

7/20/95

PM 19 51036-164 P. 125



United States  
**Environmental Protection Agency**  
 Washington, DC 20460

Registration  
 Amendment  
 Other

OPP Identifier Number  
**235290**

**Application for Pesticide - Section I**

1. Company/Product Number Micro Flo Co./ 51036-164	2. EPA Product Manager Dennis Edwards	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Micro Flo Co./ Azinphosmethyl 50W Soluble	PM# 19	
5. Name and Address of Applicant (Include ZIP Code) Micro Flo Company P.O. Box 5948 Lakeland, FL 33807 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

**Section - II**

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

**Explanation:** Use additional page(s) if necessary. (For section I and Section II.)

Notification of addition of advisory statement in the "Statement of Practical Treatment" section: "Do not induce vomiting, or give anything by mouth to a person who is unconscious or convulsing." per PR Notice 95-2. Additional certification statements are attached to this form.

**Section - III**

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input checked="" type="checkbox"/> Yes* <input type="checkbox"/> No	Unit Packaging <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Metal	
* Certification must be submitted		If "Yes" Unit Packaging wgt.	No. per container	<input checked="" type="checkbox"/> Plastic	
		If "Yes" Package wgt	No. per container	<input checked="" type="checkbox"/> Glass	
				<input checked="" type="checkbox"/> Paper	
				<input checked="" type="checkbox"/> Other (Specify) PVA	
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container 4 x 1#		5. Location of Label Directions <input checked="" type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product <input checked="" type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled				<input type="checkbox"/> Other _____	

**Section - IV**

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Lee Tharrington	Title Registrations Assistant	Telephone No. (Include Area Code) (941) 647-3608
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received  (Stamped)
2. Signature 	3. Title Registrations Assistant	
4. Typed Name Lee Tharrington	5. Date 7/18/95	

915

AZINPHOSMETHYL 50W SOLUBLE  
AGRICULTURAL INSECTICIDE  
Organophosphate

50% WETTABLE POWDER CROP INSECTICIDE. IN WATER SOLUBLE PACKETS

For control of certain insect pests on field crops, fruit, vegetable crops, nuts and certain ornamental plantings.

ACTIVE INGREDIENT:

O,O-Dimethyl S-[(4-oxo-1,2,3-benzotriazin-3 (4H)-yl) methyl] phosphorodithioate.....	50.00%
INERT INGREDIENTS:.....	50.00%
TOTAL.....	100.00%

KEEP OUT OF REACH OF CHILDREN

POISON

DANGER

PELIGRO

Si Usted no entiende la etiqueta, busque a alguien para que se la explique a Usted en detalle. (If you do not understand this label, find someone to explain it to you in detail.)

STATEMENT OF PRACTICAL TREATMENT

ORGANOPHOSPHATE

IN CASE OF POISONING, CALL A PHYSICIAN IMMEDIATELY. HAVE PATIENT LIE DOWN AND KEEP QUIET.

IF SWALLOWED: Administer milk or water freely and induce vomiting by giving one dose (1/2 oz. or 15 ml.) of syrup of ipecac. If vomiting does not occur within 10 to 15 minutes, administer second dose. If syrup of ipecac is not available induce vomiting by sticking finger down throat. Repeat until vomit fluid is clear. Professional medical assistance should be secured immediately. Do not induce vomiting, or give anything by mouth to a person who is unconscious or convulsing.

IF INHALED: Remove from contaminated area and have patient lie down and keep quiet.

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

IF IN EYES: Wash with plenty of water. If irritation persists get medical attention.

This product is an organophosphorus ester that inhibits cholinesterase.

See elsewhere on label for additional precautionary statements.

EPA Reg. No. 51036-164

EPA Est. No. 51036-GR-1

3/15

Manufactured By  
MICRO FLO COMPANY  
P.O. BOX 5948  
LAKELAND, FL. 33807

PRECAUTIONARY STATEMENT  
Hazards To Humans And Domestic Animals

DANGER

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. Do not contaminate feed or foodstuffs. Keep out of reach of children and domestic animals.

**SYMPTOMS OF POISONING:** A sense of "tightness" in the chest, sweating, contracted pupils, stomach pains, vomiting and diarrhea.  
**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 the 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 case of poisoning even after 12 hours. At first sign of pulmonary edema, the patient should be placed in oxygen tent and treated symptomatically.

PERSONAL PROTECTIVE EQUIPMENT

Applicators and other handlers must wear:

1. Coveralls over short-sleeved shirt and short pants
2. Waterproof gloves
3. Chemical-resistant footwear plus socks
4. Chemical-resistant headgear for overhead exposure
5. Dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C)

Mixers and loaders must wear:

1. Coveralls over short-sleeved shirt and short pants
2. Waterproof gloves
3. Chemical-resistant footwear plus socks
4. Protective eyewear
5. Chemical-resistant headgear
6. Chemical resistant apron when mixing or loading
7. For exposure in enclosed areas, use a respirator with either an organic vapor removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G)

For outdoor exposure, use a dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C)

4/15

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

**Engineering Controls:**

Human flaggers must be in enclosed cabs. When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d)(4-6)]. The handler PPE requirements may be reduced or modified as specified in the WPS.

**USER SAFETY RECOMMENDATIONS**

**Users should:**

1. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
2. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
3. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

**ROTATIONAL CROP STATEMENT**

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

**ENVIRONMENTAL HAZARDS**

This pesticide is extremely toxic to fish and wildlife. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water by cleaning of equipment or disposal of wastes. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. 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.

**DIRECTIONS FOR USE**

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

### AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment and restricted-entry intervals. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI).

Each 48 hour REI is extended to 72 hours in outdoor areas where average rainfall is less than 25 inches a year.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated such as plants, soil, or water, is:

1. Coveralls over short-sleeved shirt and short pants
2. Waterproof gloves
3. Chemical-resistant footwear plus socks
4. Chemical-resistant headgear for overhead exposure

### CHEMIGATION PROHIBITION

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

### 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:** Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

### GENERAL INFORMATION

KEEP WATER SOLUBLE PACKETS IN THIS CONTAINER AND STORE IN A COOL DRY PLACE, BUT NOT BELOW FREEZING (32 F). PROTECT FROM HEAT, KEEP AWAY FROM OPEN FLAME. DO NOT HEAT. ENTIRE OPEN PACKETS DISSOLVE IN WATER. AFTER OPENING OUTER BAG, DROP THE REQUIRED UNOPENED INNER PACKETS INTO SPRAY TANK AS DIRECTED. DO NOT EXCESSIVELY

HANDLE WATER SOLUBLE PACKET OR EXPOSE IT TO MOISTURE, SINCE THIS MAY CAUSE BREAKAGE.

DEALERS SHOULD SELL IN ORIGINAL PACKAGES ONLY.

**MIXING:**

The enclosed packets containing Azinphosmethyl 50W insecticide are water soluble. Do not allow packet to become wet prior to adding to the spray tank. Do not handle with wet hands. Reseal outer carton to protect remaining packets.

To prepare the spray mixture, drop the required number of unopened packets, as determined under recommended application, into the spray tank, while filling with water to the desired level. Operate the agitator while mixing. Depending on the water temperature and degree of agitation, the packets should be completely dissolved within approximately 5 minutes from the time they were added to the water.

**DOSAGE:**

Use specified dosage of Azinphosmethyl 50W in the amount of water necessary to give complete coverage of the foliage.

Determine the total amount of wettable powder to be added to the spray tank based on the rates under recommendations for application section. For each one pound of wettable powder to be added to the spray tank, use one 1 pound packet. The type of equipment used will determine the concentration required; however, use of these packets is not recommended for making highly concentrated mixtures such as used in aircraft spraying.

**COMPATIBILITY:**

Azinphosmethyl 50W in soluble packets is physically compatible with many registered pesticides and liquid fertilizers. If you have no experience with the combination you are considering, you should conduct tests to determine physical compatibility.

To determine physical compatibility, pour the recommended proportions of each chemical with the same proportion of water as will be present in the chemical supply tank into a suitable container, mix thoroughly and allow to stand for five minutes. If the combination remains mixed, or can be remixed readily, the mixture can be considered physically compatible.

Combinations should be kept agitated and should be applied immediately. Do not allow combination to sit for prolonged periods in the chemical supply tank.

**SPRAYING:** Work to windward, protect sprayer operators from drift or mist. When low volumes of spray are applied, complete coverage and thorough application are essential for most effective results. Schedule applications in accordance with local conditions. Consult

your State Agricultural Experiment Station or Extension Service for specific information in your area.

SEED CROPS: Applications at the rates shown may be made at any time to all crops listed on this label provided they are being grown for seed purposes only and are not to be used for food, feed or forage. For specific recommendations regarding timing of applications, consult your State Agricultural Experiment Station or Extension Service.

RECOMMENDATIONS FOR USE

Rates are expressed in pounds Azinphosmethyl 50W per acre.

FIELD CROPS

NOTE: Preharvest Interval days indicated in ( ) after each use

ALFALFA, CLOVER: (16)

- Leafhoppers, mites - 1/2 to 1 lb.
- Alfalfa weevil, Egyptian alfalfa weevil - 3/4 to 1 1/2 lbs.
- Alfalfa plant bug, Fleahopper, Grasshoppers, Lygus bugs, Spittle bug - 1 to 1 1/2 lbs.

Apply specified dosage per acre using a minimum of 10 gallons of water per acre. It may be necessary to use 20 to 25 gallons of water per acre on heavy growth for control of alfalfa weevil or Egyptian alfalfa weevil with ground equipment. Do not apply rates above 1 pound per acre within 21 days of harvest. Do not apply more than once per cutting at any rate.

The REI is 48 hours.

BARLEY, OATS, RYE, WHEAT: (30)

- Cereal leaf beetle - 3/4 to 1 lb.

Apply specified dosage per acre in sufficient water for complete coverage. Do not apply more than once per season.

The REI is 48 hours.

SOYBEANS: (45)

- Aphids, Bean leaf beetle, Green cloverworm, Leafhoppers, Leaf miners, Leaf Rollers, Stink bugs, Velvet bean caterpillar - 3/4 to 1 lb.

- Mexican bean beetle - 1 to 1 1/2 lbs.

Apply specified dosage per acre in sufficient water to give complete coverage. Repeat as necessary. Do not graze or feed treated vines to livestock.

The REI is 48 hours.

TOBACCO: (6)

- Aphids, Grasshoppers, Tobacco hornworm, Tobacco Flea beetle - 1 to 1 1/2 lbs.

- Tobacco budworm - 1 1/2 lbs.

Apply specified dosage per acre in sufficient water for complete coverage. Treat for hornworms as soon as egg masses or worms are first found. Repeat as necessary. Prime before treating.

7/15

The REI is 48 hours.

#### FRUIT

NOTE: Preharvest Interval days indicated in ( ) after each use.

#### APPLES, CRAB APPLES, PEARS, QUINCES: (7)

-Aphids, Apple maggot, Codling moth, European apple sawfly, Eye-spotted bud moth, Forbes scale, Fruit tree leaf roller, Green fruitworm, Leafhoppers, Mealybug, Mites, Orange tortrix, Pear psylla, Plum curculio, Putnam scale, Red-banded leaf roller, San Jose scale, Stink bug, Tarnished plant bug - 2 to 3 lbs.

Apply specified dosage per acre by air or ground equipment in sufficient water for good coverage. Repeat as necessary. Up to 12 lbs. of Azinphosmethyl 50W may be applied per growing season. Allow at least 7 days between applications. Azinphosmethyl 50W is compatible with dormant and summer oils which may be added to apple and pear sprays in accordance with local recommendations. Do not use oils within 30 days of sulfur or lime-sulfur treatments.

The REI is 48 hours.

#### CHERRIES: (15)

-Cherry leaf miner, Eye-spotted bud moth, Forbes scale, Fruit flies, Fruit tree leaf roller, Lesser peach tree borer, Mineola moth, Mites, Plum curculio, San Jose Scale - 1 1/2 lb.

Apply specified dosage per acre as a full coverage spray. Up to 6 lbs. of Azinphosmethyl 50W may be applied per crop season. Allow at least 14 days between applications.

The REI is 48 hours.

#### APRICOTS, NECTARINES, PEACHES: (21)

(Eastern U.S.)

-Aphids, Cottony peach scale, European fruit lecanium scale, Forbes scale, Lesser peach tree borer, Mites, Oriental Fruit Moth, Peach tree borer, Mites, Peach twig borer, Peach tree borer, Platynota flavendana leaf roller, Plum curculio, Red-banded leaf roller, San Jose scale, Stink bug, Tarnished plant bug, Terrapin scale, Thrips, Walnut scale, White peach scale - 1 3/4 to 2 1/4 lb.

Apply specified dosage per acre as a full coverage spray. Allow at least 14 days between applications. A total of 6 3/4 lbs. per acre per crop season may be applied to nectarines. A total of 9 lbs. per acre per crop season may be applied to peaches and apricots. For control of peach tree borer, apply 2 to 3 sprays to trunk from ground to scaffold limbs, timed with moth flight. For control of scale, apply when crawlers are present. Azinphosmethyl 50W is compatible with dormant and summer oils which may be added to peach sprays in accordance with local recommendations.

The REI is 48 hours.

#### APRICOTS, NECTARINES, PEACHES: (21)

(West of the Rocky Mountains)

-Lesser peach tree borer, Oriental Fruit Moth, Peach twig borer, Peach tree borer, Platynota flavendana leaf roller, Plum curculio,



9/15

Red-banded leaf roller, Stink bug, Tarnished plant bug, Thrips - 3 to 4 lb.

Apply specified dosage per acre as a full coverage spray. Allow at least 14 days between applications. A total of 6 3/4 lbs. per acre per crop season may be applied to nectarines. A total of 9 lbs. per acre per crop season may be applied to peaches and apricots. For control of peach tree borer, apply 2 to 3 sprays to trunk from ground to scaffold limbs, timed with moth flight. For control of scale, apply when crawlers are present. Azinphosmethyl 50W is compatible with dormant and summer oils which may be added to peach sprays in accordance with local recommendations.

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.  
The REI is 48 hours.

**PLUMS, PRUNES: (15)**  
(Eastern U.S.)

-Aphids, Eye-spotted bud moth, Forbes scale, Fruit tree leaf roller, Lesser peach tree borer, Mites, Orange tortrix, Peach tree borer, Peach twig borer, Plum curculio, Red-banded leaf roller, San Jose scale, Stink bug, Tarnished plant bug, Tussock moth - 1 3/4 to 2 1/2 lbs.

-American plum borer - 3 lbs.

Apply specified dosage per acre as a full coverage spray. A total of 6 3/4 lbs. per acre per crop season may be applied to plums and prunes. Allow at least 10 days between applications. For control of peach tree borer, apply 2 to 3 sprays to trunk from ground to scaffold limbs, timed with moth flight.

The REI is 48 hours.

**PLUMS, PRUNES: (15)**  
(West of Rocky Mountains)

-Codling Moth, Eye-spotted bud moth, Fruit tree leaf roller, Lesser peach tree borer, Orange tortrix, Peach tree borer, Peach twig borer, Plum curculio, Red-banded leaf roller, Stink bug, Tarnished plant bug, Tussock moth - 2 to 4 lbs.

-American plum borer - 3 to 4 lbs.

Apply specified dosage per acre as a full coverage spray. A total of 6 3/4 lbs. per acre per crop season may be applied to plums and prunes. Allow at least 10 days between applications. For control of peach tree borer, apply 2 to 3 sprays to trunk from ground to scaffold limbs, timed with moth flight.

The REI is 48 hours.

**BLACKBERRIES, BOYSENBERRIES, LOGANBERRIES, RASPBERRIES: (3)**

-Leaf hoppers, Leaf rollers - 1/2 lb.

-Leaf miners - 1 3/4 lb.

-Aphids - 1 3/4 to 2 1/2 lb.

-Obscure root weevil - 2 1/2 lb.

Apply specified dosage per acre to foliage using sufficient water

for good coverage. Limit applications to 3 per crop season. Allow 7 days between applications.  
The REI is 48 hours.

**BLUEBERRIES (EASTERN AND NORTH CENTRAL STATES ONLY): (7)**

-Blueberry maggot, Fruitworms, Lecanium scale, Plum curculio - 1 to 1/2 lbs.

Apply specified dosage per acre with aerial or ground equipment using sufficient water for good coverage. Limit applications to 3 per crop season regardless of rate used and allow at least 10 days between applications.

The REI is 48 hours.

**CRANBERRIES: (21)**

-Cranberry fruitworm, Sparganothis sulfureana, Tipworm - 1 to 2 lbs.

-Fireworms - 2 lbs.

Apply specified dosage per acre by air using sufficient water for good coverage. Limit applications to 3 per crop season regardless of rate used and allow at least 14 days between applications.

The REI is 48 hours.

**CITRUS FRUITS:**

-Aphids, Black scale, Brown soft scale, Citricola scale, Chaff scale, Citrus mealybug, Citrus rust mite, Citrus thrips, Cottony-cushion scale, European brown snail, Florida red scale, Fruit tree leaf rollers, Fuller rose beetle, Glover scale, Orange tortrix, Purple scale, Snow scale, Western tussock moth, Whiteflies - 2 1/2 to 4 lbs.

-California red scale, Texas citrus mite, Yellow scale - 4 lb.

Apply specified dosage per acre in sufficient water to provide full coverage. Limit applications to 2 per crop season regardless of rate used. If a second application is made, allow at least 28 days before harvest.

The REI is 7 days.

**GRAPES: (0)**

-Grape berry moth, Grape cane girdlers, Grape mealybug, Leaf hoppers, Mites, Red-banded leaf rollers, Thrips - 1/2 to 2 lbs.

Apply specified dosage per acre as a full coverage spray. Limit applications to 3 per crop season regardless of rate used. Allow 14 days between applications. If higher rate is used on last application, preharvest interval is 10 days.

The REI is 48 hours.

**STRAWBERRIES: (5)**

-Aphids, Meadow spittlebug, Oblique-banded leaf roller, Obscure root weevil, Omniverous leaf tier, Pea leaf weevil, Small Black (grass) weevil, Strawberry leaf rollers, Whitefly - 1 lb.

Apply specified dosage per acre using sufficient water for good coverage. Limit applications to 4 per crop season regardless of

11/15  
rate used. Allow 5 days between applications.  
The REI is 48 hours.

#### NUTS

##### ALMONDS: (28)

-Peach twig borer, Navel orangeworm - 3 to 4 lb.  
Apply specified dosage per acre by concentrate sprayer or as a full coverage spray using not more than 400 gallons of finished spray per acre. Use a minimum of 20 gallons of water per acre when applying aerially. Limit application to one dormant spray and/or two post bloom sprays per season. Allow 120 days between the dormant and the first post-bloom spray and at least 28 days between the post-bloom sprays. Do not graze livestock for 21 days after treatment.

The REI is 48 hours.

##### FILBERTS (Pacific Northwest Only): (30)

-Apple mealybug, Filbert aphid, Filbert leaf roller, Filbertworm - 3 to 4 lbs.

Apply specified dosage per acre as a full coverage spray. Limit applications to 3 per crop season regardless of rate used. Allow 14 days between applications. Do not graze livestock in treated groves for 21 days after treatment.

The REI is 48 hours.

##### PECANS:

-Aphids, Fall webworm, Hickory shuckworm, leaf miners, May beetles, Mites, Pecan casebearer, Southern green stink bug, Spittle bugs, Twig girdlers, Walnut caterpillars - 3 to 4 lbs.

Apply specified dosage per acre as a full coverage spray. Limit applications to 3 per season regardless of rate used. Allow 7 days between applications. Do not apply after husks split. Livestock may be grazed in treated groves after a 21-day post-treatment interval.

The REI is 48 hours.

##### WALNUTS:

-Aphids, Codling moth, European red mite, Filbertworm, Navel orangeworm, Walnut huskfly, Red-humped caterpillar - 3 to 4 lbs.

Apply specified dosage per acre as a full coverage spray. Limit applications to 3 per crop season regardless of rate used. Allow 14 days between applications. Do not apply after husk split. Livestock may be grazed in treated groves after a 21 day post-treatment interval.

The REI is 48 hours.

#### VEGETABLES

##### ARTICHOKES: (30)

-Plum moth - 3 lbs. Apply specified dosage per acre in sufficient water for complete coverage. Limit applications to 3 per crop

season regardless of rate. Allow at least 14 days between applications. Do not feed or ensile treated forage. The REI is 48 hours.

**BEANS, DRY (30):**

**BEANS, SNAP (7):**

- Leaf rollers - Mites, 1/2 to 1 lb.
- Aphids, Bean leaf beetle, Green cloverworm, Leaf hoppers, Leaf miners, stink bugs, Velvet bean caterpillars - 3/4 to 1 lb.
- Mexican bean beetle, Spotted cucumber beetle, Striped cucumber beetle, Tarnished plant bug, Western striped cucumber beetle - 1 lb.

Apply specified dosage per acre in sufficient water for complete coverage. Repeat as necessary. Do not exceed 4 application on dry beans. Do not feed or ensile treated forage. The REI is 48 hours.

**BROCCOLI (15), BRUSSELS SPROUTS (7), CABBAGE (21), CAULIFLOWER (15):**

- Aphids, Cabbage looper, Diamondback moth, Imported cabbageworm - 1 to 1 1/2 lbs. Apply specified dosage per acre in sufficient water for complete coverage. Repeat as necessary.
- Cabbage maggot - 1/4 to 3/8 lbs. Mix specified dosage in 50 gallons of water. Apply 4 to 6 ounces of this emulsion per plant at or immediately after transplanting.
- Cabbage maggot (Direct seeded fields in California only) - 1 1/2 lbs. Apply specified dosage per acre in sufficient water for uniform distribution. Mix in upper 2 inches of soil prior to seedling or spray in the seed row at planting time. Usually 2 to 3 additional sprays are necessary during the growing season, depending on time of year and maggot population.
- Cabbage maggot (Transplant fields in California only) - 1 1/2 lbs. Apply specified dosage in 300 to 400 gallons of water per acre as a soil drench in rows when damage first appears. Additional applications may be necessary.

The REI is 48 hours.

**CELERY: (14)**

- Aphids, Leaf miners, Leafhoppers, Spittlebug, Tarnished plant bug - 1 lb.

Apply specified dosage in 100 gallons of water as a full coverage sprays\*, using not more than 200 gallons of finished spray per acre. Repeat as necessary.

The REI is 48 hours.

**BLACKEYED PEAS (SOUTHERN PEAS, CROWDER PEAS): (7)**

- Corn earworm, Cowpea curculio - 1 1/2 to 2 lbs.
  - Leaf miners, Stink bug - 3/4 to 1 lb.
- Apply specified dosage per acre in sufficient water for complete coverage. Limit application to 4 per crop season. Allow 5 days between applications. Do not use vines for feed or forage, nor pasture treated areas.

13/15  
The REI is 48 hours.

**CUCUMBERS: (1)**

-Spotted cucumber beetle, Striped cucumber beetle, Western striped cucumber beetle - 1 lb.

Apply specified dosage per acre in sufficient water for complete coverage. Limit applications to 3 per crop season regardless of rate used. Allow 7 days between applications.

The REI is 48 hours.

**EGGPLANT: (21)**

-Leaf miners - 3/4 to 1 lb.

-European corn borer, Flea beetles - 1 lb.

Apply specified dosage per acre in sufficient water to give complete coverage. Limit applications to 3 per crop season regardless of rate used. Allow 7 days between applications.

The REI is 48 hours.

**ONIONS, GREEN (14)**

**ONIONS, DRY (28):**

-Thrips - 1 to 1 1/2 lbs.

Apply specified dosage per acre in sufficient water to give complete coverage. Limit applications to 3 per crop season. Allow 7 days between applications for dry onions and 10 days between applications for green onions.

The REI is 48 hours.

**PEPPERS: (21)**

-Leaf miners - 3/4 to 1 lb.

-European corn borer, Flea beetles - 1 lb.

Apply specified dosage per acre in sufficient water to give complete coverage. Limit applications to 3 per crop season regardless of rate. Allow 7 days between applications.

The REI is 48 hours.

**POTATOES: (7)**

-Colorado potato beetle - 3/4 lb.

-Banded cucumber beetle, Leaf miners - 3/4 to 1 lb.

-European corn borer, Flea beetle, Leafhoppers, Spittlebugs, Tarnished plant bug - 1 to 1 1/2 lbs.

-Tuberworm - 1 1/8 to 1 1/2 lbs.

Apply specified dosage per acre in sufficient water for complete coverage. Limit applications to 3 per crop season regardless of rate. Allow 7 days between applications.

The REI is 48 hours.

**SPINACH: (14)**

-Aphids, Leaf miners, Mites - 3/4 to 1 lb. Apply specified dosage per acre in sufficient water for complete coverage. Limit applications to 3 per crop season regardless of rate. Allow 7 days between applications.

The REI is 48 hours.

14715

TOMATOES: (0)

- Colorado potato beetle - 3/4 lb.
- Banded cucumber beetle, Drosophila, Green stink bug, Leaf miners, Whitefly - 3/4 to 1 lb.
- Aphids, European corn borer, Flea beetles, Grasshoppers, Leafhoppers, Thrips - 1 to 1 1/2 lbs.
- Tuberworm - 1 1/8 to 1 1/2 lbs.
- Corn earworm, Fruitworm, Pinworm, Yellow-striped armyworm, Hornworm - 1 1/2 to 3 lbs.

Apply specified dosage per acre by air or ground equipment in sufficient water for complete coverage. Limit applications to 4 per crop season regardless of rate used. The high rates should be used where heavy infestations of late-instar lepidopterous larvae (large worms) and pinworms are present. Allow 7 days between applications.

NOTE: Rates above 1 1/2 lbs. per acre require an interval of 14 days between application and harvest.  
The REI is 48 hours.

MELONS

HONEYDEW MELONS, MUSKMELONS, CANTALOUPE, WATERMELONS, OTHER MELONS:  
(7)

- Leafhoppers, Leaf miners - 3/4 to 1 lb.
  - Ringworms, Spotted cucumber beetle, Striped cucumber beetle, Western-striped cucumber beetle - 1 lb.
- Apply specified dosage per acre in sufficient water to give complete coverage. Limit applications to 3 per crop season regardless of rate. Allow 5 days between applications.  
The REI is 48 hours.

ORNAMENTALS

ORNAMENTALS, NURSERY PLANTS, FOREST AND SHADE TREES:

- Aphids, Cerococcus scale, Euonymus scale, Juniper scale, Lace bugs, Leafhoppers, Mites, Olive scale, Oystershell scale, Pulvinaria scale - Thrips, 3/4 to 1 lb.
  - Brown soft scale, Putnam scale - 2 lbs.
  - Black pine leaf scale, European elm scale - 1 1/2 to 2 lbs.
- Apply specified dosage per 100 gallons of water (2 level teaspoonfuls per gallon). Spray all foliage surfaces including the underside of leaves for complete coverage. For control of black pine leaf, brown soft, European elm, and Putnam scales, Use 4 level teaspoonfuls per gallon. Repeat as necessary.

- Cone midge, Cone moth - 4 to 8 lbs.
- Apply specified dosage per 100 gallons of water. Time applications to coincide with moth flight when cones are open for pollination. Thorough coverage of cones is necessary maximum control. Repeat as necessary.

-European pine shoot moth, Nantucket pine tip moth - 3/4 to 1 1/2 lbs.

Apply specified dosage per acre in sufficient water for good coverage. Time applications to coincide with moth flights. For application to individual trees use 1 level tablespoonful of Azinphosmethyl 50W per gallon of water.

The REI is 48 hours.

**SLASH PINE:**

-Coneworm, Seedworm - 3 lbs. Apply specified dosage per 100 gallons of water. Thorough coverage of cones is necessary for maximum control. Repeat as necessary.

\*This dosage is calculated for conventional hydraulic-type sprayers. When lower volumes of spray are applied per acre with concentrate sprayers, increase the concentration of Azinphosmethyl 50W per acre equivalent to a full-coverage spray.

The REI is 48 hours.

**CHRISTMAS TREES:**

Scale spp., Sawfly spp., European pine shoot moth, Eastern pine shoot borer, Nantucket pine tip moth - 3/4 to 1 1/2 lbs.

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. Time applications to coincide with susceptible pest development.

The REI is 48 hours.

**CONDITIONS OF SALE**

All statements concerning the use of this product apply only when used as directed. THE MANUFACTURER MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, CONCERNING THIS PRODUCT OR ITS USE, WHICH EXTEND BEYOND THE DESCRIPTION ON THE LABEL. Read all directions carefully.