhoppers, Grape Berry Moths, Grape Leaf Folders Apply 1 to 2 pts. per acre in a minimum of 100 gals. of water as a thorough cover spray. Do not apply within 15 days of harvest. Drosophila spp. Apply 12 to 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 seven days of harvest.

OLIVE: Olive Scales Mix 1 to 1 pt. of DIAZINON AG-500 plus 1½ gals. of light medium summer horticultural oil per 100 gals. of water. Apply as a cover spray in June or July. Do not apply during bloom to avoid injury to pollinating insects or within 75 days of harvest.

PEACHES AND NECTARINES: 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 1 pt. of DIAZINON AG-500 plus 1 gals. 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 two additional applications at ten to fifteen 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 three to five 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 to 2 pts. per 100 gals. of water timed to coincide with peak crawler and immature scale activity. Under conditions of early infestations, two applications may be necessary. Do not apply to peaches within 20 days, or to nectarines within ten days of harvest.

PECAN: Aphids, Mites, Pecan Nut Case-Bearer, Gummy Caterpillars Apply 1 to 3 qts. per acre as a foliage spray in a minimum of 100 gals. of water. Do not apply after leaf fall.

BROCCOLI, CABBAGE AND CAULIFLOWER: Aphids, Diamondback Moths, Imported Cabbageworms—Apply ½ to 1 pt. per acre. Applications at seven to ten-day intervals will usually be required. Do not apply to broccoli or cauliflower within five days, or to cabbage within seven days of harvest.

BRUSSELS SPROUTS: Aphids, Diamondback Moths, Imported Cabbageworms Apply 1 pt. per acre. Generally, applications at seven to ten-day intervals will be required. Do not apply to brussels sprouts within seven 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, AND TURNIP TOPS: Aphids, Imported Cabbageworms, Diamondback Moths, Harlequin Cabbage Bugs, Corn Earworms—Apply 1 to 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 Leaf Miners, Thrips Apply 1 pt. per acre. Do not apply within 7 days of harvest.

LETTUCE AND ENDIVE: Aphids, Dipterous Leaf Miners—Apply ½ to 1 pt. per acre. Do not apply within 10 days of harvest.

MELONS AND SQUASH (CANTALOUPE, CASABAS, CRANSHAW, HONEYDEW MELONS, MUSKMELONS, PERSIAN MELONS, AND HYBRIDS OF THESE; WATERMELONS AND THEIR HYBRIDS; SUMMER AND WINTER SQUASH) Aphids, Leafhoppers, Mites Apply 1 to 1½ pts. per acre. Serpentine Leaf Miners, Thrips Apply ½ to 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 (Phoridae and Sclerids)—Mix ½ to 1 gal. in 50 gals. of water (0.5% to 1.0% actual DIAZINON) and spray on outside and inside walls and ventilators of mushroom houses, after compost in beds has been pasteurized by heating. Do not spray compost in beds or after spawning. To treat wooden sides of beds, posts, doors and door frames after pasteurizing, mix ½ 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, Leaf Miners—Apply ½ to 1 pt. per acre. Peas may be picked immediately. Pea vines and pea 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 ½ 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 1 to ¾ pt. per acre. Banded Cucumber Beetles, Leafhopper, Southern Armyworms—Apply ¾ to 1.0 pt. per acre. Do not apply within 35 days of harvest.

RADISHES, PARSNIPS AND TURNIPS: Aphids, Flea Beetles, Dipterous Leaf Miners—Apply ½ to 1 pt. per acre. Do not apply within 10 days of harvest.

SPINACH AND BEETS: Aphids, Dipterous Leaf Miners Apply 1 pt. per acre. Do not apply to spinach 10 days, or to beets within 14 days of harvest.

SQUASH (SUMMER AND WINTER): See Melons and Squash Section.

SWEET CORN: Corn Earworms—Apply 1 to 1½ qts. per acre when silks first appear. Two or three repeat applications at 2 to 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 Foliage Insects and Field and Forage Soil Insects.

TOMATOES: Aphids, Dipterous Leaf Miners Apply 1 pt. per acre. To control leaf miners weekly applications are usually required. Banded Cucumber Beetles, Fall Armyworms, Southern Armyworms Apply 1 to 1 pt. per acre. Vinegar Flies (Drosophila spp.) Apply 1 to 1 pt. 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 DIAZINON AG-500 should always be applied to vegetable crops as a spray in a minimum of five gals. of water per acre for ground applications.

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

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

GARDEN SYMPLECTICANS (Centipedes)

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

Broadcast 10 qts. per acre just prior to planting. Work into soil 4-8 inches immediately. This pre-plant treatment will help control other soil insects such as cutworms (surface and subterranean), mole crickets, root maggots, and wire worms.

ALFAIFA WEAVIL LARVAE: For control in the spring, apply 2 to 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 two days. Do not cut for hay for ten 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 to 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 to 1 pt. per acre. Corn Leaf Aphids—Apply 1 to 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. Grasshoppers Apply 1 pt. per acre. Sap Beetles Apply 2 to 2½ pts. per acre. Add 1 to 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, Cotton Leafworms, Cotton Leaf Perforators Apply 1 to 2 pts. in 5 to 25 gals. of water per acre. Repeat as infestation warrants. Do not apply within 14 days of harvest. Do not graze treated cotton plants or feed gin wastes to livestock.

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 Midge Apply 1/2 to 1 pt. per acre when 90% of heads have emerged from the boot. Repeat application within four 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 1 2 to 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 seven days of harvesting for grain.

SUGAR BEETS: Leafhoppers, Dipterous Leaf Miners, Aphids Apply 3/4 to 1 pt. per acre. Grasshoppers Apply 1 pt. per acre. NOTE: Tops may be fed to beef and dairy animals.

SUGARCANE: Aphids Apply 1/2 to 1 pt. per acre. Allow one day between application and harvest. Bagasse and forage may be fed to livestock.

TOBACCO: Aphids, Flea Beetles Apply 1/2 to 3/4 pt. per acre. Do not apply within three 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 AG-500 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 AND 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 Band Application at Planting Time: Apply 1 1/2 qts. per acre. Make application in the seed furrow or apply 2 1/2 to 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 amount recommended per acre. Postemergence Basal Treatment: Apply 1 1/2 to 2 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 harrow or cultivator immediately after spraying. Application should be made at the first sign of corn rootworm larvae, but no 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	Rate per acre Planting time Application	Postemergence basal treatment
48"	10,890	28.56 oz.	14.28 oz.
42"	12,455	31.62 oz.	15.81 oz.
40"	13,068	32.64 oz. (1 1/2 qts.)	16.32 oz. (1 1/4 qts.)
38"	13,939	35.70 oz.	17.85 oz.
36"	14,750	37.71 oz.	18.86 oz.
30"	17,174	44.88 oz.	22.44 oz.
24"	21,780	55.110 oz.	27.555 oz.
20"	26,135	64.128 oz. (1 3/4 qts.)	32.064 oz. (1 1/4 qts.)
15"	34,848	88.176 oz.	44.088 oz.

NOTE: For row spacing not listed, calculate the appropriate dosage based on the 1-inch row figure.

Seed Corn Maggots Broadcast 2-4 qts. per acre just prior to planting. Use 100 soil samples immediately. Cutworms (Surface and Subterranean) Broadcast 2-4 qts. per acre. For surface cutworms apply just prior to planting or when larvae first appear and work into soil 2-3 inches immediately. Do not apply after planting. For subterranean cutworms apply just prior to planting and work into soil 4-6 inches immediately. Wireworms Apply 1-4 qts. per acre prior to planting and work into the soil 4-8 inches immediately. Corn may be picked immediately following last application. Corn forage may be fed to dairy and beef cattle and sheep.

ORNAMENTAL INSECT CONTROL

To control certain insect Carnation, Chrysanthemum per, Lilac, Locust, Maple, and Willow, apply the recommended rate.

Insect	Rate
Aphids, Bagworms, Carnation Shoot Mites, Clover Dipterous Leaf Miners, Moths, European Red N Bud Moths, Leafhopper Omnivorous Leaf Tiers, ers (Cottony-Cushion, Le Jose, Soft Scale), Thrips	1 fl. oz. 2 tablespoon
Apple and Thorn Skeleton worms, Fall Webworms, Looper, Oblique-banded Tent Caterpillars	16 fl. oz. 1 pint

Do not use on certain plants since injury to the plants may result. Mimosa Webworms (Mimosa) and apply as a third and fourth application.

LAWN INSECT CONTROL

To control insects listed below, apply the recommended rate. Ants, Brown Dog Ticks, Sowbugs and Collembola (and may enter the house, as the house foundation will be necessary.

Insects	Diazinon Rate
Lawn Chinch Bugs	2-3
Ants, Armyworms, Clover Mites, Collembola (Springtails), Crickets, Cutworms, Digger Wasps, Earwigs, Fruit Flies, Lawn Billbugs, Sod Webworms (Lawn Moths), Sowbugs	4
Brown Dog Ticks, Bermuda Mites, Chiggers, Fleas, Leafhoppers	1
Millipedes	8
Rhodes grass Scales	5

Alternately make applications immediately follow.

Boxelder Bugs Spray 1/2 to 1 tablespoon in 1 gal. foundation, windows, door thresholds.

FOREST INSECTS

PINE (SEED) ORCHARD (Larva Sawfly): Apply should be made at or near the base of the tree with a minimum 1-foot wide. Repeat application.

WESTERN FARM SERVICE, INC.

WESTERN FARM SERVICE, INC., 2401 Crow Canyon Road, SAN RAMON, CA. 945

DIAZINON AG-500

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

ACTIVE INGREDIENTS BY WEIGHT
 0,0-dimethyl 0-(2-isopropyl-6-methyl-4-pyrimidinyl) phosphorothioate 48.0
 Xylene 39.8
 Inert Ingredients 12.2
 EPA Reg. No. 11656-18 TOTAL 100.0

WARNING: KEEP OUT OF REACH OF CHILDREN.

skin. Do not breathe
 Wash thoroughly after
 hands or permit children
 to touch. Keep out of reach of
 children, household pets or livestock.
 If completely dried,
 is toxic to fish, shrimp,
 and crabs may be
 killed. Keep
 shrimp and crab may be
 not apply where these
 likely to occur. Do not
 treated. Do not con-
 of wastes. Apply this

treatment or residues on
 your State Agricultural
 Department.

atory by perforation or
 applies. If empty drum,
 in accordance with

set a five-day re-entry
 Five days should lapse
 may enter the field to
 treated foliage. When a
 applied in combination,
 applicable interval an

per 100 gals. of water.
 DIAZINON plus 2 to 3 gals.
 spray. Almond hulls may

Two-Spotted Spider Mites,
 per 100 gals. of light
 when scale crawlers are
 water. Apply as a cover
 of harvest.

Blueberry Maggots,
 of water. Apply up to
 of harvest.
RASBERRIES, DEWBERRIES,
 Aphids, Two-Spotted
 Minimum of 100 gals. of
 when blossom buds
 when scale crawlers are
 water. Apply as a cover
 of harvest.

Apple and Thorn Skeletonizers, Cottoncaterpillar Web
 worms, Fall Webworms, Hemlock Chermes, Oak
 Looper, Oblique-banded Leaf Miner, Pear Tree
 Tent Caterpillars

Orange, Tange-
 and Hybrids of
 Cucumber Scale Crawlers
 water (maximum 1000
 water)

PINEAPPLES: Scales Apply 5 qts. of DIAZINON AG-500 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 seven days following last application.

PLUMS AND 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 1 to 1 pt. per 100 gals. of water. Do not apply within ten 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 one to two days before transplanting and mix into the top 1 to 2 inches of soil immediately. Strawberry Leaf Rollers Mix 1 to 1 pt. per 100 gals. of water. Apply 200 gals. of spray per acre when blossoms show color. Do not apply within five days of harvest.

WALNUTS: Aphids, Mites Apply 1 qt. per acre as a foliage spray in a minimum of 100 gals. of water. Codling 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 AG-500 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, Leaf Miners Apply 1 to 1 1/2 pts. per acre. Cucumber Beetles Apply 1/2 pt. in 100 gals. of water per acre. Do not apply within seven days of bean harvest. Bean forage or bean hay may be fed to dairy and beef cattle and sheep. Wait four days following treatment if forage is to be cut for hay.

LIMA BEANS: Dipterous Leaf Miners, Leafhoppers, Mites Apply 1 pt. per acre. Do not apply within seven days of harvest. Bean forage or bean hay may be fed to dairy and beef cattle and sheep. Wait four days following treatment if forage is to be cut for hay.

BROCCOLI, CABBAGE AND CAULIFLOWER: Aphids, Diamondback Moths, Imported Cabbageworms Apply 1 to 1 pt. per acre. Applications at seven to ten-day intervals will usually be required. Do not apply to broccoli or cauliflower within five days, or to cabbage within seven days of harvest.

BRUSSELS SPROUTS: Aphids, Diamondback Moths, Imported Cabbageworms Apply 1 pt. per acre. Generally, applications at seven to ten-day intervals will be required. Do not apply to brussels sprouts within seven 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, AND TURNIP TOPS: Aphids, Imported Cabbageworms, Diamondback Moths, Harlequin Cabbage Bugs, Corn Earworms Apply 1 to 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 Leaf Miners, Thrips Apply 1 pt. per acre. Do not apply within 7 days of harvest.

LETTUCE AND ENDIVE: Aphids, Dipterous Leaf Miners Apply 1/2 to 1 pt. per acre. Do not apply within 10 days of harvest.

MELONS AND SQUASH (CANTALOUPE, CASABAS, CRANSHAWS, HONEYDEW MELONS, MUSKMELONS, PERSIAN MELONS, AND HYBRIDS OF THESE; WATERMELONS AND THEIR HYBRIDS; SUMMER AND WINTER SQUASH): Aphids, Leafhoppers, Mites Apply 1 to 1 1/2 pts. per acre. Serpentine Leaf Miners, Thrips Apply 1 to 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 (Phoridae and Sclerids) Mix 1/2 to 1 gal. in 50 gals. of water (0.5% to 1.0% actual DIAZINON) and spray on outside and inside walls and ventilators of mushroom houses, after compost in beds has been pasteurized by heating. Do not spray compost in beds or after spawning. To treat wooden sides of beds, posts, doors and door frames after pasteurizing, mix 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, Leaf Miners Apply 1 to 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 1/2 pt. per acre. Do not apply within 5 days of harvest.

POTATOES: Aphids, Flea Beetles, Colorado Potato Beetles, Dipterous Leaf

MOLE CRICKETS

Broccoli Collard Lettuce Radishes
 Brussels Sprouts Endive (escarole) Mustard Tomato
 Cabbage Kale Peppers Turnip
 Cauliflower

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 work into soil 1-2 inches immediately.

ONION MAGGOTS

Onions
 Farrow 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 and 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 1/4-1/2 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 1/2 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 to 1-1/3 gals. per 1,000 linear feet of row) in the seed furrow at planting time.

WIREWORMS

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

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

POTATOES: Wireworms Broadcast 3 to 6 qts. per acre prior to planting, immediately disk or harrow into soil 4 to 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 to 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 to 6 inches of soil, depending on location of wireworms.

FIELD AND FORAGE FOLIAR INSECTS

Unless otherwise stated, foliar application of DIAZINON AG-500 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 AND CLOVER: Spotted Alfalfa Aphids, Yellow Clover Aphids, Pea Aphids, Leafhoppers, Plant Bug Nymphs, Mites Apply 3/4 to 1 pt. per acre. Grasshoppers Apply 1 pt. 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 seven days following treatment. Alfalfa Weevil Larvae For control in the spring, apply 2 to 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 two days. Do not cut for hay for ten 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 to 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 1/2 to 1 pt. per acre. Corn Leaf Aphids Apply 1 to 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. Grasshoppers Apply 1 pt. per acre. Sap Beetles Apply 2 to 2-1/2 pts. per acre. Add 1 to 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, Cotton Leafworms, Cotton Leaf Perforators Apply 1 to 2 pts. in 5 to 25 gals. of water per acre. Repeat as infestation warrants. Do not apply within 14 days of harvest. Do not graze treated cotton plants or feed gin wastes to livestock.

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 Midge Apply 1 1/2 to 1 pt. per acre when 90% of heads have emerged from the boot. Repeat application within four 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 1 1/2 to 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 seven days of harvesting for grain.

SUGAR BEETS: Leafhoppers, Dipterous Leaf Miners, Aphids Apply 3/4 to 1 pt. per acre. Grasshoppers Apply 1 pt. per acre. NOTE: Tops may be fed to beef and dairy animals.

SUGARCANE: Aphids Apply 1/2 to 1 pt. per acre. Allow one day between last application and harvest. Haussa and forage may be fed to livestock.

COWPEAS: 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.

LESPEDEZA: 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.

PEANUTS: Cutworms Apply 2 qts. per acre in a 12-inch band over the row. Thorough coverage of the forage 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 work into soil 4-8 inches immediately. 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 1 pt. in 50 gals. of water and apply as a trench (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 work into soil 1-2 inches immediately. Seed-Corn Maggots—Broadcast 3 pts. per acre 3-4 weeks before transplanting. Work into soil 2 inches immediately. Wireworms Broadcast 2-3 qts. per acre 3-4 weeks before transplanting. Work into soil 6-9 inches immediately.

RANGE, PASTURE, AND GRASSLAND INSECTS

Unless otherwise stated, DIAZINON AG-500 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) forage grasses may be cut for hay 7 days following treatment.

RANGELAND, PASTURE, DITCH BANKS, ROADSIDES, WASTELAND, NONCROP AREAS, AND BARRIER STRIPS: Grasshoppers Apply 3-4 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 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, Gladiolus, Hawthorn, Holly, Juniper, Lilac, Locust, Maple, Oak, Pine, Plum, Poplar, Rhododendron, Rose, Spruce, and Willow, apply the recommended rates indicated below.

Insects	Rate per 3 gals. water	Rate 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	1 fl. oz.	3 pts.
Apple and Thorn Skeletonizers, Cottoncaterpillar Webworms, Fall Webworms, Hemlock Chermes, Oak Looper, Oblique-banded Leaf Miner, Pear Tree Tent Caterpillars	1 fl. oz.	3 pts.
1 fl. oz. 2 tablespoons		
16 fl. oz. 1 pint		

Do not use on certain Ferns, Poinsetta, Hibiscus, Begonia, Peonies, and since injury to the plants may occur.

Mimosa Webworms Mix 1 1/2 fl. oz. in 3 gals. of water and apply (100 gals. of water) and apply as a thorough foliage 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 five-foot band of soil around the house, as well as the house foundation wall to a height of two to three feet. Repeat application if necessary.

spray. Almond hulls may

Two-Spotted Spider Mites, 1 pt. per 100 gals. of light oil when scale crawlers are of water. Apply as a cover days of harvest.

Apple and Thorn Skeletonizers, Blueberry Maggots, 1 gal. of water. Apply up to 10 days of harvest.

Strawberries, Dewberries, Raspberries, Aphids, Two Spotted Mites, 1 pt. per 100 gals. of water. Apply either in the spring

Leaf Rollers Mix 1 pt. per beginning with petal fall. three to five applications

rowing season, or apply as 1 pt. per 100 gals. of water. cherry fruit flies begin to

Aphids Mix 1 pt. per 100 appear and repeat after ten of water. Apply during the

apply within ten days of gals. of water. Apply as a

Apples, Oranges, Tangerines, Lemons, and Hybrids of

ny-Cushion Scale Crawlers of water (maximum 1000 and crawler stages of scale

1 pt. per 100 gals. of spray 50 percent of eggs in egg

1 pt. in 100 gals. of water pear. Citrus Snow Scales

1000 gals. per acre) as a ivy snow scale infestations,

trunks, limbs and twigs is o citrus within 21 days of

rates recommended on this

moth (sulfureana)—Apply forms. Apply 3 qts. in 400

of harvest. it Beetles Apply 1 pt. per vest.

1 to 2 qts. in 250 to 400

Berry Moths, Grape Leaf

of 100 gals. of water as a ys of harvest. **Drosophila**

of 100 gals. of water as a appear. Make additional

apply within seven days of

IN AG-500 plus 1 1/2 gals. of of water. Apply as a cover

void injury to pollinating

Mites (Clover Mites), Two-

ale Crawlers—Mix 1 pt. per crawlers first appear. Olive

us 1-1/2 gals. light medium scale crawlers are present,

and apply at 100-1 petal day intervals. Time the last

, if possible. Peach Twig peaches in May and June,

of water in three to five tigh the growing season, or

ies Only. As a post-harvest ed to coincide with peak

of heavy infestations, two hes within 20 days, or 1/2

Walnut Caterpillars. Apply 100 gals. of water. Do not

cauliflower within five days, or to cabbage within seven days of harvest.

BRUSSELS SPROUTS: Aphids, Diamondback Moths, Imported Cabbage-worms—Apply 1 pt. per acre. Generally, applications at seven to ten-day intervals will be required. Do not apply to brussels sprouts within seven 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, AND TURNIP TOPS Aphids, Imported Cabbageworms, Diamondback Moths, Harlequin Cabbage Bugs, Corn Earworms—Apply 1/2 to 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 Leaf Miners, Thrips Apply 1 pt. per acre. Do not apply within 7 days of harvest.

LETTUCE AND ENDIVE: Aphids, Dipterous Leaf Miners—Apply 1/2 to 1 pt. per acre. Do not apply within 10 days of harvest.

MELONS AND SQUASH (CANTALOUPE, CASABAS, CRANSHAW, HONEYDEW MELONS, MUSKMELONS, PERSIAN MELONS, AND HYBRIDS OF THESE; WATERMELONS AND THEIR HYBRIDS; SUMMER AND WINTER SQUASH): Aphids, Leafhoppers, Mites Apply 1 to 1 1/2 pts. 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 (Phnoridae and Scleridae)—Mix 1/2 to 1 gal. in 50 gals. of water (0.5% to 1.0% actual DIAZINON) and spray on outside and inside walls and ventilators of mushroom houses, after compost in beds has been pasteurized by heating. Do not spray compost in beds or after spawning. To treat wooden sides of beds, posts, doors and door frames after pasteurizing, mix 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, Leaf Miners—Apply 1/2 to 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 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 1/2 to 3/4 pt. per acre. Banded Cucumber Beetles, Leafhoppers, Southern Armyworms—Apply 1/2 to 1.0 pt. per acre. Do not apply within 35 days of harvest.

RADISHES, PARSNIPS AND TURNIPS: Aphids, Flea Beetles, Dipterous Leaf Miners—Apply 1/2 to 1 pt. per acre. Do not apply within 10 days of harvest.

SPINACH AND BEETS: Aphids, Dipterous Leaf Miners Apply 1 to 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 Section

SWEET CORN: Corn Earworms—Apply 1 to 1 1/2 qts. per acre when silks first appear. Two or three repeat applications at 2 to 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 Foliage Insects and Field and Forage Soil Insects.

TOMATOES: Aphids, Dipterous Leaf Miners Apply 1/2 pt. per acre. To control leaf miners weekly applications are usually required. Banded Cucumber Beetles, Fall Armyworms, Southern Armyworms Apply 1/2 to 1 pt. per acre. Vinegar Flies (*Drosophila* spp.) Apply 1/2 to 1 pt. 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 DIAZINON AG-500 should always be applied to vegetable crops as a spray in a minimum of five gallons of water per acre for ground applications.

CUTWORMS (Surface and Subterranean):

Broccoli	Collards	Muskmelon	Spinach
Brussels Sprouts	Cucumbers	Parsley	Summer Squash
Cabbage	Endive (escarole)	Peas	Sweet Corn
Cantaloupes	Kale	Peppers	Swiss Chard
Cauliflower	Lettuce	Potatoes	Tomatoes
Celery	Lima Beans	Snap Beans	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 SPINACH (Centipedes):

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

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

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 two days. Do not cut for hay for ten 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 to 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 to 1 pt. per acre. Corn Leaf Aphids—Apply 1 to 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. Grasshoppers Apply 1 pt. per acre. Sap Beetles Apply 2 to 2-1/2 pts. per acre. Add 1 to 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, Cotton Leafworms, Cotton Leaf Perforators Apply 1 to 2 pts. in 5 to 25 gals. of water per acre. Repeat as infestation warrants. Do not apply within 14 days of harvest. Do not graze treated cotton plants or feed gin wastes to livestock.

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 Midge Apply 1/2 to 1 pt. per acre when 90% of heads have emerged from the boot. Repeat application within four 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 1 1/2 to 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 seven days of harvesting for grain.

SUGAR BEETS: Leafhoppers, Dipterous Leaf Miners, Aphids Apply 3/4 to 1 pt. per acre. Grasshoppers—Apply 1 pt. per acre. NOTE: Tops may be fed to beef and dairy animals.

SUGARCANE: Aphids Apply 1/2 to 1 pt. per acre. Allow one day between last application and harvest. Bagasse and forage may be fed to livestock.

TOBACCO: Aphids, Flea Beetles Apply 1/2 to 3/4 pt. per acre. Do not apply within three 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 AG-500 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 AND 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 Band Application at Planting Time: Apply 1-2 qts. per acre. Make application in the seed furrow or apply 2-1/2 to 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 amount recommended per acre. Postemergence Basal Treatment: Apply 1 1/4 to 2-1/2 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 harrow or cultivator immediately after spraying. Application should be made at the first sign of corn rootworm larvae, but no 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	Rate per acre Planting time Application	Postemergence basal treatment
48"	10,890	28-56 oz.	14-28 oz.
42"	12,458	31-62 oz.	15.5-31 oz.
40"	13,068	32-64 oz. (1-2 qts.)	16-32 oz. (1-1 1/2 qt.)
38"	13,939	35-70 oz.	17.5-35 oz.
36"	14,750	36-72 oz.	18-36 oz.
34"	17,424	44-88 oz.	22-44 oz.
32"	21,789	55-110 oz.	27.5-55 oz.
30"	26,156	64-128 oz. (2-4 qts.)	32-64 oz. (1-1 1/2 qt.)
15"	34,848	68-176 oz.	44-88 oz.

NOTE: For row spacing 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 into soil 2 inches immediately. (Cutworms, Surface and 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 10 days after planting. For subterranean cutworms apply just prior to planting and work into soil 4-8 inches immediately. Wireworms Apply 3-4 qts. per acre prior to planting and work into the soil 4-8 inches immediately. Corn may be picked immediately following last application. Corn forage may be fed to dairy and beef cattle and sheep.

ORNAMENTAL INSECT CONTROL

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

Insects	Rate per 3 gals. water	Rate 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 Thrips, Privet Mites, Scale Crawlers (Cottony Cushion, Lecanium, Pine Needle, San Jose, Soft Scale), Thrips, Two Spotted Mites, Webworms, Whiteflies	1 fl. oz.	1 pt.
Apple and Thorn Skeletonizers, Cottonaster Webworms, Fall Webworms, Hemlock Chermes, Oak Looper, Oblique-banded Leaf Rollers, Pear Slugs, Tent Caterpillars	1 fl. oz.	3 pts.

* 1 fl. oz. = 2 tablespoons
16 fl. oz. = 1 pint

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

Mimosa Webworms Mix 1/2 fl. oz. in 3 gals. of water (or 1 pt. in 100 gals. of water) and apply as a thorough foliage 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 five-foot band of soil around the house, as well as the house foundation wall to a height of two to three feet. Repeat application if necessary.

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, Fruit 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 fruit 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	1-1 1/2 fl. oz.	3 gals.	Do not apply to animals. For brown dog ticks, spray grass and under shrubbery, particularly near houses.
Millipedes	8 fl. oz.	3 gals.	
Rhodes grass 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 then apply water immediately following application.

Blender Bug Spray bugs outside the home with 1-1 1/2 to 1-1/2 fl. oz. of 1-2 to 3 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.

FOREST INSECTS

PINE (SEED OR HARD) PLANTATIONS, FORENEED (Aerially) (Probably Sawfly) Apply 1-2 pt. per acre over the tree canopy. Application should be made at or near the completion of egg laying. Aerial application should be made with a minimum of 2 gals. of spray per acre, in swathes 100-150 feet wide. Repeat application as needed.

NOTICE OF WARRANTY

WESTERN FARM SERVICE MAKES NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY PURPOSE, OR OTHERWISE, EXPRESS OR IMPLIED, concerning this product or its uses which extend beyond the use of the product under normal conditions in a cord with the statements made on the label.