

RESTRICTED USE PESTICIDE
FOR RETAIL SALE TO AND USE ONLY BY CERTIFIED APPLICATORS OR PERSONS UNDER THEIR DIRECT SUPERVISION AND ONLY FOR THOSE USES COVERED BY THE CERTIFIED APPLICATOR'S CERTIFICATION.

GOWAN AZINPHOS-M2 EC

EMULSIFIABLE INSECTICIDE

ACTIVE INGREDIENT:	BY WT.
O,O-Dimethyl S-((4-oxo-1,2,3-Benzotriazin-3(4H)-yl)methyl) phosphorodithioate	22.2%
INERT INGREDIENTS*	77.8%
TOTAL	100.0%

*Contains petroleum distillates.

CONTAINS 2 LBS. ACTIVE INGREDIENT PER GALLON

KEEP OUT OF REACH OF CHILDREN



DANGER-POISON
PELIGRO



PRECAUCION AL USUARIO: Si usted no lee ingles, no use este producto hasta que la etiqueta haya sido explicada ampliamente.

NOT FOR USE OR STORAGE IN OR AROUND THE HOME ENVIRONMENT

See SIDE PANELS for STATEMENT OF PRACTICAL TREATMENT Section and Additional PRECAUTIONARY STATEMENTS.

Net Contents

Gal.

Gowan Company

EPA Reg. No. 10163-80
EPA Est. No. 10163-AZ-1

PO BOX 1000
Yuma, AZ 85406

ACCEPTED
JUN 22 1989

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED—Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger, or, if available, by administering syrup of ipecac. Do not induce vomiting or give anything by mouth to an unconscious person.

IF INHALED—Remove victim to fresh air. Apply artificial respiration if indicated.

IF IN EYES—Flush eyes with plenty of clear water for at least 15 minutes, and get medical attention if irritation persists.

IF ON SKIN—Remove contaminated clothing and wash skin immediately with soap and warm water.

NOTE TO PHYSICIAN

ANTIDOTE—Administer atropine sulfate in large therapeutic doses. Repeat as necessary to the point of tolerance. 2-PAM is also antidotal, and may be administered in conjunction with atropine. Compound inhibits cholinesterase, resulting in stimulation of central nervous system, the parasympathetic nervous system and the somatic motor nerves. Do not give morphine. Watch for pulmonary edema, which may develop in serious cases of poisoning even after 12 hours. At first sign of pulmonary edema, the patient should be placed in an oxygen tent and treated symptomatically. This product contains petroleum distillates. Aspiration can cause chemical pneumonitis.

POISON SIGNS (Symptoms)—A sense of "tightness" in the chest. Sweating. Contracted pupils. Stomach pains. Vomiting and diarrhea.

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
DANGER**

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Fatal if swallowed, inhaled or absorbed through the skin. Do not breath vapor, dust or spray mist. Do not get in eyes, on skin, or on clothing."

Wash hands, arms and face thoroughly with soap and warm water before eating or smoking. Wash all contaminated clothing with soap and hot water before reuse. Keep out of reach of children and domestic animals. Do not contaminate food or feed.

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

WORK SAFETY RULES—

If handled indoors provide mechanical exhaust ventilation.

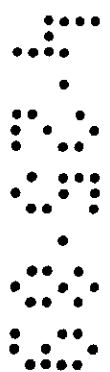
Keep all unprotected persons, children, livestock, and pets away from treated areas or where there is danger of drift.

Do not rub eyes or mouth with hands. If you feel sick in any way, STOP work and get help right away. See First Aid section of the label.

For questions regarding further treatment, or information about the product, call the National Pesticide Telecommunications Network at 800-858-7378.

***HANDLE THE CONCENTRATE ONLY WHEN WEARING THE FOLLOWING PROTECTIVE CLOTHING AND EQUIPMENT:**

Wear a protective suit of one or two pieces that covers all parts of the body except the head, hands, and feet. Wear chemical resistant gloves, chemical resistant apron, and chemical resistant shoes, shoe coverings, or boots. Wear goggles or a face shield and a pesticide respirator approved by the National Institute for Occupational Safety and Health in con part II.



for the protective suit, and the respirator requirement is waived. (For liquid formulations only).

WEAR THE FOLLOWING PROTECTIVE CLOTHING DURING APPLICATION, EQUIPMENT REPAIR, EQUIPMENT CLEANING, DURING REENTRY TO TREATED AREAS, AND DISPOSAL OF THE PESTICIDE:

Wear a protective suit of one or two pieces that covers all parts of the body except the head, hands, and feet. Wear chemical resistant gloves and chemical resistant shoes, shoe coverings, or boots. Wear a chemical resistant hat during airblast application.

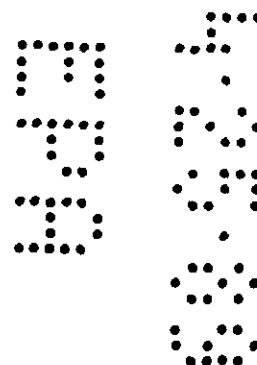
During application from an enclosed tractor cab or airplane cockpit, or other suitable vehicle in which the windows are rolled up, long sleeved shirt and long pants may be worn in place of the above protective clothing. Chemical resistant gloves must be available in the cab or cockpit and must be worn while exiting. This clothing is inadequate to protect you during equipment repair, equipment cleaning, re-entry, or during pesticide disposal.

IMPORTANT! BEFORE REMOVING GLOVES, WASH THEM WITH SOAP AND WATER. ALWAYS WASH HANDS, FACE, AND ARMS WITH SOAP AND WATER BEFORE SMOKING, DRINKING, EATING OR TOILETING.

After work, take off all clothing and shoes. Shower using soap and water. Do not wear contaminated clothing. Wash protective clothing and protective equipment with soap and water after each use. Respirators must be cleaned and filters replaced according to instructions included with the respirators. Personal clothing worn during use must be laundered separately from household articles. Clothing and protective equipment heavily contaminated or drenched with azinphos-methyl must be destroyed according to state and local regulations. HEAVILY CONTAMINATED OR DRENCHED CLOTHING CANNOT BE ADEQUATELY DECONTAMINATED.

During aerial application, human flaggers are prohibited unless in totally enclosed vehicle*.

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PERSONAL PROTECTIVE EQUIPMENT

This pesticide is extremely toxic to fish and wildlife. Do not discharge effluent containing this product directly into lakes, streams, ponds, estuaries, oceans or public waters unless this product is specifically identified and addressed in an NPDES permit. Do not discharge effluent containing this product to sewer systems without previously notifying the sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the Environmental Protection Agency."

as described in the product labeling

PHYSICAL AND CHEMICAL HAZARDS

Do not use or store near heat or open flame. Do not store in front of space heater or in draft from an open door. Store between 55° F. and 120° F. Do not store adjacent to toys, cosmetics, dishes, furniture or clothing. Do not store next to herbicides. Difficult to reconstitute formulation after exposure to cold. In case of freeze-out, do not sell until reconstituted.

DIRECTIONS FOR USE

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

RE-ENTRY STATEMENTS

Do not enter treated areas for 24 hours unless appropriate protective clothing is worn.

Because certain states may require more restrictive re-entry intervals for various crops treated with this product, consult your State Department of Agriculture for further information.

Written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product. When oral warnings are given, warnings shall be given in a language customarily understood by workers. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers. Written and oral warnings must include the following information: DANGER—Area treated with Azinphos-Methyl on (date of application). Do not enter without appropriate protective clothing for 24 hours. In case of accidental exposure, follow instructions under Statement of Practical Treatment section.

STORAGE AND DISPOSAL

DO NOT CONTAMINATE water, food or feed by storage or disposal.

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

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

CHEMIGATION STATEMENT

Do not apply this product through any type of irrigation system.

ADDITIONAL LABEL STATEMENT

"Do not plant root crops other than those with registered azinphos-methyl uses in azinphos-methyl treated soil sooner than 6 months after the last application. Do not plant any other crop other than those with registered azinphos-methyl uses in treated soil sooner than 30 days after last applications".

CROP USE DIRECTIONS

Use only according to instructions on attached booklet/folder.

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GOWAN AZINPHOS-M 2EC

Directions For Use

GOWAN COMPANY

P. O. Box 5696, 5500⁹
Yuma, AZ-85364 S S 3 4 6
(602) 783-8944

EPA Reg. No. 10163-80

DIRECTIONS FOR USE
It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

WARNING: Gowan Azinphos-M 2 EC emulsifiable insecticide forms an emulsion when diluted with water, and is suitable for use in all power-operated ground and aerial sprayers. To use with water, pour the required amount of Gowan Azinphos-M 2 EC into the amount of water, and then agitate. Gowan Azinphos-M 2 EC may also be applied undiluted as an ultra-low-volume spray with other ground or aerial equipment that has been adapted and calibrated for ultra-low-volume spraying as described below under "Recommendations" for these crops specified.

DOSSAGE: Use specified dosage of Gowan Azinphos-M 2 EC in the amount of water necessary to give complete coverage of foliage. The type of equipment used will determine the concentration required.

SPRATTING: Work to windward. Finish sprayer operations from drift or mist. When low volumes of spray are applied, complete coverage and thorough application are essential for usual effective results. Schedule applications in accordance with local conditions. Consult your State Agricultural Extension Service or Experiment Station for specific use information in your area.

RECOMMENDATIONS

FIELD CROPS

✓ **COTTON** (Conventional or Low-Volume Spray): Acala; Bull Weevil; Brown Cotton Leafworm; Cotton Leafroller; Cotton Leafworm; Lygus

Bugs; Mites; Thrips—1 pint. Rapid Frost Bug; Tortoise Plum Bug—1 to 2 pints. Stink Bug—2 pints. Bollworm; Pink Bollworm—2 to 4 pints. Apply specified dosage per acre, by air or ground equipment, in at least 1 gallon of water. For early season control of Bollworm and Pink Bollworm, use 2 to 3 pints, and for mid- to late-season applications, use 3 to 4 pints. Repeat as necessary. Do not apply within 1 day of picking. Cotton receiving late-season applications should not be picked, and gin trash from this cotton should not be fed.

✓ **(1) COTTON (Ultra-Low Volume Spray):** Bollworm— $\frac{1}{2}$ to 1 pint. Gowan Azinphos-M 2 EC may be used undiluted in any ground or aerial spray equipment that has been adapted and calibrated for ultra-low-volume spraying. Spray machines must be equipped with occupied low-volume devices that will produce droplets within the range of 30 to 100 microns in size. UAV aerial applications should be made at altitudes of 10 to 20 feet. Repeat applications as necessary, but not within 2 days of hand-picking. Cotton may be machine-harvested any time after application. Do not graze livestock in treated areas. Do not feed gin trash to livestock. For Early- and Mid-Season Control, apply the specified dosage per acre in accordance with local recommendations.

1. Dispense Mutual Combat Bull Weevil—1 pint. (The 1-pint per acre rate only is recommended for control of depositing Bull Weevil. Schedule applications in accordance with local recommendations.)

✓ **BALETT; OATS; RYE; WHEAT:** Carrot Leaf Beetle— $\frac{1}{2}$ to 2 pints per acre. Apply by air or ground equipment in sufficient water for complete coverage, but not less than 1 gallon per acre. Do not apply more than once per season. Do not harvest for food, feed, forage, or grass within 30 days of treatment.

✓ **PASTURE GRASSES** (Pasture Loss of Heterozygote Sheep; Greenbackers; Meadow Spittlebugs (Acala)—Apply 2 to 3 pints per acre by air or ground equipment in sufficient water for complete coverage but not less than 1 gallon per acre. Do not apply more than once per cutting. Do not graze or harvest within 14 days of application at the 2 pint rate or 21 days of rate above 2 pints.

✓ **SORGHUMS:** Acala; Bean Leaf Beetle; Green Cloverworm; Leafhopper; Leaf Miner; Leaf Roller; Stink Bug; Yellow Green Caterpillar— $\frac{1}{2}$ to 2 pints. Mexican Bean Beetle—2 to 3 pints. Apply specified dosage per acre, by air or ground equipment, in sufficient water to give complete coverage, but not less than 1 gallon per acre. Repeat as necessary. One or two applications of rate up to 2 pints per acre may be made up to 14 days of harvest. For additional applications or for use of rate above 2 pints per acre, do not apply within 45 days of harvest. Do not graze or feed treated vines to livestock.

✓ **SUGARCANE** (Conventional spray—Acala, Louisiana and Texas Only): Sugarcane Borer—Apply 3 pints per acre by air, using a minimum of 2 gallons of water per acre. For best results, applications should be made at approximately cane-top level, and not more than 10 feet above cane-top level. Do not apply more than 5 times per season, or within 30 days of harvest. Sugarcane from sugarcane treated with Gowan Azinphos-M 2 EC may be used for leaf of cattle, goats and sheep. Consult your State Agricultural Extension Service (SAAE) or Experiment Station for specific use information.

✓ **(2) SUGARCANE (Ultra-Low Volume Spray—Florida, Louisiana and Texas Only):** Sugarcane Borer—Apply 3 pints per acre undiluted. Gowan Azinphos-M 2 EC may be used undiluted in any aerial spray equipment that has been adapted and calibrated for ultra-low-volume spraying. Flows must be regulated to give approximately 100 drops per acre, but will produce droplets within the range of 30 to 100 microns in size.

For best results, applications should be made at approximately cone-top level, and not more than 10 feet above cone-top level. Do not apply more than 5 times per season, or within 30 days of harvest. Baggage from sugarcane treated with Gown Anaphos-M 2 EC may be used for feed or cattle, sheep, and goats. Consult your State Agricultural Extension Service or Experiment Station for specific use information.

TOMACCO: Aphids; Grasshoppers; Tobacco Flaw Beetle; Tobacco Hornworm—2 to 3 pints. Tobacco Budworm—3 pints. Apply specified dosage per acre, by air or ground equipment, in sufficient water for complete coverage, but not less than 1 gallon per acre. Treat for hornworms as soon as egg masses or worms are first found. Repeat as necessary, but not within 6 days of harvest. Prime before treating.

FRUIT

APPLES; CABBAGES; QUINCES (Washington, Oregon, Idaho, and Utah): Apple Maggot, Codling Moth, European Apple Sawfly, Fire-Spotted Leaf Moth, Fruit Tree Leaf Miner, Green Fruitworm, Orange Tortrix, Plum Curculio, Red-Banded Leaf Roller—2 to 4 pints. Apply specified dosage per acre undiluted by helicopter or hand-spray control, using equipment capable of spraying at a low volume; sprays (1) Use Baccomat nozzles with 20-inch nozzles. Do not apply more than 5 times per season, or within 7 days of harvest.

APRICOTS; NECTARINES; PEACHES: Aphids; Canary Peach Scale; European Fruit Lecanium Scale; Furus Scale; Lesser Peach Tree Borer; Mites; Peach Tree Borer; Polyphaga Boreana Leaf Roller; Plum Curculio; Red-Banded Leaf Roller; San Jose Scale; Sooty Bag; Tortricid Fruit Bag; Tortrix Scale; Walnut Scale; White Peach Scale—1 to 1 1/2 pints. Oriental Fruit Moth; Peach Ting Borer—1 to 1 1/2 pints. **NECTARINES:** Thrips—1 to 1 1/2 pints. Apply specified dosage in 100 gallons of water as a full coverage spray, using not more than 800 gallons of water as a full coverage spray, repeated as necessary. Do not apply more than 8 times per season, or within 21 days of harvest for Apricots, Nectarines and Peaches. Apply the 1 1/2 pint rate for Oriental Fruit Moth and Peach Ting Borer on Apricots, Nectarines, and Peaches only before mid-season. For control of Peach Tree Borer, apply 2 to 3 sprays to trunk from ground to scaffold limbs, lined with mesh flaps. For Scale control, apply when crawlers are present. Note: It is suggested that when treating Nectarines during bloom period, beekeepers should be warned well in advance to remove hives a safe distance from orchards to be treated.

PLUMS; PRAIRIES: Aphids; Fire-Spotted Leaf Moth, Furus Scale; Fruit Tree Leaf Roller; Lesser Peach Tree Borer; Mites; Orange Tortrix; Peach Tree Borer; Peach Ting Borer; Plum Curculio; Red-Banded Leaf Roller; San Jose Scale; Sooty Bag; Tortricid Fruit Bag; Tortrix Moth—1 to 2 pints. American Plum Borer—2 pints. Apply specified dosage in 100 gallons of water as a full coverage spray, using not more than 800 gallons of finished spray per acre. Repeat as necessary. Do not apply more than 8 times per season or within 15 days of harvest. Plum and Prunes: For control of Peach Tree Borer, apply 2 to 3 sprays to trunk from ground to scaffold limbs, lined with mesh flaps. For Scale control, apply when crawlers are present.

BLACKBERRIES; BOTTLEBERRIES; LOGANBERRIES; RASPBERRIES: Leafhoppers; Leaf Rollers—1 pint Leaf Miners—1/2 pint. Aphids—1 1/2 to 2 pints. Oblique Banded Wasp—2 pints. Apply specified dosage per acre to foliage, using approximately 200 gallons of water for good coverage. Where ground conditions dictate on air application, use

specified rate in a minimum of 1 gallon of water per acre. Repeat as necessary, but not within 14 days of harvest.

BLACKBERRIES; BOTTLEBERRIES; LOGANBERRIES; RASPBERRIES: Raspberry Crown (Root) Borer—4 to 8 pints. Oblique Banded Wasp—2 pints. For control of root weevils and borers prior to harvest, apply specified dosage per acre to lower portion of canes, and to the soil beneath the plants, using approximately 200 gallons of water. Do not apply more than twice per season. Do not make applications within 3 days of harvest at rates up to 4 pints per acre. Rates above 4 pints per acre should be applied only before fruit set or after crop is harvested.

BLUEBERRIES (Eastern and North Central States Only): Blueberry Maggot; Fruitworms; Lecanium Scale; Plum Curculio—2 to 3 pints. Apply specified dosage per acre, using approximately 200 gallons of water for good coverage. Where ground conditions dictate on air application, use specified rate in a minimum of 1 gallon of water per acre. Repeat as necessary, but not more than 4 times per season, nor within 3 days of harvest. If multiple late-season applications of dust formulations containing Anaphos-M are to be made for Blueberry Maggot control, do not make more than two applications of Gown Anaphos-M 2 EC per season, with the last spray no later than June 15.

CHAMPAGNE: Cranberry Fruitworm; Sparganathis subserena: Tip-worm—2 to 4 pints. Fireworm—4 pints. Apply spray 5-6 dosage per acre, using approximately 200 gallons of water for good coverage. Where ground conditions dictate on air application, use specified rate in a minimum of 1 gallon of water per acre. Repeat as necessary. Do not apply within 21 days of harvest.

CITRUS FRUITS: Aphids; Black Scale; Brown Soft Scale; Quiff Scale; Citrus Scale; Citrus Mealybug; Citrus Red Mite; Citrus Thrips; Citrus-Cushion Scale; European Brown Scale; Florida Red Scale; Fruit Tree Leaf Roller; Fuller Rose Beetle; Green Scale; Orange Tortrix; Purple Scale; Saw Scale; Western Tansard Moth; Whiteflies—1 to 1 1/2 pints. California Fan Worm; Texas Citrus Mite; Yellow Scale—1 1/2 pints. Apply specified dosage in 100 gallons of water as a full coverage spray, using not more than 2000 gallons of finished spray per acre. A single application per year may be applied up to within 7 days of picking. Where 2 applications are required, the second spray should not be applied within 28 days of harvest. Do not apply more than twice per fruit year. Do not pick fruit or do other work involving contact with the trees, such as pruning, within 7 days of treatment.

GRAPES: Grape Berry Moth; Grape Cone Girdler; Grape Mealybug; Leafhoppers; Mites; Red-Banded Leaf Miner; Thrips—1 to 2 pints. Apply specified dosage in 100 gallons of water as a full coverage spray, using not more than 300 gallons of finished spray per acre. Repeat as necessary, but not more than 3 times per season. Minimum dosage specified may be applied up to harvest. Higher rates up to 1 1/2 pints require a 10-day interval to harvest, and above 1 1/2 pints, a 7-day interval to harvest.

STRAWBERRIES: Aphids; Mites; Leafhoppers; Oblique-Banded Leaf Roller; Oblique Banded Wasp; (noncommercial) Tip; Plum Leaf Miner; Sooty Bag (Ground) Wasp; Strawberry Leaf Miner; Strawberry Tip; Apply specified dosage in 200 gallons of water per acre as a full

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coverage spray. Where ground conditions dictate on air application, use specified rate in a minimum of 1 gallon of water per acre. Repeat as necessary. Do not apply within 5 days of harvest.

NUTS

ALMONDS: Peach Tung Borer— $1\frac{1}{2}$ to 2 pint. Apply specified dosage in 100 gallons of water as a full coverage spray, using not more than 500 gallons of finished spray per acre. Do not apply more than twice per season, nor within 60 days of harvest. Allow 30 days between applications.

FILBERTS: Pacific Navel-orbit Gully; Apple Mummying; Filbert Aphid; Filbert Leaf Roller; Filbertworm—1 to 3 pint. Apply specified dosage in 100 gallons of water as a full coverage spray, using not more than 1000 gallons of finished spray per acre. Repeat as necessary. Do not apply within 30 days of harvest. Do not graze livestock in treated groves for 21 days after treatment.

PECANS: Aphid; Fall Webworm; Hickory Budworm; Leaf Miners; May Beetles; Meas; Pecan Casebearer; Southern Green Stink Bug; Spittlebug; Tung Girdler; Walnut Caterpillar— $1\frac{1}{2}$ to 2 $\frac{1}{2}$ pint. Apply specified dosage in 100 gallons of water or a full coverage spray, using not more than 1800 gallons of finished spray per acre. Repeat as necessary. Do not apply after buds split. Where more than 22 $\frac{1}{2}$ pints of Gossum Azinphos-44 2 EC are applied per acre in a single application, do not graze livestock in treated groves. Where 22 $\frac{1}{2}$ pints or less of Gossum Azinphos-44 2 EC are applied per acre, livestock may be grazed in treated groves after a 21-day post-treatment interval.

WALNUTS: Aphid; Girdling Moth; European Red Moth; Filbertworm— $1\frac{1}{2}$ to 3 $\frac{1}{2}$ pint. Apply specified dosage in 100 gallons of water or a full coverage spray, using not more than 1800 gallons of finished spray per acre. Repeat as necessary. Do not apply after buds split. Do not graze livestock in treated groves for 21 days after treatment.

VEGETABLES

ANTHOIRES: Fleam Moth—Apply 6 pint per acre by air or ground equipment in sufficient water for complete coverage, but not less than 1 gallon per acre. Repeat as necessary. Do not apply within 30 days of harvest. Do not feed or grade treated forage.

BEANS (King and Dry): Leaf Rollers; Meas—1 to 2 pint. Aphid; Bean Leaf Beetle; Green Cloverworm; Leafhoppers; Leaf Miners; Stink Bug; Yellow Horn Caterpillar— $1\frac{1}{2}$ to 2 pint. Mexican Bean Beetle; Spotted Cucumber Beetle; Striped Cucumber Beetle; Tenebrionid Flunt Bug; Weevil; Striped Cucumber Beetle—2 pint. Apply specified dosage per acre by air or ground equipment in sufficient water for complete coverage, but not less than 1 gallon per acre. Repeat as necessary. Do not apply to Snap Beans within 7 days of harvest, not to Dry Beans within 30 days of harvest. Do not exceed 4 applications on Dry Beans. Do not feed or grade treated forage.

BROCCOLI; BRUSSELS SPROUTS; CABBAGE; CAULIFLOWER: Aphid; Cabbage Looper; Diamondback Moth; Imported Cabbageworm—Apply 2 to 3 pint per acre by air or ground equipment in sufficient water for complete coverage, but not less than 1 gallon per acre. Repeat as necessary. Do not apply within 7 days of harvest for Brussels Sprouts, 15 days of harvest for Broccoli and Cauliflower, nor within 21 days of harvest for Cabbage, Cabbage Midge—Mix $\frac{1}{2}$ pint to 50 gallons of water. Apply 4 to 6 ounces of this solution per plant immediately after transplanting.

BROCCOLI; BRUSSELS SPROUTS; CABBAGE; CAULIFLOWER (Transplant Fields to California Only): Cabbage Midge—Apply 3 pint to 200 to 400 gallons of water per acre as a soil drench in the rows when

damage first appears. Additional applications may be necessary. Do not apply within 21 days of harvest.

BROCCOLI; BRUSSELS SPROUTS; CABBAGE; CAULIFLOWER (Transplant Fields to California Only): Cabbage Midge—Apply 3 pint per acre in sufficient water for uniform distribution. Mix in the upper 2 inches of soil prior to sowing, or spray in the seed row at planting time. Usually, 2 to 3 additional sprays are necessary during the growing season, depending upon time of year and maggot population. Do not apply within 21 days of harvest.

CELERY: Aphid; Leaf Miners; Leafhoppers; Spittlebug; Tenebrionid Flunt Bug—Apply 2 pint in 100 gallons of water as a full coverage spray, using not more than 200 gallons of finished spray per acre. Repeat as necessary, but not within 14 days of harvest.

CRACKED PEAS (Seedling Stage, Cucumber Beetle): Corn Earworm; Common Cuckoo—3 to 4 pint. Leaf Miners; Stink Bug— $1\frac{1}{2}$ to 2 pint. Apply specified dosage per acre by air or ground equipment in sufficient water for complete coverage, but not less than 1 gallon per acre. Do not apply more than 4 times per season, nor within 7 days of harvest. Do not use weas for feed or forage, nor pasture treated areas.

CUCUMBERS: Spotted Cucumber Beetle; Striped Cucumber Beetle; Western-Striped Cucumber Beetle—Apply 2 pint per acre by air or ground equipment in sufficient water for complete coverage, but not less than 1 gallon per acre. Do not apply more than 3 times per season, nor within 1 day of harvest.

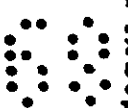
EGGPLANT: Leaf Miners— $1\frac{1}{2}$ to 2 pint. European Corn Borer; Flea Beetle—2 pint. Apply specified dosage per acre by air or ground equipment in sufficient water to give complete coverage, but not less than 1 gallon per acre. A minimum of 4 treatments may be made up to within 3 days of harvest. Where more than 4 applications are required, do not apply last spray within 14 days of harvest.

PEPPERS: Leaf Miners— $1\frac{1}{2}$ to 2 pint. European Corn Borer; Flea Beetle—2 pint. Apply specified dosage per acre by air or ground equipment in sufficient water to give complete coverage, but not less than 1 gallon per acre. Do not apply more than 3 times per season, nor within 28 days of harvest of Dry Onions, or 7 days of harvest of Green Onions.

POTATOES: Colorado Potato Beetle— $1\frac{1}{2}$ pint. Banded Cucumber Beetle; Leaf Miners— $1\frac{1}{2}$ to 3 pint. European Corn Borer; Flea Beetle; Leafhoppers; Spittlebug; Tenebrionid Flunt Bug—2 to 3 pint. Tobacco— $2\frac{1}{4}$ to 3 pint. Apply specified dosage per acre by air or ground equipment in sufficient water to give complete coverage, but not less than 1 gallon per acre. Repeat as necessary. Do not apply within 4 days of harvest.

SQUASH: Aphid; Leaf Miners; Meas—Apply $1\frac{1}{2}$ to 3 pint per acre by air or ground equipment in sufficient water to give complete coverage, but not less than 1 gallon per acre. Repeat as necessary. Do not apply within 14 days of harvest.

TOMATOES: Colorado Potato Beetle— $1\frac{1}{2}$ pint. Banded Cucumber Beetle; Diamondback Moth; Flea Beetle; Leaf Miners; Weevil— $1\frac{1}{2}$ to 2 pint. Aphid; European Corn Borer; Flea Beetle; Goldfinch; Leafhoppers; Thrips—2 to 3 pint. Filbertworm— $2\frac{1}{2}$ to 3 pint. Corn



European; Fishbone; Hornhorn; Fawn; Yellow-Striped American;—3 to 6 pints. Apply specified dosage per acre by air or ground equipment in sufficient water for complete coverage, but not less than 1 gallon per acre. Repeat as necessary. The high rates should be used where heavy infestations of low-indear lepidopteran larvae (large worms) and psyllids are present. Rates of 3 pints or less per acre may be applied up to day of harvest. Rates above 3 pints per acre require an interval of 14 days between application and harvest.

MELONS

HOARDFRUIT MELONS; MUSKMELONS (Cantaloup, WATERMELON; OTHER MELONS: Laddogum; Leaf Melon—1½ to 2 pints. Endivium; Spotted Cucumber Beetle; Striped Cucumber Beetle; Water-Striped Cucumber Beetle—2 pints. Apply specified dosage per acre by air or ground equipment in sufficient water to give complete coverage, but not less than 1 gallon per acre. Repeat as necessary up to the day of harvest, but not more than 4 times per season.

ORNAMENTALS

ORNAMENTALS; NURSERY PLANTS; SHADE-TREE: Apple; Black Vine Weevil; Curculionid Scale; European Scale; Japanese Scale; Lace Bug; Lacebug; Mealy; Olive Scale; Oystershell Scale; Pear-saw Scale; Thrips—1½ to 2 pints. Brown Soft Scale; Potted Scale—4 pints. Black Free Leaf Scale; European Elm Scale—3 to 4 pints. Apply specified dosage per 100 gallons of water (2 teaspoons per gallon). Spray all foliage surfaces, including the underside of leaves, for complete coverage. For control of Black Free Leaf, Brown Soft, European Elm, and Potted Scale, use 1 tablespoonful per gallon. Repeat as necessary.

ORNAMENTALS; NURSERY PLANTS; SHADE-TREE: Case Acale, Case Acale—Apply 8 to 16 pints per 100 gallons of water. Treat applications to coincide with each flight when cases are open for infestation. Thorough coverage of cases is necessary for maximum control. Repeat as necessary. European Free Shrub Acale; Nectaral Free Top Acale—Apply 1½ to 3 pints per acre in sufficient water for good coverage. Treat applications to coincide with each flight. For applications to individual trees, use 1 tablespoonful of Gowan Acetophen-MZC per gallon of water.

NOTE: Injury to European or American scales may occur under some conditions. Do not allow children or pets on treated areas until material has been washed into soil, and treated area is dry.

This concentration is calculated for conventional hydraulic-type sprayers. When lower volumes of spray are applied per acre with conventional sprayers, increase the concentration of Gowan Acetophen-MZC in the spray mixture in order to apply amount of Gowan Acetophen-MZC per acre equivalent to a full coverage spray. When conditions dictate an air application, apply dosage per acre equivalent to a full coverage ground spray, or not less than 1 gallon of water per acre.

(1) **NOTE:** This formulation, when used in sufficient spray volume, may cause spotting of susceptible foliage if prolonged exposure is provided. Do not spray directly over susceptible. If accidental exposure does occur, susceptible should be washed immediately.

NOTICE ON CONDITIONS OF SALE

Our recommendations for use of this product are based upon tests believed to be reliable. The use of this product being beyond the control of the manufacturer, no guarantee, approval or liability is made on the effect of such use or the result to be obtained if not used in accordance with directions or satisfactory spray practices. The buyer must assume all responsibility, including injury or damage, resulting from its use on such, or to other crops or other nearby crops.

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