

TOBACCO STATES CHEMICAL CO., INC.

# Diazinon®

EPA Reg. No. 226-240

## Insecticide

FOR CONTROL OF CERTAIN INSECTS ON FRUITS, NUTS, VEGETABLES, FIELD CROPS, AND ORNAMENTALS.

# AG500

Supplemental Insect Control Continued

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	½ fl. oz.*	1 pt.*
Apple-and-Thorn Skeletonizers, Coneaster Webworms, Fall Webworms, Hemlock Chermes, Oak Looper, Oblique-banded Leaf Rollers, Pear Slugs, Tent Caterpillars	1½ fl. oz.	3 pts.

\*fl. oz. = 2 tablespoons  
16 fl. oz. = 1 pint  
Do not use on certain Ferns, Poinsettia, Hibiscus, Papaya, Pilea, and Gardenia, since injury to the plants may occur.

Mimosa Webworms: Mix ½ fl. oz. in 3 gals. of water (or 1 pt. in 100 gals. of water) and apply as a thorough foliar spray when adults first appear. Make a second and third application at 4-5 week intervals.

### LAWN INSECT CONTROL

To control insects listed below, apply recommended rates. For control of Ants, Brown Dog Ticks, Clover Mites, Crickets, Earwigs, Fleas, Millipedes, Sowbugs, and Collembola (Springtails), which are commonly found near the house and may enter the house, spray a 5-ft. band of soil around the house, as well as the house foundation wall to a height of 2-3 ft. Repeat application if necessary.

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

Billbugs and White grubs, such as Japanese beetle larvae, European chafer and Southern chafer: Apply 4 fl. oz. per 1000 sq. ft. of lawn. Water grass thoroughly after application. For grub control make application any time between late July and early October. For billbug control apply when activity is first observed or when chewed or brown grass is present, indicating damage from this insect.

Insects	Rate/1,000 sq. ft.		Remarks
	Diazinon AG500	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, Ear-			Spot spray ant hills and wasp ground nest openings. For lawn billbugs, irrigate the lawn thoroughly.

**ACTIVE INGREDIENTS:**  
O,O-diethyl O-(2-isopropyl 6-methyl-4-pyrimidinyl) phosphorothioate\* 47.5%  
Aromatic petroleum derivative solvent 26.2%  
**INERT INGREDIENTS:** 26.3%  
**TOTAL** 100.0%  
\*Diazinon® is a trademark of CIBA-GEIGY CORPORATION  
DIAZINON® AG 500 contains 4 lbs. DIAZINON® per gallon

### WARNING: Keep out of reach of children.

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

### FISH AND WILDLIFE CAUTION:

This product is toxic to fish and wildlife. Birds feeding on treated areas may be killed. Keep out of any body of water. Do not apply when weather conditions favor drift from areas treated or where runoff is likely to occur. Do not contaminate water by cleaning of equipment or disposal of wastes. Apply this product only as specified on this label.

This product is highly toxic to bees exposed to direct treatment or residues on crops. Protective information may be obtained from your Cooperative Agricultural Extension Service.

Do not reuse empty container. Destroy by perforation or crushing and burning in a safe place. Do not use, pour, spill or store near heat or open flame. See side and back panels for additional warnings.

**DIRECTIONS FOR USE AND CONDITIONS OF SALE AND WARRANTY**  
IMPORTANT: Read the entire Directions For Use and the Conditions Of Sale And Warranty before using this product.

**Conditions Of Sale And Warranty**  
The Directions For Use of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of TOBACCO STATES CHEMICAL CO., INC. or the Seller. All such risks shall be assumed by the Buyer.

TOBACCO STATES CHEMICAL CO., INC. warrants that this product conforms to the chemical description on the label and is reasonably fit for the purpose referred to in the Directions For Use, subject to the inherent risks referred to above. TOBACCO STATES CHEMICAL CO., INC. makes no other express or implied warranty of fitness or merchantability or any other express or implied warranty. In no case shall TOBACCO STATES CHEMICAL CO., INC. or the Seller be liable for consequential, special, or indirect damages resulting from the use or handling of this

### FRUIT AND NUT CROPS

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

Cherries—Eye-spotted Bud Moths, Fruit-Tree Leaf Roller: 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 3-5 applications beginning at petal fall and continuing through the growing season, or apply as infestations develop.

Cherry Fruit Flies: Mix ½-1 pt. per 100 gals. of water. Make 3 or 4 applications, beginning when adult cherry fruit flies begin to emerge and repeat at 10-day intervals.

Black Cherry Aphids: Mix 1 pt. per 100 gals. of water. Apply as a cover spray when aphids appear and repeat after 10 days.

San Jose Scale Crawlers: Mix 1 pt. per 100 gals. of water. Apply during the pre-pink stage or when crawlers first appear. Do not apply within 10 days of harvest.

Cherry Rust Mites: Mix ½-1 pt. per 100 gals. of water. Apply as a supplemental spray after harvest.

Grapes—Pacific Spider Mites, Leafhoppers, Grape Berry Moths, Grape Leaf Folders: Apply 1-2 pts. per acre in a minimum of 100 gals. of water as a thorough cover spray. Do not apply within 18 days of harvest.

Drosophila 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.

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 ½ pt. of Diazinon AG500 plus ½ 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 apply as infestations develop.

White Peach Scale (Peaches only): As a post-harvest spray, apply 1½-2 pts. per 100 gals. of water timed to coincide with peak crawler and immature scale activity. Under conditions of heavy infestations, 2 applications may be necessary.

Do not apply to peaches within 20 days, or to nectarines within 10 days of harvest.

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

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 ½-1 pt. per 100 gals. of water. Do not apply within 10 days of harvest.

<p>Flie 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</p>	1/2 fl. oz.*	1 pt.*
<p>Apple-and-Thorn Skeletonizers, Cotoneaster Webworms, Fall Webworms, Hemlock Chermes, Oak Loopers, Oblique-banded Leaf Rollers, Pear Slugs, Tent Caterpillars</p>	1 1/2 fl. oz.	3 pts.

\*fl. oz. = 2 tablespoons

16 fl. oz. = 1 pint

Do not use on certain Ferns, Poinsettia, Hibiscus, Papaya, Pine, 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 foliar spray when adults first appear. Make a second and third application at 4-5 week intervals.

**LAWN INSECT CONTROL**

To control insects listed below, apply recommended rates. For control of **Ants, Brown Dog Ticks, Clover Mites, Crickets, Earwigs, Fleas, Millipedes, Sowbugs, and Collembola (Springtails)**, which are commonly found near the house and may enter the house, spray a 5-ft. band of soil around the house, as well as the house foundation wall to a height of 2-3 ft. Repeat application if necessary.

**Boxelder Bugs:** Spray bugs outside the home with 1 1/4-2 1/2 fl. oz. (2 1/2-5 tablespoons) in 1 gal. water. At the same time thoroughly spray around foundation, windows, doors, tree trunks, and into cracks and other places where the insects hide.

**Billbugs and White grubs, such as Japanese beetle larvae, European chafer and Southern chafer:** Apply 4 fl. oz. per 1000 sq. ft. of lawn. Water grass thoroughly after application. For grub control make application any time between late July and early October. For billbug control apply when activity is first observed or when chewed or brown grass is present, indicating damage from this insect.

Insects	Rate/1,000 sq. ft.		Remarks
	Diazinon AG500	Water	
Lawn Chinch Bugs	2-3 fl. oz. or 3-6 fl. oz.	25 gals.*	Use higher rate for longer residual control and in lawns of dense growth, such as St. Augustine lawns.
Ants, Armyworms, Clover Mites, Collembola (Springtails), Crickets, Cutworms, Digger Wasps, Earwigs, Frit Flies, Lawn Billbugs, Sod Webworms (Lawn Moths), Sowbugs	4 fl. oz.	3 gals.	Spot spray ant hills and wasp ground nest openings. For lawn billbugs, irrigate the lawn thoroughly immediately after treatment. For frit flies, mow grass and water well before treatment but delay application until grass is dry. Do not water again until necessary.
Brown Dog Ticks, Bermuda Mites, Chiggers, Fleas, Leafhoppers	1 1/4 fl. oz.	3 gals.	Do not apply to animals. For brown dog ticks spray grass and under shrubbery, particularly near house.
Millipedes	8 fl. oz.	3 gals.	
Rhodes-grass Scales	5 fl. oz.	25 gals.*	Apply when crawlers first emerge.

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

**FOREST INSECTS**

**Pine (Seed Orchards, Plantations, Forests)—Arkansas Sawfly (Loblolly Sawfly):** Apply 1/2 pt. per acre over the tree canopy. Application should be made at or near the completion of egg hatch. Aerial applications should be made with a minimum of 2 gals. of spray per acre, in swaths not more than 90 ft. wide. Repeat application as needed.

<b>ACTIVE INGREDIENTS:</b>	
O,O-diethyl O-(2-isopropyl-6-methyl-4-pyrimidinyl) phosphorothioate*	47.5%
Aromatic petroleum derivative solvent	26.2%
<b>INERT INGREDIENTS:</b>	26.3%
<b>TOTAL</b>	<b>100.0%</b>

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DIAZINON AG 500 contains 4 lbs. DIAZINON per gallon

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**GENERAL INFORMATION**

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

**Net Contents:**  
**One Gallon**

EPA Reg. No. 226-240

EPA Est. 226-K1



**FRUIT AND NUT CROPS**

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**Cherries—Eye-spotted Bud Moths, Fruit-Tree Leaf Roller:** 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 3-5 applications beginning at petal fall and continuing through the growing season, or apply as infestations develop.

**Cherry Fruit Flies:** Mix 1/2-1 pt. per 100 gals. of water. Make 3 or 4 applications, beginning when adult cherry fruit flies begin to emerge and repeat at 10-day intervals.

**Black Cherry Aphids:** Mix 1 pt. per 100 gals. of water. Apply as a cover spray when aphids appear and repeat after 10 days.

**San Jose Scale Crawlers:** Mix 1 pt. per 100 gals. of water. Apply during the pre-pink stage or when crawlers first appear. Do not apply within 10 days of harvest.

**Cherry Rust Mites:** Mix 1/2-1 pt. per 100 gals. of water. Apply as a supplemental spray after harvest.

**Grapes—Pacific Spider Mites, Leafhoppers, Grape Berry Moths, Grape Leaf Folders:** Apply 1-2 pts. per acre in a minimum of 100 gals. of water as a thorough cover spray. Do not apply within 18 days of harvest.

**Drosophila 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.

**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 1/2 pt. of Diazinon AG500 plus 1 1/2 gals. light medium horticultural oil per 100 gals. of water. Apply when scale crawlers are present.

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**Peach Twig Borers:** Mix 1 pt. per 100 gals. of water and apply to peaches in May and June.

**Leafhoppers (Peaches only):** Apply 1 pt. per 100 gals. of water in 3-5 applications beginning at petal fall and continuing through the growing season, or apply as infestations develop.

**White Peach Scale (Peaches only):** As a post-harvest spray, apply 1 1/2-2 pts. per 100 gals. of water timed to coincide with peak crawler and immature scale activity. Under conditions of heavy infestations, 2 applications may be necessary.

Do not apply to peaches within 20 days, or to nectarines within 10 days of harvest.

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

**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 1/2-1 pt. per 100 gals. of water. Do not apply within 10 days of harvest.

**Strawberries—Aphids, Two-spotted Spider Mites:** Apply 1 pt. per 100 gals. of water per acre.

**Cyclamen Mites:** Apply 1 qt. per 100 gals. of water per acre, directing spray to plant crowns. Plants should be sufficiently agitated to assure thorough coverage of the foliage. Make additional applications, if necessary, after harvest.

**Mole Crickets. Broadcast:** 1 qt. per acre when insects are present. Apply 1 to 2 days before transplanting and mix into the top 1-2 inches of soil immediately.

**Strawberry Leaf Rollers:** Mix 3/4-1 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.

