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COTTON: Spider Mites Aphids Leafhoppers Lygus Bugs Cotton Leafworm Cotton Leafperforators
Apply 1 2 pt in 5 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 waste to livestock

GRAIN (Texas and Oklahoma only) Midge Apply ½ 1 pt per acre in a minimum of 10 gals of water for ground application 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 pt 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 ½ 1 pt per acre when 10% of heads have emerged from the boot Repeat application within 6 days
Mites Apply at the rates indicated below when infestation first appears and repeat as necessary
Texas and Oklahoma - Apply ½ 1 pt per acre All other areas - Apply 1 pt per acre
Crop may be fed to livestock immediately following treatment Do not apply within 7 days of harvesting for grain

SUGAR BEETS: Beet Leafhoppers Dipterous Leafminers Aphids Apply ½ 1 pt per acre
Grasshoppers Apply 1 pt per acre
Tops may be fed to beef and dairy animals

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

TOBACCO: Aphids Flea Beetles Apply ½ ¾ pt per acre Do not apply within 3 days of harvest
Grasshoppers Apply 1 pt per acre Do not apply within 14 days of harvest

FIELD AND FORAGE SOIL INSECTS
Unless otherwise stated last applications of LACCO 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, CLOVER: Cutworms (Surface and Subterranean) Broadcast 2 4 qts per acre just prior to planting Work into the soil immediately 2 3 inches for surface cutworms 3-6 inches for subterranean cutworms

CORN: Corn Rootworm Larvae Postemergence Band Treatment Apply 1½ 2½ oz per 1 000 linear feet of corn row in sufficient water to thoroughly wet base of corn plant and a narrow band of soil next to the plant Refer to the row spacing chart for amounts recommended per acre Cover treated band with 2 3 inches of soil using a disk hiller or cultivator immediately after spraying Applications should be made at the first sign of corn rootworm larvae just not later than June 24 in the Middle Corn Belt or July 1 in the Northern Corn Belt

Suggested Rates According to Row Spacing for Corn Rootworm Larvae Control

Row Spacing	Linear Feet of Corn Row / Acre	Postemergence Band Treatment (Fl. oz.)
40"	13 890	10 20
42"	12 455	15 5 31
45"	13 068	16 32 [illegible]
30"	13 933	[illegible] 5 35
36"	14 750	[illegible] 30
30"	17 424	22 84
24"	21 780	27 5 55
20"	26 135	32 64 (1 2 qts)
15"	34 840	44 68

Note For row spacings not listed calculate the appropriate dosage based on the 40 inch row figure

Sorghum Bloggers Broadcast 2 4 qts per acre just prior to planting Work immediately into soil 2 inches

Cutworms (Surface and Subterranean) Broadcast 2 4 qts per acre For surface cutworms apply just prior to planting or when larvae first appear and immediately work into soil 1 2 inches Do not apply later than today For subterranean cutworms apply just prior to planting and immediately work into soil 3-6 inches

Wireworms Apply 3 4 qts per acre prior to planting and immediately work into the soil 4-8 inches Corn forage may be fed to dairy and beef cattle and sheep Corn may be packed immediately following last application

COMPEAS: 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

LEMPEAS: 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 foliage is essential Begin application when small larvae appear Two or three additional applications at three week intervals may be necessary Do not apply within 21 days of peanut harvest Lentinan (1) may be fed peanut hulls (2) may be fed peanut forage 7 days following treatment and (3) may be fed peanut hay 21 days following treatment

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

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

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

SUGARCANE: Wireworms Apply 1 gal per acre in a 12 inch band covering over the furrow Make application directly to seed pieces or seed furrow at planting time

SUNFLOWER: Cutworms Broadcast 2 3 qts per acre before transplanting and immediately work into the soil 2 4 inches
Green Bean Beetle Larvae Mix ½ pt in 50 gals of water and apply as a drench (100 gals per 100 sq yds) to infested areas of plant beds with spraying can
Mole Crickets Broadcast 1 qt per acre when insects are present Make applications to beds or flats 1 2 days prior to sowing of seed or transplanting and immediately work into soil 1 2 inches
Sweetcorn Maggots Broadcast 3 pts per acre 3 4 weeks before transplanting Immediately work in to soil 2 inches
Wireworms Broadcast 2 3 qts per acre 3-6 weeks before transplanting Work immediately into soil 6-8 inches

GRASS PASTURE, AND RANGELAND INSECTS
Unless otherwise stated LACCO 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 PORAGE GRASSES OTHER THAN BARLEY AND PASTURE GRASSES: Thrips Armyworms 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

BARLEYLAND, PASTURE, DITCH BANKS, ROADSIDES, WASTELAND, RANGEGRASS AREAS, BARLEY STUBS: Grasshoppers Apply ½ 1 pt per acre in water or oil (Minimum of 1 gal of oil per acre) when insects first appear preferable in the immature 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 Camellia, 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 Carnations Bud Mites Carnation Root Mites Clover Mites Cyclamen Mites Dipterous Leafminers European Pine Shoot Moths European Red Mites Flea Beetles Holly Bud Moths Leafhoppers Obscure Root Weevil Omnivorous Leafroller Privet Mites Scale Crawlers (Cottonycushion Lecanium Pine Needle San Jose Soft) Thrips Tuliptree Moths Web worms Whiteflies	½ fl oz *	1 pt *
Apple - and Thorn Skeletonizers Cankerworm Webworms Fall Webworms Hornfaced Skeletonizer Oak Leafroller Omnivorous Leafroller 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

Whitefly Nuisance Mix ½ fl oz in 3 gals of water (or 1 pt in 100 gals of water) and spray 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, Cockroaches, Earwigs, Fleas, Millipedes, Sowbugs and Springtails (Collembola) 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 applications if necessary

Below 1 000 sq. ft.

Insects	LACCO Diazinon AG 500	Water	Remarks
Lawn Chinch Bugs	2 3 fl oz or 3 4 fl oz	25 gals *	Use higher rate for longer residual control on lawns of dense growth such as St Augustine lawns
Ants Carpenterworms Clover Mites Springtails Cockroaches Crickets Cutworms Digger Wasps Earwigs Fleas Flies Lawn Billbugs Leaf Hoppers Leaf Miners Mites Sowbugs	4 fl oz	1 gal	Spot spray ant hills and early ground nest openings For lawn billbugs irrigate the lawn thoroughly immediately after treatment For fleas mow grass and water well before treatment but delay application until grass is dry To kill water grass add 3 ounces
Brown Dog Ticks Bermuda Mites Chiggers Fleas Earthworms	[illegible] fl oz	1 gal	Do not apply to animals For brown dog ticks spray rails and water shrubbery plants only with hose
Millipedes	8 fl oz	1 gal	
Pheasantgrass Scales	5 fl oz	25 gals *	Apply when crawlers first emerge

*For more application at 1 gal of water per 1 000 sq ft and thoroughly water immediately following application

Boxelder Bugs Spray bugs outside the home with 1½ 2½ fl oz (2 to 5 tablespoons) in 1 gal water At the same time thoroughly spray around foundation windows doors tree trunks and other places where the insects hide

BALLINGER, BROWN BANDED Insects on Ornamentals Beetle Larvae Europeans Chafer 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 late July and early October For billbug control apply midday early in first observed or when observed in brown grass is present indicating damage from billbug larvae

HYPERODES WEEVIL (New York only) Apply 3 fl oz per 1 000 sq ft of grass Water grass thoroughly after application Treat problem areas in mid April and again in mid May

FRUIT INSECTS
PEAR (Good Orchards Pennsylvania Eastern Australian Sources of Psylla Specified) Apply ½ pt per acre into the late season Applications should be made after the completion of egg hatch or after applications should be made at a minimum of 2 gals of spray per acre in trees not over 10 ft Repeat applications as needed

NOTICE: Recommendations for the use of this product are based upon information believed to be reliable at time of printing The use of this product being beyond the control of LOS ANGELES CHEMICAL COMPANY we guarantee neither its effectiveness nor results as to the effects of such use to be obtained If used in accordance with directions or notwithstanding care and usual practice THE BUYER must assume all respons[illegible] including injury and or damage resulting from its handling or use in combination with other products

Olive Snow Scales Apply 1 2 pts per 100 gals of water (equivalent 1 000 gals per acre) as a pesticidal spray and agitate 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 olives within 21 days of harvest Shining and crab may be killed at application rates recommended on this label Do not apply where there are endangered 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 spp) 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 8 days of harvest

Drosophila spp Apply 12 18 fl oz per acre in a minimum of 100 gals of water as a thorough cover spray or apply when insects first appear Make additional applications at weekly intervals as necessary Do not apply within 7 days of harvest

OLIVES: Olive Scales Mix ½-1 pt of LACCO 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, 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 ½ pt of LACCO Diazinon AG 500 plus 1½ 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 2 additional applications at 10-15 day intervals Time the last application to peak adult oriental fruit moth flight if possible
Peach Twig Borers Mix 1 pt per 100 gals of water and apply to peaches in May and June
Leafhoppers (Peaches only) Apply 1 pt per 100 gals of water in 3 5 applications beginning at petal fall and continuing through the growing season or as infestations develop
White Peach Scale (Peaches Only) As a post harvest spray apply 1½ 2 pts per 100 gals of water timed to coincide with peak crawler and immature scale activity Under conditions of heavy infestations two applications may be necessary
Do not apply to peaches within 20 days or to nectarines within 10 days of harvest

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

PINEAPPLE: Scales Apply 5 qts of LACCO Diazinon AG 500 plus 2 gals of light or medium horticultural oil in 500 gals of water per acre to the vegetative stage as 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 ½ 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 ensure thorough coverage of the foliage Make additional applications if necessary after harvest
Mole Crickets Broadcast 1 qt per acre when insects are present Apply 1 2 days before transplanting and immediately work into the top 1 2 inches of soil
Strawberry Leafroller Mix ½ 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
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

FIELD AND FORAGE FOLIAR INSECTS
Unless otherwise stated labels applications of LACCO 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 1 1 gals of water per acre for ground applications

ALFALFA, CLOVER: Spotted Alfalfa Aphids Yellow Clover Aphids Pea Aphids Leafhoppers Plant Bugs Weevils Mites Apply ½ 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 7 days following treatment
Alfalfa Weevil Larvae For control in the spring apply 2 1 qts 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 or milk or sheep for 7 days Do not cut for hay for 10 days following treatment
Do not spray insects directly with either air or ground equipment Do not treat during bloom to avoid injury to pollinating insects

CLOVER: Stripe Ground Crickets Broadcast 1 2 qts per acre following seeding or 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 Bloggers Adults Apply ½ 1 pt per acre
Corn Leaf Aphids Apply 1 2 qts per acre Use partial coverage of the upper portions of the plant as essential Repeat applications as necessary
Mites Apply 1 pt per acre when insects are present Do not apply applications as needed
Corn Borers Apply 1 pt per acre when insects first appear Repeat applications as necessary
Grasshoppers Apply 1 pt per acre
Leaf Beetles Apply 2 qts per acre Add 1 2 gals of water to spray per acre in the spray mixture Consult State Agricultural Extension Service or Extension Service specialists for the proper timing of sprays Corn may be packed immediately following last application Corn forage may be fed to dairy and beef cattle and sheep.

BEST DOCUMENT AVAILABLE

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E.P.A. REG. NO. 962-402 E.P.A. EST. NO. 962-CA-1

DIAZINON AG 500 INSECTICIDE

For Agricultural/Commercial Use Only

ACTIVE INGREDIENTS:

0,0-Diethyl 0-(2-isopropyl-6-methyl-4-pyrimidinyl phosphorothioate	47.5%
XYLENE	39.4%
INERT INGREDIENTS:	13.1%
Total	100.0%

LACCO DIAZINON AG 500 CONTAINS 4 LBS. DIAZINON PER GALLON

KEEP OUT OF REACH OF CHILDREN

WARNING

See side panel for additional precautionary statements.

PRACTICAL TREATMENT: (FIRST AID)

IF SWALLOWED Call a physician or Poison Control Center immediately Gastric lavage is indicated if material was taken internally

DO NOT INDUCE VOMITING unless other treatment is not available Vomiting may cause aspiration pneumonia

If it is necessary to induce vomiting give victim one or two glasses of water and insert finger in back of throat Repeat until vomit fluid is clear Do not induce vomiting or give anything by mouth to an unconscious person

IF INHALED Remove victim to fresh air. Give artificial respiration if victim stops breathing Get medical attention immediately

IF ON SKIN Remove contaminated clothing and wash contaminated skin with soap and water

IF IN EYES Flush eyes with plenty of water for at least 15 minutes Get medical attention immediately

LOT NO.

NET CONTENTS: 1 GALLON

LOS ANGELES CHEMICAL COMPANY
4545 Ardine St., South Gate, California 90280

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING

Keep out of reach of children. May be fatal if swallowed. May be absorbed through skin. Do not breathe spray mist. Do not get in eyes, on skin, or on clothing. Wash thoroughly before smoking or eating and after handling. Avoid contamination of food and feed. Keep out of reach of domestic animals. Do not contaminate ornamental foliage. Do not use on humans, household pets or livestock. Keep children and pets out of treated areas until spray has dried.

PHYSICAL OR CHEMICAL HAZARDS

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

ENVIRONMENTAL HAZARDS

This product is toxic to fish, birds, and other wildlife. Birds and other wildlife feeding on treated areas may be killed. Keep out of lakes, streams, ponds, tidal marshes, and estuaries (except for effluents from treated watercress beds). Do not apply to water that will be used for recreational purposes and human and livestock consumption. Shrimp and crab may be killed at application rates recommended on this label. Do not apply where fish, crab and other aquatic life are important resources. This product must not be used in areas where impact on threatened endangered species is likely. Contact your State Fish and Game Agency before applying this product. Apply this product only as specified on this label.

GENERAL INFORMATION

LACCO Diazinon AG 500 is an emulsifiable solution which, when diluted with water according to the directions, is intended for the control of insect pests of agricultural crops. Do not use in barns or dwellings. Do not use on livestock.

In the overhead-fly use which follows, best control is obtained when application is made at first sign of insects. Application should be repeated as necessary to maintain control.

NOTE: The California Department of 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.

DIRECTIONS FOR USE

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

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

PESTICIDE DISPOSAL: Pesticide, spray mixture, or rinse water that cannot be used according to label instructions must be disposed of according to Federal or approved state procedures under Subtitle C of the Resource Conservation and Recovery Act.

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

VEGETABLE FOLIAR APPLICATIONS

Unless otherwise stated, foliar applications of LACCO Diazinon AG 500 should always be applied to vegetable crops in a spray in a minimum of 2 gal. 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 1½ pts. per acre. Cucumber Beetles: Apply ½ pt. in 100 gals. of water per acre. Do not apply within 7 days of bean harvest. Bean forage or bean hay may be fed to dairy and beef cattle and sheep. Wait 4 days following treatment of forage or to be cut for hay.

LIMA BEANS: Dotted Leafhoppers, Leafhoppers, Mites: Apply 1 pt. per acre. Do not apply within 7 days of harvest. Bean forage or bean hay may be fed to dairy cattle and sheep. Wait 4 days following treatment of forage or to be cut for hay.

BROCCOLI, CABBAGE, CAULIFLOWER: Aphids, Diamondback Moths, Imported Cabbageworms: Apply ½ to 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, Diamond 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 marketed trimmed (tops removed) before being shipped or used. Tops should not be used for feed or food.

COLLARDS, KALE, SWISS CHARD, TURNIP TOPS: Aphids, Imported Cabbageworms, Diamondback Moths, Harlequin Cabbage Bugs: Apply 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, Spotted Cucumber Beetles, Thrips: Apply 1 pt. per acre. Do not apply within 7 days of harvest.

LETTUCE, ENDIVE: Aphids, Dotted Cucumber Beetles: Apply ½ pt. per acre. Do not apply within 10 days of harvest.

MELONS, SQUASH, CANTALOUPES, CASABAS, CRENSHAWS, HONEYDEW MELONS, SAN GABRIELS, PERSIAN MELONS, AND HYBRIDS OF THESE, WATERMELONS AND THEIR HYBRIDS, SUMMER AND WINTER SQUASH: Aphids, Leafhoppers, Mites: Apply 1 to 1½ pts. per acre. Spotted Cucumber Beetles: Apply 1 pt. per acre. Do not apply to melons and other squash within 3 days or to summer squash within 7 days of harvest.

MUSHROOM HOUSES: Mushroom Flies, Phorids and Scuttle Flies: 1 Gal. in 50 Gals. of water (1.5% to 1.0% a.i.) Diazinon and spray on outside and inside walls and ceiling. If mushroom houses after compost in beds has been pasteurized by heating. Do not spray compost in beds or other growing. This will minimize odors of beds, peats, doors and days treated after pasteurizing, dilute 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, Leafhoppers: Apply ½ to 1 pt. per acre. Peas may be picked immediately. Pea vines and pea straw may be fed to dairy and beef cattle and sheep. Wait 4 days following treatment of forage or to be cut for hay.

PEPPERS: Aphids, Imported Cabbageworms: Apply ½ pt. per acre. Do not apply within 3 days of harvest.

POTATOES: Aphids, Flea Beetles, Colorado Potato Beetles, Dotted Cucumber Beetles, Leafhoppers: Apply ½ to 1 pt. per acre. Banded Cucumber Beetles, Leafhoppers, Southern Armyworms: Apply ½ pt. per acre. Do not apply within 35 days of harvest.

RADISHES, PARSNIPS, TURNIPS: Aphids, Flea Beetles, Imported Cabbageworms, Leafhoppers: Apply 1 pt. per acre. Do not apply within 10 days of harvest.

SPINACH, BEETS: Aphids, Spotted Cucumber Beetles: Apply 1 pt. per acre. Do not apply to spinach within 7 days or to beets within 14 days of harvest.

SQUASH: Aphids, Cucumber Beetles, Mexican and Squash Ladybeetles

BEST DOCUMENT AVAILABLE

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING

[illegible] out of reach of children. May be fatal if swallowed. May be absorbed through skin. Do not [illegible] spray mist. Do not get in eyes, on skin, or on clothing. Wash thoroughly before smoking or [illegible] and after handling. Avoid contamination of feed and food. Keep out of reach of domestic [illegible]. Do not contaminate ornamental ponds. Do not use on humans, household pets or [illegible]. Keep children and pets out of treated areas until spray has dried.

PHYSICAL OR CHEMICAL HAZARDS

[illegible] use, dust, spill or store near heat or open flame.

ENVIRONMENTAL HAZARDS

[illegible] is toxic to fish, birds, and other wildlife. Bees and other pollinating insects are killed [illegible] may be killed. Keep out of lakes, streams, ponds, tidal marshes, and estuaries (except for [illegible] been treated otherwise legal). Do not apply to water that will be used for recreational purposes and human and livestock consumption. Shrimp and crab may be killed at application rates [illegible] on this label. Do not apply where fish, crab and other aquatic life are important [illegible]. This product must not be used in areas where impact on threatened endangered species [illegible]. Contact your State Fish and Game Agency before applying this product. Apply this product [illegible] as specified on this label.

GENERAL INFORMATION

[illegible] Dusanon AG 500 is an emulsifiable solution which, when diluted with water according to [illegible] instructions, is intended for the control of insect pests of agricultural crops. Do not use on [illegible] forage. Do not use on livestock.

[illegible] dusanon-treated areas which follow, best control is obtained when application is made at first [illegible] of insects. Applications should be repeated as necessary to maintain control.

[illegible] The California Department of Agriculture has set a 5 day reentry for Dusanon on citrus, [illegible] grapefruit and nectarines. Five days should elapse between the time of application and the [illegible] a worker may enter the field to engage in any activity involving substantial contact with [illegible] foliage. When a mixture of two or more organic phosphate insecticides is applied, the interval [illegible] be prolonged by adding to the longest applicable interval an additional 50% of that interval.

DIRECTIONS FOR USE

[illegible] violation of federal law to use this product in a manner inconsistent with its labeling.

STORAGE AND DISPOSAL

[illegible] contaminate water, food or feed by storage or disposal.

PESTICIDE DISPOSAL: Pesticide, spray mixture, or rinse water that cannot be used according to [illegible] instructions must be disposed of according to Federal or approved state procedures under [illegible] C of the Resource Conservation and Recovery Act.

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

[illegible] FOLIAGE INSECTS:

[illegible] otherwise stated, foliar applications of LACCO Dusanon AG 500 should always be applied to [illegible] crops as a spray at a maximum of 2 gals. of water per acre for normal application and a [illegible] of 10 gals. of water per acre for ground applications.

[illegible]: Pole Beans, Snap Beans, Lima Beans: Black Bean Aphids, Mexican Bean Beetles, Leafhoppers. Apply 1½ pts. per acre. Cucumber Beetles: Apply ½ pt. in 100 gals. of water per acre. Do not apply within 7 days of bean harvest. Bean forage or bean hay may be fed to dairy and beef cattle and sheep. Wait 6 days following treatment of forage in the bag or cut for hay.

[illegible] BEANS: Dusanon Spiderwebs, Leafhoppers, Mites: Apply 1 pt. per acre. Do not apply within 7 [illegible] of harvest. Bean forage or bean hay may be fed to dairy cattle and sheep. Wait 6 days following treatment of forage in the bag or cut for hay.

[illegible] CABBAGE, CAULIFLOWER: Aphids, Diamondback Moths, Imported Cabbageworms: Apply ½ to 1 pt. per acre. Applications at 7-10 day intervals will usually be required. Do not apply [illegible] broccoli or cauliflower within 5 days, or to cabbage within 7 days of harvest.

[illegible] SPROUTS: Aphids, Diamond Moths, Imported Cabbageworms: Apply 1 pt. per acre. [illegible] applications at 7-10 day intervals will be required. Do not apply to brussels sprouts within 7 days of harvest.

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

[illegible]: 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. [illegible] should not be used for feed or food.

[illegible] KALE, TURNIP GREENS, TURNIP TOPS: Aphids, Imported Cabbageworms, Diamondback Moths, Harlequin Cabbage Bugs: Apply ½ to 1 pt. per acre. Do not apply to collards, kale or turnip greens within 10 days, or to Turnip Greens within 12 days of harvest.

[illegible]: Aphids, Sweetpotato Leafhoppers, Thrips: Apply 1 pt. per acre. Do not [illegible] within 7 days of harvest.

[illegible]: Aphids, Potatoes Leafhoppers: Apply ½ to 1 pt. per acre. Do not apply within 10 days of harvest.

[illegible] SQUASH, CANTALOUPES, CASABAS, CHERIMOYAS, HONEYDEW MELONS, MUSKMELONS, [illegible] MELONS, AND HYBRIDS OF THESE, WATERMELONS AND THEIR HYBRIDS, SUMMER AND WINTER SQUASHES: Aphids, Leafhoppers, Mites: Apply 1 to [illegible] per acre. Sweetpotato Leafhoppers: Apply ½ to 1 pt. per acre. Do not apply to melons and winter squashes within 3 days or to summer squashes within 7 days of harvest.

[illegible] WORMS: Blackworms, Fall Armyworms, Armyworms: Use ½ to 1 Gal. in 50 Gals. of water [illegible] 0.5 lb. to 1.0 lb. actual Dusanon and spray on outside and inside walls and [illegible] of mushroom [illegible] after compost in beds has been pasteurized by heating. Do not spray compost in beds or [illegible] spawning. To treat outside sides of beds, walls, doors and door frames after pasteurizing, use [illegible] 6 gals. of water and apply with a brush. Do not treat compost.

[illegible]: Cowpea Florida: Apply 1 pt. per acre. Do not apply within 10 days of harvest.

[illegible]: Aphids, Leafhoppers: Apply ½ to 1 pt. per acre. Peas may be packed immediately [illegible]. Pea vines and [illegible] hay may be fed to dairy and beef cattle and sheep. Wait 6 days following treatment of forage in the bag or cut for hay.

[illegible]: Aphids, Sweetpotato Leafhoppers: Apply ½ to 1 pt. per acre. Do not apply within 3 days of harvest.

[illegible]: Aphids, Flea Beetles, Colorado Potato Beetles, Orgilus Leafhoppers, Aphids: [illegible] ½ to 1 pt. per acre. Rooted Cucumber Beetles, Leafhoppers, Southern Armyworms: Apply ½ to 1 pt. per acre. Do not apply within 35 days of harvest.

[illegible] PARSNIPS, PARSLEY: Aphids, Flea Beetles, Orgilus Leafhoppers: Apply 1 pt. per acre. Do not apply within 10 days of harvest.

[illegible] BEETS: Aphids, Orgilus Leafhoppers: Apply ½ to 1 pt. per acre. Do not apply within 10 days of harvest.

[illegible]: Summer and Winter Squash, Watermelons, Pumpkins, Squash: [illegible]

SWEET CORN: Corn Earworm: Apply 1-1½ pts. per acre when eggs first appear. Two or three repeat applications at 2-3 day intervals will usually be necessary. Corn may be picked immediately following last application. Corn forage may be fed to dairy and beef cattle and sheep. Refer also to Corn under Field and Forage Foliar Insects and Field and Forage Soil Insects.

TOMATOES: Aphids, Orgilus Leafhoppers: Apply ½ pt. per acre. To control Leafhoppers, weekly applications are usually required. Banded Cucumber Beetles, Fall Armyworms, Southern Armyworms: Apply ½ to 1 pt. per acre. Hornworm Fruit (Drosophila sp.): Apply ½-1½ pts. per acre. Weekly applications are usually required. Do not apply within 1 day of harvest.

WATERCRESS: (Nasturtium spp.) 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, foliar applications of LACCO Dusanon AG 500 should always be applied to vegetable crops as a spray at a maximum of 5 gals. of water per acre for ground applications.

CUTWORMS: (Surface and Subterranean)

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

Broadcast 2-4 qts. per acre prior to planting, and immediately work into soil 2-3 inches for surface cutworms, 3-6 inches for subterranean cutworms.

GARDEN SYMPHYLANS: (Centipedes)

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

Broadcast 10 qts. per acre just prior to planting. Immediately work into soil 6-8 inches. This product treatment will also control other soil insects, such as cutworms (surface and subterranean), mole crickets, root maggots, and wireworms.

MOLE CRICKETS:

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

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

ONION MAGGOTS: Onions

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

ROOT MAGGOTS:

Broccoli, Brussels Sprouts, Cabbage, Cauliflower, Radishes: 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 or drench application: Mix ½ to 1 pt. in 50 gals. of transplant water when 200-300 gals. of water are used per acre. Mix be applied at the rate of ½-1 quart per plant either by hand or by tractor-mounted or hand operated with drag hoses 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 (1-1½ gals. per 1,000 linear feet of row) in the seed furrow at planting time.

WIREWORMS:

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

Broadcast 3-4 qts. per acre prior to planting and immediately work into soil 6-8 inches. Potatoes: Broadcast 3-6 qts. per acre prior to planting, immediately drill or furrow into soil 6-8 inches.

SOUTHERN POTATO WIREWORMS: Southern strain of S. r. Pomptus. For use to control southern potato wireworms in potatoes grown in muck soils in the Southeast, apply 2-6 qts. per acre as a soil treatment prior to planting and immediately and thoroughly by disking or other suitable means into the top 3-6 inches of soil. Depending on location of infestation.

FRUIT AND NUT CROPS

NOTE: UNLESS OTHERWISE STATED, THE FOLLOWING RATES SHOULD BE APPLIED AS A DILUTE FULL COVER SPRAY.

ALMONDS: Mites, Fungus Diseases: Apply 1 to [illegible] pts. per 100 gal. of water. Parlatoria Scales, San Jose Scales: Mix 1½ pts. LACCO Dusanon AG 500 plus 2-3 gals. dormant oil per 100 gals. of water and apply as a dormant spray. Almond hulls may be used for feed for livestock.

APRICOTS: Aphids, Brown Mites, Clover Mites, Twospotted Spider Mites, Oriental Scale Crawlers, San Jose Scale Crawlers: Mix 1 pt. per 100 gals. of water. Apply when aphids, mites and scale crawlers first appear. Oriental Scale Crawlers: Mix ½ pt. of LACCO Dusanon AG 500 plus 1½ gals. light medium horticultural oil per 100 gals. of water. Apply when scale crawlers are present. Apricot Weevilworms: Mix 1 pt. per 100 gals. of water. Apply as a cover. 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. water. Apply up to 200 gals. of spray per acre. Do not apply within 7 days of harvest.

CRANBERRIES: Blackheaded, Raspberrytwig, Blackheaded, Leptoglossus, Raspberrytwig Leafhoppers, Thrips, Aphids, Twospotted Mites, Raspberry Sawflies: Apply 2 qts. per acre in a minimum of 100 gals. of water. Raspberry Fruitworms: Apply at the above rate when between buds separate and repeat applications monthly until before bloom. Apply Cranberry Mites: Apply 1-2 qts. per acre in a minimum of 100 gals. of water. Apply as a dormant spray in early spring, when canes are still on the ground and buds are closed. Make a second application when the buds are well separated, but not in bloom. Do not apply within 7 days of harvest.

Raspberry Fruitworm, Crane Flies, Raspberry Bud Borers: Apply 2 qts. per acre in a minimum of 100 gals. of water as a drench to the crown area and to the lower canes. Apply as late in the spring before canes begin to leave, or in the fall after harvest.

CHERRIES: Twospotted Bud Mites, Fruitworm Leafhoppers: Mix 1 pt. per 100 gals. of water. Apply as cover sprays as necessary beginning with petal fall. Cherry Fruit Flies: Mix ½ pt. per 100 gals. of water. Make 2 to 3 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. 1-3 applications beginning at petal fall and continuing through the growing season as early 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 Scales: Mix 1 pt. per 100 gals. of water. Apply during the late dormant stage or when crawlers first appear. Do not apply within 10 days of harvest. Cherry Bark Mites: Mix ½-1 pt. per 100 gals. of water. Apply as a supplemental spray after harvest.

CITRUS FRUITS: GRAPEFRUIT, LEMONS, LIMES, ORANGES, TANGELOS, TANGERINES, CITRUS CITRON, KUMQUATS, AND HYBRIDS OF THESE.

[illegible] Aphids, Fruitworm Leafhoppers, Cottonycushion Scale, Purple Scales, San Jose Scale Crawlers: Apply ½ to 1 pt. per 100 gals. of water (minimum 1,000 gals. per acre) as a thorough cover spray when aphids and other insects of local importance first appear. Fruitworm Leafhoppers: Use ½ to 1 pt. per 100 gals. of water (minimum 1,000 gals. per acre) when an average of 10 percent of eggs and young nymphs have hatched or when [illegible]. Purple Scales: Apply 1 pt. in 100 gals. of water (minimum 1,000 gals. per acre) when thrips first appear.

ACCEPTED
with COMMENTS
In EPA Letter Dated:

JUN 18 1984

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 9162-416