



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

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Lee Tharrington
Micro Flo Company
P.O. Box 5948
Lakeland, Florida 33807

JAN 7 1999

Subject: Azinphosmethyl 50W Soluble
EPA Registration No. 51036-205
Amendment dated December 2, 1998
Addition of worker risk mitigation to label.

Dear Mr. Tharrington:

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, is acceptable provided that you make the labeling changes indicated below before you release the product for shipment bearing the amended labeling:

1. At the top of the first page of the label this statement in a box must be added: "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."
2. On the final printed label the skull and crossbones symbol must be added in the immediate proximity to the signal word "DANGER" on the front of the label.
3. On page two of the label under the headings "Applicators and other handlers...wear" and on page 3 under "Mixers and loaders must wear" the statements "Chemical resistant headgear for overhead exposure" and "Chemical resistant headgear" must be reinstated and should not be crossed out as was in the submitted label.
4. On page 5 under the heading "AGRICULTURAL USE REQUIREMENTS" the PPE statement must state that the coveralls should be worn over "long-sleeved shirt and long pants". The third statement must state " Chemical-resistant footwear plus socks, and protective eyewear".
5. On page 6 under "CONTAINER DISPOSAL" these instructions must be corrected. Since the label specifies that it is packed in soluble packets these instructions for emptying bags into

application equipment and disposing of the bag are inappropriate and the correct instructions for container disposal must be added.

6. On page 8 under Alfalfa it is noted that the PHI listed is 16 days. However, the PHI listed for alfalfa on your label EPA Registration No. 51036-164 was 14 days. The PHI's for both of these labels must be corrected so that they are consistent with each other.

7. On page 10 of the label the PHI for Blackberries, Boysenberries, Loganberries, and Raspberries is listed as 14 days. However, on the label EPA Registration No. 51036-164 the PHI for the same crops was listed as 3 days. The PHI's for both of these labels must be corrected so that they are consistent with each other.

8. On page 11 after the heading "NUTS" and on page 12 after the heading "VEGETABLES" the statement "NOTE: Preharvest Intervals in days indicated in () after each use" must be added.

9. On page 13 under the crop "CUCUMBERS" and on page 14 for "TOMATOES" the PHI must be changed to be at least 2 days since all REI's must be at least 48 hours.

10. On page 13 under the crop Onions, Green the PHI is listed as 14 days but on the label EPA Registration No. 51036-164 the PHI was listed as 7 days. These PHI's must be corrected so that they are consistent with each other.

11. On page 13 it is listed for peppers a PHI of 21 days. However, the PHI for peppers on label EPA Registration No. 51036-164 was 7 days. These PHI's must be made consistent with each other.

12. The REI's must be listed for each crop listed on the label. In the submitted label the REI's were all crossed out but the correct REI's must be included with each crop.

Submit two copies of your final printed labeling before you release the product for shipment. A copy of the labeling stamped "Accepted With Comments" is enclosed for your records. If you have any questions concerning this letter, please contact me at (703) 308-9397.

Sincerely, *George Tompkins*
George Tompkins, Ph.D., Entomologist
Insecticide-Rodenticide Branch
Registration Division (7505C)

3917

AZINPHOSMETHYL 50W SOLUBLE
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.

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. 51036-205

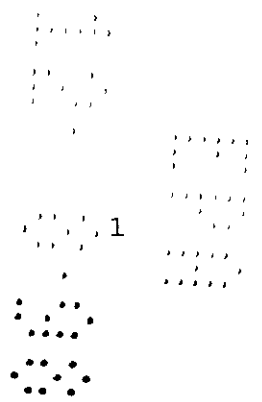
EPA Est. No. 51036-GA-1

ACCEPTED
with COMMENTS
In EPA Letter Dated:

JAN 7 1999

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

Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under EPA Reg. No.
51036-205



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.

PRECAUTIONARY STATEMENTS
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. Corrosive. Causes irreversible eye damage.

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

Airblast applicators must be in fully enclosed cabs or if not in fully enclosed cabs, applicators must wear:

1. Chemical-resistant suit over long-sleeved shirt and long-legged pants
2. Chemical-resistant hood
3. Full-face respirator or half-faced respirator with a face shield
4. Chemical-resistant footwear plus socks

Applicators and other handlers (other than air-blast) must wear:

1. Coveralls over long-sleeved ~~short-sleeved~~ shirt and long-legged ~~short~~ pants
2. Waterproof gloves
3. Chemical resistant footwear plus socks

- 4. ~~Chemical resistant headgear for overhead exposure~~
- 5. Protective eyewear
- 6. Dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C), or a NIOSH approved respirator with any R, P or HE filter

Mixers and loaders must wear:

- 1. Coveralls over long-sleeved ~~short-sleeved~~ shirt and long-legged ~~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), or a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any R, P or HE prefilter

For outdoor exposure, use a dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C), or a NIOSH approved respirator with any R, P or HE filter

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 Control:

Human flagging is prohibited. ~~Human flaggers must be in enclosed cabs.~~ The closed system or 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 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 (PPE) and restricted entry interval. 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) listed in the chart below of 48 hours.

CROP	ACTIVITY	REI
Tree crops (except citrus)	Propping	14 days
	Hand thinning	14 days
	Hand harvesting	14 days
	Mowing	48 hours
	Irrigating	48 hours
	Scouting	48 hours
	Other activities	48 hours
Citrus	Propping	30 days
	Hand thinning	30 days
	Hand harvesting	30 days
	Mowing	48 hours
	Irrigating	48 hours
	Scouting	48 hours
	Other activities	48 hours
Grapes	Girdling	21 days
	Cane throwing	21 days
	Leaf pulling	21 days
	Cane cutting	21 days
	Bunch thinning	21 days
	Hand harvesting	21 days
	Other activities	48 hours
All other crops	All activities	48 hours

Each 48 hour REI is increased to 72 hours in outdoor areas where average rainfall is less than 25 inches per 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. Chemical-resistant gloves, such as barrier laminate or butyl rubber or nitrile rubber or viton
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

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.

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.

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.

SPRAYING:

Backpack spraying is prohibited. 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.

USE OF THIS PRODUCT IN GREENHOUSES OR ENCLOSED AREAS IS PROHIBITED.

REQUIREMENTS FOR REDUCING SPRAY DRIFT

1. Do not apply under conditions where possible drift to unprotected persons or to food, forage, or other plantings that might be damaged or the crops thereof rendered unfit for sale, use or consumption can occur.
2. For aerial applications, the spray boom should be mounted on the aircraft so as to minimize drift caused by wing tip vortices. The minimum practical boom length should be used and must not exceed 75% of the wing span or rotor diameter.
3. Use the largest droplet size consistent with acceptable efficacy. Formation of very small droplets may be minimized by appropriate nozzle selection, by orienting nozzles away from the air stream as much as possible and by avoiding excessive spray boom pressure.
4. For aerial applications, spray should be released at the lowest height consistent with efficacy and flight safety. Applications more than 10 feet above the crop canopy should be avoided.
5. Make aerial or ground applications when the wind velocity favors on-target product deposition (approximately 3 to 10 mph). Do not apply when wind velocity exceeds 15 mph. Avoid applications when wind gusts approach 15 mph.
6. Do not make aerial or ground applications during temperature inversions. Inversions are characterized by stable air and increasing temperatures with increasing distance above the ground. Mist or fog may indicate the presence of an inversion in humid areas. The applicator may detect the presence of an inversion by producing smoke and observing a smoke layer near the ground surface.
7. Low humidity and high temperatures increase the evaporation rate of spray droplets and therefore the likelihood of increased spray drift. Avoid spraying during conditions of low humidity and/or high temperature.
8. Do not apply within 150 feet by air or 100 feet by ground of an

unprotected person(s) or occupied dwelling.

- 9. All aerial and ground application equipment must be properly maintained and calibrated using appropriate carriers.

To address Integrated Pest Management Issues: Local integrated management systems are available for controlling the pests on this label. Such systems include the use of biological control agents, alternative chemicals and scouting. Consult your local Extension specialist or other consultant for further details.

RESTRICTIONS

Do not use on other crops used for food or forage. Use only according to label directions. Applications 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.~~

RECOMMENDATIONS FOR USE

Rates are expressed in pounds Azinphosmethyl 50W per acre.

FIELD CROPS

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

ALFALFA: (16)

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

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 more than once per cutting at any rate.

RYE: (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.

FRUIT

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

APPLES, CRAB APPLES, PEARS: (14) (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. Repeat applications made at less than a 14 day interval are considered early entry activities. Appropriate applicator and early entry PPE must be worn. 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.

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.

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.

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, 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.

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. Repeat applications made at less than a 14 day interval are considered early entry activities. Appropriate applicator and early entry PPE must be worn. For control of peach tree borer, apply 2 to 3 sprays to trunk from ground to scaffold limbs, timed with moth flight.

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. Repeat applications made at less than a 14 day interval are considered early entry activities. Appropriate applicator and early entry PPE must be worn. For control of peach tree borer, apply 2 to 3 sprays to trunk from ground to scaffold limbs, timed with moth flight.

BLACKBERRIES, BOYSENBERRIES, LOGANBERRIES, RASPBERRIES: (14)

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

-Leaf miners - 5/8 lb.

-Aphids - 5/8 to 1 lb.

-Obscure root weevil - 1 lb.

Apply specified dosage per acre to foliage using sufficient water for good coverage. Limit applications to 2 per crop season.

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

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

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.

CITRUS FRUITS: (30)

-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, 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. Repeat applications made at less than a 30 day interval are considered early entry activities. Appropriate applicator and early entry PPE must be worn. ~~If a second application is made, allow at least 28 days before harvest. Do not pick fruit or do other work involving contact with the tree (such as pruning) within 7 days after treatment.~~

GRAPES: (21) (0)

-Grape berry moth, Grape cane girdlers, Grape mealybug, Leaf hoppers, Mites, Red-banded leaf rollers, Thrips, Grape leaf skeletonizer - 1 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. Repeat applications made at less than a 21 day interval are considered early entry activities. Appropriate applicator and early entry PPE must be worn. ~~If higher rate is used on last application, preharvest interval is 10 days.~~

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 rate used. Allow 5 days between applications.

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.

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

PECANS: (45)

-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. Repeat applications made at less than a 14 day interval are considered early entry activities. Appropriate applicator and early entry PPE must be worn. ~~Do not apply after husks split.~~ Livestock may be grazed in treated groves after a 21-day post-treatment interval.

WALNUTS: (21)

-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.

VEGETABLES

ARTICHOKES: (30)

-Plume 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.

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.

CELERY: (14)

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

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. Do not exceed more than 3 applications per season.

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.

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.

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.

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.

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.

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.

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.

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.

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.

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.

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.