

PM 19

51036-130

Label

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

750 42 1000

Morris Gaskins  
MICRO-FLO CO.  
P.O. Box 5948  
Lakeland, FL 33807

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

Subject: Label Amendment Submission of 06/04/93 in Response to PR Notice 93-7  
EPA Reg. No. 51036-130  
AZINPHOSMETHYL 35W

Dear Registrant:

The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is accepted subject to the comments reflected on the enclosed sheet. A copy of your proposed labeling stamped "ACCEPTED WITH COMMENTS" is enclosed.

**WHAT THIS ACCEPTANCE MEANS:**

Based on your certification, the Agency has accepted the labeling changes that are necessary to comply with the Worker Protection Standard (WPS) labeling requirements of 40 CFR part 156, subpart K, described in PR Notices 93-7 and 93-11. Any other labeling changes submitted in connection with this amendment application but not directly related to compliance with the WPS have not been reviewed or accepted by the Agency. If you wish to make such changes, you must submit a separate amendment application proposing them. If your product is currently suspended, the acceptance of this labeling amendment does not affect the suspension in any way.

**WHAT YOU NEED TO DO NEXT:**

By the next label printing make all the specified changes to your labeling. Send to EPA one (1) copy of the final printed labeling:

- BEFORE selling or distributing any product bearing the final printed labeling
- AND
- WITHIN one year from date of this acceptance.

**BEST AVAILABLE COPY**



Recycled/Recyclable  
Printed with Soy/Candla Ink on paper that  
contains at least 50% recycled fiber

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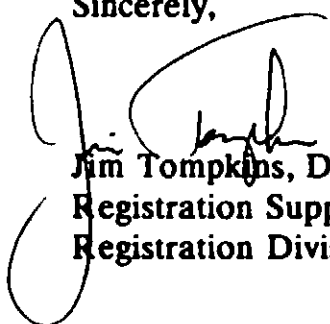
**Submit the final printed labeling via the U.S. Postal Service to:**

**Document Processing Desk (FIN-LABEL)  
Office of Pesticide Programs (7505C)  
U.S. Environmental Protection Agency  
401 M Street, SW  
Washington, D.C. 20460-0001**

**Hand or courier deliveries of final printed labeling may be made to:**

**Document Processing Desk (FIN-LABEL)  
Office of Pesticide Programs  
Room 266A, Crystal Mall 2  
1921 Jefferson Davis Highway  
Arlington, VA 22202**

Sincerely,



**Jim Tompkins, Deputy Chief  
Registration Support Branch  
Registration Division (7505W)**

**Attachment**

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Draft labeling for WPS language in response to PR 93-7

**RESTRICTED USE PESTICIDE**

**Due To Acute Toxicity**

**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.**

**AZINPHOSMETHYL 35W  
35% Wettable Powder Crop Insecticide  
ORGANOPHOSPHATE**

ACTIVE INGREDIENT:	O,O-Dimethyl S-(4-oxo-1,2,3-benzotriazin	
	3(4H)-yl)methyl phosphorodithioate .....	35.0%
<b>I N E R T</b>		
INGREDIENTS:	.....	65.0%
	<b>TOTAL.....</b>	<b>100.0%</b>

**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**

**IF SWALLOWED:** Call a physician or Poison Control Center immediately. Drink 1 or 2 glasses of water 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 20 minutes, administer second dose. If syrup of ipecac is not available, induce vomiting by sticking finger down throat. Repeat until vomit fluid is clear. Never give anything by mouth to an unconscious person.

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

**IF IN EYES.** Flush with flowing water for at least 15 minutes.

**IF INHALED:** Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

**This product is an organophosphorus ester that inhibits cholinesterase.**

**See Elsewhere For Additional Precautionary Statements**

**EPA REG. NO. 51036-130**

**EPA EST. NO. 51036-GA-1**

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

**ACCEPTED  
with COMMENTS  
In EPA Letter Dated**

**DEC 22 1993**

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

**51036-130**

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**PRECAUTIONARY STATEMENTS**  
**Hazards To Humans And Domestic Animals**

**DANGER**

May cause eye irritation. Fatal if swallowed. Harmful if inhaled or absorbed through the skin. Avoid breathing dust or spray mist. Avoid contact with skin, eyes, or clothing. Spray operator should work with wind against back. 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. Wash 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.

**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
6. 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 exposure outdoors, use a dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C)

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 Statement:**

Human flaggers must be in enclosed cabs. The enclosed cabs must be used 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 RECOMENDATIONS**

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

**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 Service.

**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

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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, 29 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) of 48 hours. The REI is 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.

**STORAGE** - Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food, and feed. Store in original container and out of the reach of children, preferably in a locked storage area. Handle and open container in a manner as to prevent spillage. If the container is leaking or material spilled for any reason or cause, carefully sweep material into a pile. Refer to Precautionary Statements on label for hazards associated with the handling of this material. Do not walk through spilled material. Dispose of pesticide as directed above.

**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 - Do not use container in connection with food, feed, or drinking water. Completely empty carton into application equipment. Then dispose of empty carton in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

FOR EFFECTIVE ECONOMICAL INSECT CONTROL Wettable powder formulations of Azinphosmethyl 35WP insecticide have proved effective through many years of extensive commercial use, both foreign and domestic. The 35% Wettable Powder formulation has excellent wetting and suspension properties.

FRUITS:

Azinphosmethyl 35WP controls major fruit pests. The use of Azinphosmethyl greatly simplifies spray schedules. Azinphosmethyl stays on the job, too. Its residual killing activity gives excellent and continuous control from one cover spray to the next often eliminates "between-cover" applications. A combination of Azinphosmethyl and dormant oil for delayed-dormant sprays on apples effectively controls early insect pests on this crop. All-season use of Azinphosmethyl not only eliminates complicated spray schedules, but results in more profitable, finer-finish fruits.

VEGETABLES:

Registered for use on many vegetables, Azinphosmethyl has proved to be exceptionally effective in controlling diamondback moth, Colorado potato beetle and others. As with fruit, Azinphosmethyl has prolonged residual action ... does the job and stays on the job.

RECOMMENDED USES Alfalfa+, Almonds, Apples, Apricots, Artichokes, Barley, Beans (snap and dry), Birdsfoot trefoil\*\*\*, Blackberries, Blackeyed peas, Blueberries\*\*, Boysenberries, Broccoli, Brussels sprouts, Cabbage, Cantaloupe, Cauliflower, Celery, Cherries\*\*\*\*, Citrus fruits, Clover, Crab apples, Cranberries, Cucumbers, Eggplant, Filberts\*, Grapes, Honeydew Melons, Loganberries, Nectarines, Nursery plants, Oats, Onions (green and dry), Other melons, Pasture grasses\*\*\*, Peaches, Pears, Pecans, Peppers, Plums, Potatoes, Prunes, Quinces, Raspberries, Rye, Soybeans, Spinach, Strawberries, Tobacco, Tomatoes, Walnuts, Watermelons, Wheat

RESTRICTIONS Do not use on other crops used for food or forage. Use only according to label directions. Application at rates above those shown may result in illegal crop residues. Do not graze livestock in treated orchards or groves for 21 days after treatment. Do not treat food crops grown in the greenhouse.

**ROTATIONAL CROPS** 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 applica-tion.

**DIRECTIONS FOR USE MIXING** - Azinphosmethyl mixes easily with water to form a suspension which is readily usable in all conventional ground spray equipment. Mix the required amount of Azinphosmethyl with a small quantity of water. Add this premix through the screen while filling the spray tank or fill the tank to the required level and add the premix. Operate the agitator while mixing. **DOSAGE** - Use specified dosage of Azinphosmethyl 35WP in the amount of water necessary to give complete coverage of foliage. The type of equipment used will determine the concentration required. **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 use information in your area.

**RECOMMENDED APPLICATIONS**

**FIELD CROPS**

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

**ALFALFA, CLOVER** (including mixed stands with grasses, States east of the Mississippi River only): (16)

**BIRDSFOOT TREFOIL** (East of the Mississippi River only): (16)

- Leafhoppers, Mites - 5/8 to 1 3/8 lbs.
- Alfalfa weevil, Egyptian alfalfa weevil - 1 to 2 1/8 lbs.
- Alfalfa plant bug, Fleashopper, Grasshoppers, Lygus bugs, Spittlebug - 1 3/8 to 2 1/8 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 within 14 days of harvest or grazing at rates of 5/8 to 1 pound per acre or within 16 days at the rate of 1 3/8 lbs. per acre. Do not apply rates above 1 3/8 lbs. per acre within 21 days of harvest or grazing. Do not apply more than once per cutting at any rate.

**PASTURE, GRASSES** (States east of the Mississippi River): (16)

- Grasshoppers, Meadow spittlebugs (adult) - 1 3/8 to 2 1/8 lbs.
- Apply specified dosage per acre using a minimum of 10 gallons of water per acre. Do not apply more than once per cutting.

**NOTE:** Do not graze or harvest within 21 days at rates above 1 3/8 pound.



**BARLEY, OATS, RYE, WHEAT: (30)**

- Cereal leaf beetle - 1 to 1 3/8 lbs.

Apply specified dosage per acre in sufficient water for complete coverage. Do not apply more than once per season. Do not graze livestock within 30 days of treatment on treated fields.

**SOYBEANS: (45)**

- Aphids, Bean leaf beetle, Green cloverworm, Leafhoppers, Leaf miners, Leaf rollers, Stink bugs, Velvet bean caterpillar - 1 to 1 3/8 lbs.

-Mexican bean beetle - 1 3/8 to 2 1/8 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.

**TOBACCO: (6)**

-Aphids, Grasshoppers, Tobacco hornworm, Tobacco flea beetle - 1 3/8 to 2 1/8 lbs.

-Tobacco budworm - 2 1/8 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.

**FRUITS**

**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, Orange tortrix, Plum curculio, Putnam scale, Red-Banded leaf roller, San Jose scale+, Stink bug, Tarnished plant bug - 2 3/4 to 4 1/4 lbs.

Apply specified dosage per acre by air or ground equipment in sufficient water for good coverage. Up to 17 1/8 lbs of Azinphosmethyl 35W may be applied per crop season. Allow at least 7 days between applications. Azinphosmethyl 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. Do not graze livestock in treated orchards or groves for 21 days after treatment. +Azinphosmethyl used alone may not provide satisfactory control. Consult your local local agricultural advisor or extension service for recommendations.

**CHERRIES (Except California): (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 - 2 1/8 lb.

Apply specified dosage per acre in sufficient water to provide full coverage. Up to 8 1/2 lbs. of Azinphosmethyl 35W may be applied per acre per crop season. Allow at least 14 days between

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applications.

California: Apply post harvest only.

**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, Peach twig borer, Platynota falvedana leaf roller, Plum curculio, Redbanded leaf roller, San Jose scale+, Stink bug, Tarnished plant bug, Terrapin scale, Thrips, Walnut scale, White peach scale - 2 1/2 to 3 1/2 lbs.

Apply specified dosage per acre in sufficient water to provide full coverage. Up to 9 5/8 lbs. of Azinphosmethyl 35W may be applied per acre per crop season to nectarines. Up to 12 3/4 lbs. may be applied to peaches and apricots. Allow at least 14 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. For control of scale, apply when crawlers are present. Azinphosmethyl 35 W is compatible with dormant and summer oils which may be added to peach sprays in accordance with local recommendations.

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

(West of the Rocky Mountains)

-Lesser peach tree borer, Oriental fruit moth, Peach tree borer, Peach twig borer, Platynota falvedana leaf roller, Plum curculio, Redbanded leaf roller, Stink bug, Tarnished plant bug, Thrips - 4 1/4 to 5 5/8 lbs.

Apply specified dosage per acre in sufficient water to provide full coverage. Up to 9 5/8 lbs. of Azinphosmethyl 35W may be applied per acre per crop season to nectarines. Up to 12 3/4 lbs. may be applied to peaches and apricots. Allow at least 14 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. Azinphosmethyl 35 W is compatible with dormant and summer oils which may be added to peach sprays in accordance with local recommendations.

**PLUMS, PRUNES: (15)**

(Eastern U.S.)

-Aphids, Codling moth, Eyespotted 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 - 2 1/2 to 3 5/8 lbs.

-American plum borer - 4 1/4 lbs.

Apply specified dosage per acre in sufficient water to provide full coverage. Up to 9 5/8 lbs. of Azinphosmethyl 35W may be applied per acre per crop season 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. For control of scale, apply when crawlers are

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present. Azinphosmethyl 35 W is compatible with dormant and summer oils which may be added to peach sprays in accordance with local recommendations.

**PLUMS, PRUNES: (15)**

(West of the 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 3/4 to 5 5/8 lbs.

-American plum borer - 4 1/4 to 5 5/8 lbs.

Apply specified dosage per acre in sufficient water to provide full coverage. Up to 9 5/8 lbs. of Azinphosmethyl 35W may be applied per acre per crop season 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. For control of scale, apply when crawlers are present. Azinphosmethyl 35 W 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. +Azinphosmethyl used alone may not provide satisfactory control. Consult your local agricultural advisor or extension service for recommendations.

**BLACKBERRIES, BOYSENBERRIES, LOGANBERRIES, RASPBERRIES:**

-Leafhoppers, Leaf rollers - 1 1/2 lbs

-Leaf miners - 2 lbs.

-Aphids - 2 to 2 7/8 lbs.

-Obscure root weevil - 2 7/8 lbs.

Apply specified dosage per acre in sufficient water to insure thorough coverage. Limit applications to 3 per crop season. Allow 7 days between applications.

**BLUEBERRIES (Eastern and North Central States only): (7)**

-Blueberry maggot, Fruitworms, Lecanium scale, Plum curculio - 1 1/2 to 2 1/8 lbs.

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

**CRANBERRIES: (21)**

-Cranberry fruitworm, Sparganothis sulfureana, Tipworm - 1 1/2 to 2 3/4 lbs.

-Fireworms - 2 3/4 LBS.

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

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**CITRUS FRUITS: (see below)**

-Aphids, Black scale, Brown soft scale, Chaff scale, Citricola 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 - 3 1/2 to 5 5/8 lbs.

-California red scale, Texas citrus mite, Yellow scale - 5 5/8 lbs. Apply specified dosage per acre using sufficient water to insure thorough coverage. A single application per year may be applied up to within 7 days of harvest. 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 tree, such as pruning, within 7 days of treatment. Do not graze livestock in treated orchards or groves for 21 days after treatment. Citrus pulp may be used for feed for cattle, sheep, and goats. Consult your State Cooperative Agricultural Extension Service for more restrictive warnings or limitations.

**GRAPES: (0)**

-Grape berry moth, Grape bud beetle, Grape cane girdlers, Grape mealybug, Leafhoppers, Mites, Red-banded leaf roller, Thrips - 2 1/8 to 2.7/8 lbs.

Apply specified dosage per acre in sufficient water to insure thorough coverage. Limit applications to 3 per crop season regardless of rate used and allow at least 14 days between applications.

NOTE: If higher rates are used on last application, preharvest interval is 10 days.

**STRAWBERRIES: (5)**

-Aphids, Meadow spittlebug, Oblique-banded leaf roller, Obscure root weevil, Omnivorous leaf tier, Pea leaf weevil, Small black (grass) weevil, Strawberry leaf rollers, Whitefly - 1 1/2 lbs.

Apply specified dosage in sufficient water to insure thorough coverage. Limit applications to 4 per crop season regardless of rate used and allow 5 days between applications.

**NUTS**

**ALMONDS: (28)**

-Peach twig borer - 4 1/4 to 5 5/8 lbs.

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 2 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 in treated groves for at least 21 days after last treatment.

**FILBERTS (Pacific Northwest only): (30)**

-Apple mealybug, Filbertworm, Filbert aphid, Filbert leaf roller - 4 1/4 to 5 5/8 lbs.

Apply specified dosage per acre in sufficient water to insure thorough coverage. Limit applications to 3 per season regardless of rate used and allow 14 days between applications. Do not graze livestock in treated groves for at least 21 days after last treatment.

**PECANS:**

-Aphids, Fall webworm, Hickory shuckworm, Leaf miners, May beetles, Mites, Pecan casebearer, Southern green stink bug, Spittlebugs, Twig girdlers, Walnut caterpillars - 4 1/4 to 5 5/8 lbs.

Apply specified dosage per acre in sufficient water to insure thorough coverage. Limit applications to 3 per crop season regardless of rate used and allow 14 days between applications. Do not apply after husks split. Livestock may be grazed in treated groves after a 21 day post-treatment interval.

**WALNUTS:**

-Codling moth, Filbertworm, Navel orangeworm - 4 1/4 to 5 5/8 lbs. Apply specified dosage per acre in sufficient water to insure thorough coverage. Limit applications to 3 per crop season regardless of rate used and allow 14 days between applications. Do not apply after husks split. Do not graze livestock in treated groves for 21 days after treatment.

**VEGETABLES**

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

**ARTICHOKES: (30)**

-Plume moth - 4 1/4 lbs.

Apply specified dosage per acre in sufficient water for complete coverage. Limit applications to 3 per crop season regardless of rate used. Allow 14 days between applications. Do not feed or ensile treated forage.

**BEANS, DRY (30):****BEANS, SNAP (7):**

-Leaf rollers, Mites - 1 to 2 lbs.

-Aphids, Bean leaf beetle, Green cloverworm, Leafhoppers, Leafminers, Stink bugs, Velvet bean caterpillar - 1 1/2 to 2 1/2 lbs. --Mexican bean beetle, Spotted cucumber beetle, Striped cucumber beetle, Tarnished plant bug, Western-striped cucumber beetle - 2 to 2 3/4 lbs.

Apply specified dosage per acre in sufficient water for complete coverage. Do not exceed 4 applications on dry beans. Do not feed or ensile treated forage.

**BROCCOLI (15)****BRUSSELS SPROUTS (7)**

**CABBAGE (includes tight heading varieties of Chinese cabbage) (21)  
CAULIFLOWER (15)**

-Aphids, Cabbage looper, Diamondback moth, Imported cabbageworm - 1 3/8 to 2 1/8 lbs. Apply specified dosage per acre in sufficient water for complete coverage. Repeat as necessary.

-Cabbage maggot - 1/4 to 1/2 lb. 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) - 2 1/8 lbs. Apply specified dosage per acre in sufficient water for uniform distribution. Mix in upper 2 inches of soil prior to seeding, or spray in the seed row at planting times. Usually, 2 to 3 additional sprays are necessary during the growing season, depending on time of year and maggot populations. Do not apply within 21 days of harvest.

-Cabbage maggot (Transplant fields in California only) - 2 1/8 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.

**CELERY: (14)**

-Aphids, Leaf miners, Leafhoppers, Spittlebug, Tarnished plant bug - 1 3/8 lbs. Apply specified dosage in 100 gallons of water as a full-coverage spray\* using not more than 200 gallons of finished spray per acre. Repeat as necessary.

**BLACKEYED PEAS (Southern peas, Crowder peas): (7)**

-Corn earworm, Cowpea Curculio - 2 1/8 to 2 7/8 lbs.

-Leaf miners, Stink bugs - 1 to 1 3/8 lbs. Apply specified dosage per acre in sufficient water for complete coverage. Limit applications to 4 per crop season regardless of rate used. Allow 5 days between applications. Do not use vines for feed or forage nor pasture treated areas.

**CUCUMBERS: (1)**

-Spotted cucumber beetle, Striped cucumber beetle, Western-striped cucumber beetle - 1 3/8 lbs. 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.

**EGGPLANT: (21)**

-Leaf miners - 1 to 1 3/8 lbs.

-European corn borer, Flea beetle - 1 3/8 lbs. 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.

**ONIONS, GREEN (14)**

**ONIONS, DRY (28)**

-Thrips - 1 3/8 to 2 1/8 lbs. 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 for dry onions and 10 days between applications for green onions.

**PEPPERS: (21)**

-Leaf miners - 1 to 1 3/8 lbs.  
 -European corn borer, Flea beetle - 1 3/8 lbs. 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.

**POTATOES: (7)**

-Colorado potato beetle - 1 lb.  
 -Banded cucumber beetle, Leaf miners - 1 to 1 3/8 lbs.  
 -European corn borer, Flea beetle, Leafhoppers, Spittlebugs, Tarnished plant bug - 1 3/8 to 2 1/8.  
 -Tuberworm - 1 1/2 to 2 1/8 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.

**NOTE:** Resistance of Colorado potato beetle has occurred in some areas of the Northeast. Consult your local Extension Service for details.

**SPINACH: (14)**

-Aphids, Leaf miners, Mites - 1 to 1 3/8 lbs. Apply specified dosage per acre in sufficient water to complete coverage. Limit applications to 4 per crop season regardless of rate used. Allow 7 days between applications.

**TOMATOES: (0)**

-Colorado potato beetle - 1 lb.  
 -Banded cucumber beetle, Drosophila, Green stink bug, Leaf miners, Whitefly - 1 to 1 3/8 lbs.  
 -Aphids, European corn borer, Flea beetles, Grasshoppers, Leafhoppers, Thrips - 1 3/8 to 2 1/8 lbs.  
 -Tuberworm - 1 1/2 to 2 1/8 lbs.  
 -Corn earworm, Fruitworm, Hornworm, Pinworm, Yellow-striped armyworm - 2 1/8 to 4 1/4. Apply specified dosage per acre in sufficient water for complete coverage. Limit applications to 4 per crop season regardless of rate used. Allow 7 days between applications. The high rates should be used where heavy infestations of late instar lepidopterous larvae (large worms) and pinworms are present. Rates of 2 1/8 pounds per acre or less may be applied up to day of harvest. Rates above 2 1/8 pounds per acre require an interval of 14 days between application and harvest.

**MELONS (Honeydew melons, Muskmelon (cantaloupe), Watermelons, Other melons): (7)**

-Leafhoppers, Leaf miners - 1 to 1 3/8 lbs.  
 -Rindworms, Spotted cucumber beetle, Striped cucumber beetle,

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Western-striped cucumber beetle - 1 3/8 lbs. Apply specified dosage per acre in sufficient water to give complete coverage. Limit applications to 3 per crop season regardless of rate used. Allow 5 days between applications.

**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.