| MALATHION | GROUP | 1B | INSECTICIDE |
|---|---|---|---|

# FYFANON® 57% EC

Organophosphate

ACTIVE INGREDIENT:

| | |
|---|---|
| Malathion* | 57.0% |
| INERT INGREDIENTS** | 43.0% |
| TOTAL | 100.0% |

*O,O-dimethyl phosphorodithioate of diethyl mercaptosuccinate

** Contains Petroleum Distillate

(1 gallon contains 5.0 pounds of malathion)

**EPA Reg. No. 279-3607** **EPA Est. No. 39578-TX-1**

**NET CONTENTS: _____**

## KEEP OUT OF REACH OF CHILDREN

# WARNING/AVISO

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

**IN CASE OF A MEDICAL EMERGENCY INVOLVING THIS PRODUCT,
CALL TOLL FREE, DAY OR NIGHT 1-800-331-3148**

Sold By

**FMC Corporation**
**2929 Walnut Street**
**Philadelphia, PA 19104**

| FIRST AID<br>**This product is an organophosphate and a cholinesterase inhibitor.** | |
|---|---|
| **IF SWALLOWED:** | Immediately call a poison control center or doctor. Do not induce vomiting unless told to by a poison control center or doctor. Do not give any liquid to the person. Do not give anything by mouth to an unconscious person. |
| **IF INHALED:** | Move person to fresh air. If person is not breathing, call 911 or ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.<br>Call a poison control center or doctor for further treatment advice. |
| **IF ON SKIN OR CLOTHING:** | Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice. |
| **IF IN EYES:** | Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.<br>Call a poison control center or doctor for treatment advice. |
| Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-331-3148 for emergency medical treatment information. | |
| **NOTE TO PHYSICIAN:** Malathion is a cholinesterase inhibitor affecting the central and peripheral nervous systems and producing cardiac and respiratory depression.<br>Antidote: Administer atropine sulphate in large doses, TWO to FOUR mg intravenously or intramuscularly as soon as cyanosis is overcome. Repeat at 5 to 10 minute intervals until signs of atropinization appear. 2-PAM chloride is a pharmacological antidote and may be administered as an adjunct to, but not a substitute for, atropine, which is a symptomatic and often lifesaving antidote. DO NOT GIVE MORPHINE OR TRANQUILIZERS. At first sign of pulmonary edema, the patient should be given supplemental oxygen and treated symptomatically. Continued absorption of malathion may occur and relapse may occur after initial improvement. VERY CLOSE SUPERVISION OF THE PATIENT IS INDICATED FOR AT LEAST 48 HOURS. Contains Petroleum Distillate. May pose an aspiration pneumonia hazard. | |

## PRECAUTIONARY STATEMENTS
## HAZARDS TO HUMANS & DOMESTIC ANIMALS

# WARNING

Causes substantial but temporary eye injury. Harmful if swallowed. Harmful if absorbed through skin. Do not get in eyes or on clothing. Avoid contact with skin, eyes or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**: Some materials that are chemical resistant to this product are barrier laminate, butyl rubber, nitrile rubber, or viton.

For all formulations and use patterns – mixers, loaders, applicators, flaggers, and other handlers must wear:

- long-sleeved shirt and long pants
- shoes and socks
- chemical-resistant gloves (pilots must wear chemical-resistant gloves only when entering or exiting the aircraft)

For all dip applications – mixers, loaders, and applicators must wear:

- long-sleeved shirt and long pants
- shoes and socks
- chemical-resistant gloves
- chemical-resistant apron

For all air blast applications – applicators must wear:

- long-sleeved shirt and long pants
- shoes and socks
- chemical-resistant gloves
- chemical-resistant apron

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

## ENGINEERING CONTROL STATEMENTS

Pilots must use an enclosed cockpit in a manner that is consistent WPS for Agricultural Pesticides [40 CFR 170.240(d)(6)]. Pilots must wear the PPE required on this labeling for applicators.

## USER SAFETY RECOMMENDATIONS:

Users should:

• Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

• Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

• 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 toxic to fish and aquatic invertebrates. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas.

This product may contaminate water through drift of spray in wind. This product has a high potential for runoff after application. Use care when applying in or to an area which is adjacent to any body of water, and do not apply when weather conditions favor drift from target area. Poorly draining soils and soils with shallow water tables are more prone to product runoff that contains this product.

A level, well maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential for contamination of water from rainfall-runoff.

Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater or rinsate.

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not

discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area. In citrus, stone fruit, pome fruit and tree nuts: Do not apply this product within 3 days prior to bloom, during bloom, or until petal fall is complete. **Protect pollinating insects by following label directions intended to minimize drift and to reduce risk to these organisms.**

Reporting Ecological Incidents: To report ecological incidents, including mortality, injury, or harm to plants and animals, call 1-800-331-3148.

## PHYSICAL OR CHEMICAL HAZARDS

Flammable. Do not use or store near heat or open flame, including pilot lights.

## STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage and disposal.

**PESTICIDE DISPOSAL**:

To avoid wastes, use all material in this container by application according to label directions. If wastes cannot be avoided, offer remaining product to a waste disposal facility or pesticide disposal program (often such programs are run by state or local governments or by industry).

**PESTICIDE STORAGE**:

Fyfanon® 57% EC should be stored in the original unopened container in a secure, dry place. Do not contaminate with other pesticides or fertilizers. The product should never be heated above 55°C (131°F), and should not be stored for long periods of time at a temperature in excess of 25°C (77°F).

**Container Disposal:**

**Nonrefillable containers equal to or less than 5 gallons**: Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available. Triple rinse container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

**Nonrefillable containers greater than 5 gallons:** Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available. Triple rinse container promptly after emptying. Triple rinse as follows: Empty the remaining contents into the application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank and store rinsate for later use or disposal. Repeat this procedure two more times.

## DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. For any requirements specific to your State or Tribe consult the agency responsible for pesticide regulation.

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.

Do not apply this product when soil is saturated, or when a storm event likely to produce runoff from the treated area is forecasted (by NOAA/National Weather Service, or other similar forecasting service) to occur within 48 hours following application.

## Endangered Species

It is a Federal offense to use any pesticide in a manner that results in an unauthorized "take" (e.g., kill or otherwise harm) of an endangered species and certain threatened species under the Endangered Species Act section 9. When using this product, you must follow the measures contained in the Endangered Species Protection Bulletin for the area in which you are applying the product. You must obtain a Bulletin no earlier than six months before using this product. To obtain Bulletins, consult **http://www.epa.gov/espp/**, call 1-844-447-3813, or email ESPP@epa.gov. You must use the Bulletin valid for the month in which you will apply the product.

Reporting Ecological Incidents: To report ecological incidents, including mortality, injury, or harm to plants and animals, call 1-800-331-3148.

## 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 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 restricted-entry interval (REI). The REI for each crop is listed in the directions for use associated with each crop. 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:

- Coveralls
- Chemical-resistant gloves such as barrier laminate, or butyl rubber or nitrile rubber, or Viton
- Shoes plus socks

## NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR part 170).
The WPS applies when this product is used to produce agricultural plants on farms, forests, or nurseries. Do not enter or allow others to enter until sprays have dried.

## PRECAUTIONS AND RESTRICTIONS

Do not permit spray to contact auto vehicles as paint finish could be permanently damaged. If vehicles come into contact with spray, wash immediately.

Do not use this product for any uses other that those specified on this label.

For proper mixing, fill the spray tank at least ¾ filled with water before Fyfanon® 57% EC is added. Mechanical agitation or recirculation through the pump by-pass to the tank is usually sufficient for maintaining a good dispersion. Rinse empty container with water and drain into spray tank – repeat twice more. Repeat applications may be made as indicated. Consult your State Agricultural Experiment Station for proper timing of applications.

**Restrictions for State/Federal Programs**:

For use only by federal, state, tribal or local government officials responsible for insect control or by persons certified in the appropriate category or otherwise authorized by the state or tribal lead pesticide regulatory Agency to perform grasshopper/Mormon Cricket, Beet Leafhopper or Boll Weevil control applications, or by persons under their supervision, or as allowed by state regulations for persons treating private property.

**Pollinator Protection**:

Managed pollinator protection plans are developed by states/tribes to promote communication between growers, landowners, farmers, beekeepers, pesticide users, and other pest management professionals to reduce exposure of bees to pesticides. If available, visit state plans for additional information on how to protect pollinators.

Pollinator Best Management Practices (Agricultural Uses):
Following best management practices can help reduce risk to terrestrial pollinators. Examples of best management practices include applying pesticides in the evening and at night when pollinators are not foraging and checking to confirm hive locations before spraying. For additional resources on pollinator best management practices,
visit https://www.epa.gov/pollinator-protection/find-best-management-practices-protect-pollinators.

Pollinator Best Management Practices (Non-Agricultural Uses):
Following best management practices can help reduce risk to terrestrial pollinators. Examples of best management practices include applying pesticides in the evening and at night when pollinators are not foraging and avoiding applications to flowering plants. For additional resources on pollinator best management practices,
visit https://www.epa.gov/pollinator-protection/find-best-management-practices-protect-pollinators.

How to Report Bee Kills: It is recommended that users contact both the state lead agency and the U.S. Environmental Protection Agency to report bee kills due to pesticide application. Bee kills can be reported to EPA at beekill@epa.gov. To contact your state lead agency, see the current listing of state pesticide regulatory agencies at the National Pesticide Information Center's website: http://npic.orst.edu/reg/state_agencies.html.

Reporting Ecological Incidents: To report ecological incidents, including mortality, injury, or harm to plants and animals, call 1-800-331-3148.

## RESISTANCE MANAGEMENT RECOMMENDATIONS

For resistance management, Fyfanon® 57% EC contains a Group 1B insecticide. Any insect population may contain individuals naturally resistant to Fyfanon® 57% EC and other Group 1B insecticides/acaricides. The resistant individuals may dominate the insect population if this group of insecticides/acaricides are used repeatedly in the same fields. Appropriate resistance-management strategies should be followed.
To delay insecticide/acaricide resistance, take the following steps:

- Rotate the use of Fyfanon® 57% EC or other Group 1B insecticides/acaricides within a growing season, or among growing seasons, with different groups that control the same pests.
- Use tank mixtures with insecticides/acaricides from a different group that are equally effective on the target pest when such use is permitted. Do not rely on the same mixture repeatedly for the same

pest population. Consider any known cross-resistance issues (for the targeted pests) between the individual components of a mixture. In addition, consider the following recommendations provided by the Insecticide Resistance Action Committee (IRAC):

- o Individual insecticides selected for use in mixtures should be highly effective and be applied at the rates at which they are individually registered for use against the target species.
- o Mixtures with components having the same IRAC mode of action classification are not recommended for insect resistance management.
- o When using mixtures, consider any known cross-resistance issues between the individual components for the targeted pest(s).
- o Mixtures become less effective if resistance is already developing to one or both active ingredients, but they may still provide pest management benefits.
- o The insect resistance management benefits of an insecticide mixture are greatest if the two components have similar periods of residual insecticidal activity. Mixtures of insecticides with unequal periods of residual insecticide activity may offer an insect resistance management benefit only for the period where both insecticides are active.

- Adopt an integrated pest management program for insecticide/acaricides use that includes scouting, uses historical information related to pesticide use, crop rotation, record keeping, and which considers cultural, biological and other chemical control practices.
- Monitor after application for unexpected target pest survival. If the level of survival suggests the presence of resistance, consult with your local university specialist or certified pest control advisor.
- Contact your local extension specialist or certified crop advisors for any additional pesticide resistance-management and/or IPM recommendations for the specific site and pest problems in your area.
- For further information or to report suspected resistance contact FMC at 1-800-331-3148.

## Mandatory Spray Drift Management

**Aerial Applications**:

- Do not release spray at a height greater than 10 ft above the ground or vegetative canopy, unless a greater application height is necessary for pilot safety.
- Applicators must select nozzle and pressure that deliver medium or coarser droplets in accordance with American Society of Agricultural & Biological Engineers Standard (ASABE S641).
- If the windspeed is 10 miles per hour or less, applicators must use 3/4 swath displacement upwind at the downwind edge of the field. When the windspeed is between 11-15 miles per hour, applicators must use a full swath displacement upwind at the downwind edge of the field.
- Do not apply when wind speeds exceed 15 mph at the application site. If the windspeed is greater than 10 mph, the boom length must be 65% or less of the wingspan for fixed wing aircraft and 75% or less of the rotor diameter for helicopters. Otherwise, the boom length must be 75% or less of the wingspan for fixed-wing aircraft and 90% or less of the rotor diameter for helicopters.
- Do not apply during temperature inversions.

**Additional Requirements for Aerial Applications**

For aerial applications, the spray boom should be mounted on the aircraft as to minimize drift caused by wingtip or rotor vortices. Aerial applicators must consider flight speed and nozzle orientation in determining droplet size. When applications are made with a crosswind, the swath will be displaced downwind. The applicator must compensate for this displacement at the downwind edge of the application area by adjusting the path of the aircraft upwind.

## Mandatory Spray Drift Management, *continued*

Apply only when weather conditions are favorable. Wind and rising air currents may cause undesirable spray drift and reduce insect control.

Mist blowers and boom sprayers utilizing a controlled air flow to facilitate particle size and spray deposition may be used at a vehicle speed of 4 to 10 mph.

Mist blowers with a pump capable of producing 40 psi and blower speeds of 2600 rpm are satisfactory. Use flat fan nozzles, 8001 to 8002, placed 30° into air blast, or rotary atomizers placed into the air blast that produce an efficient spray particle with a mass median diameter of 30 to 100 microns. Other similar application equipment which has demonstrated the capability to deliver even distribution of the labeled rate over the desired area may be used.

Boom sprayers with a filtered rotary air compressor, either PTO or gas engine driven or an air pump capable of producing at least 12 psi are satisfactory. Use air pressure on chemical tanks and an accurate metering valve to assure a calibrated flow of the pesticide. Air should be regulated with a relief valve and gauge for proper air and liquid mixture. Pneumatic-type spray nozzles, as suggested by equipment manufacturer, should be used for spray particles with mass median diameter of 30 - 100 microns.

**Airblast applications:**

- Sprays must be directed into the canopy.
- Do not apply when wind speeds exceed 10 miles per hour at the application site.
- User must turn off outward pointing nozzles at row ends and when spraying outer row.
- Do not apply during temperature inversions.

**Ground Boom Applications:**

- Do not release spray at a height greater than 4 feet above the ground or crop canopy.
- Applicators must select nozzle and pressure that deliver medium or coarser droplets in accordance with American Society of Agricultural & Biological Engineers Standard 572 (ASABE S572).
- Do not apply when wind speeds exceed 10 mph at the application site.
- Do not apply during temperature inversions.

**Spray Drift Requirements**

Observe the following requirements when spraying in the vicinity of aquatic areas such as, but not limited to lakes; reservoirs; rivers; permanent streams; marshes or natural ponds; estuaries and commercial fish ponds.

**Buffer Zones to Water Bodies**

**Ground Application**

- Do not apply within 25 feet of aquatic habitats (such as, but not limited to, lakes, reservoirs, rivers, streams, wetlands, ponds, estuaries, and commercial fish ponds). You must follow the instructions for additional buffer distances beyond the 25 feet, as applicable, per the Endangered Species Protection Bulletin for the area in which you are applying the product. You must obtain a Bulletin no earlier than six months before using this product. To obtain Bulletins, consult http://www.epa.gov/espp/, call 1-844-447-3813, or email ESPP@epa.gov.

**Aerial Application**

- Do not apply within 50 feet of aquatic habitats (such as, but not limited to, lakes, reservoirs, rivers, streams, wetlands, ponds, estuaries, and commercial fish ponds). You must follow the instructions for additional buffer distances beyond the 50 feet, as applicable, per the Endangered Species Protection Bulletin for the area in which you are applying the product. You must obtain a Bulletin no earlier than six months before using this product. To obtain Bulletins, consult http://www.epa.gov/espp/, call 1-844-447-3813, or email ESPP@epa.gov.

**Wind Direction and Speed**

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. For all non-aerial applications, wind speed must be measured adjacent to the application site on the upwind side, immediately prior to application.

**Temperature Inversion**

Do not make aerial or ground applications into areas of 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. Where permissible by local regulations, the applicator may detect the presence of an inversion by producing smoke and observing a smoke layer near the ground surface. In conditions of low humidity and high temperatures, applicators should use a coarser droplet size.

## AGRICULTURAL USES

Make application to agricultural sites using a minimum of 30 (ground) or 5 (aerial) gallons of water/A unless otherwise noted in the table directly below. When application rate range is given use the higher rate under heavy pest pressure.

| Crop | Pests Controlled | Rate/Acre | Max. Single App. Rate (lb ai/A) | Max. # of App. per year | Min. App. Interval (days) | Min. Pre-Harvest Interval (days) | Restricted Entry Interval (hrs or days) |
|---|---|---|---|---|---|---|---|
| Alfalfa | Alfalfa weevil larvae*; aphids; grasshoppers; lygus bugs; potato leaf hoppers; spider mites; spittlebugs; stink bugs; pea aphid<br><br>Armyworms<br>Clover leaf weevil<br>Vetch bruchid | 1.5-2 pints<br><br>2 pints<br>1.5 pints<br>2 pints | 1.25 | 2 | 14 | 0 | 12 hrs |
| • Do not apply to alfalfa in bloom. | | | | | | | |
| Apricots | Aphids; codling moth; European fruit lecanium; orange tortrix; soft brown scale; terrapin scale | 2.4 pints | 1.5 | 2 | 7 | 6 | 12 hrs |
| • Do not apply this product within 3 days prior to bloom, during bloom, or until petal fall is complete. | | | | | | | |
| Asparagus | Asparagus aphid<br>Asparagus beetle<br>Thrips | 2 pints<br>2 pints<br>1.5-2 pints | 1.25 | 2 | 7 | 6 | 12 hrs |
| Avocado | Greenhouse thrips; latnia scale; Omnivorous looper; Orange tortrix; Soft brown scale | 7.5 pints | 4.7 | 2 | 30 | 7 | 2 days |
| • Application rates are based on a standard dilution rate of 500 (ground) gallons of water/A. | | | | | | | |
| Barley | Cereal leaf beetle; English grain aphids; grasshoppers; greenbugs; winter grain mites | 1-2 pints | 1.25 | 2 | 7 | 7 | 12 hrs |
| Beets, garden | Aphids | 1.5-2 pints | 1.25 | 2 | 7 | 7 | 12 hrs |
| • Do not apply to Sugar Beets. | | | | | | | |
| Blueberry (high bush and low bush) | Blueberry maggots; cherry fruit worm; cranberry fruit worm; Japanese beetle | 2 pints | 1.25 | 3 | 5 | 1 | 12 hrs |
| • The rates for use on blueberries are based on a standard of 200 gallons per acre dilute spray. | | | | | | | |
| Broccoli; Chinese Broccoli; Broccoli Raab | Aphids; cabbage looper; imported cabbageworm; carrot weevil; flea beetle | 1-2 pints | 1.25 | 2 | 7 | 2 | 2 days |

*(continued)*

| Crop | Pests Controlled | Rate/Acre | Max. Single App. Rate (lb ai/A) | Max. # of App. per year | Min. App. Interval (days) | Min. Pre-Harvest Interval (days) | Restricted Entry Interval (hrs or days) |
|---|---|---|---|---|---|---|---|
| Brussels sprouts | Aphids; cabbage looper; imported cabbageworm; carrot weevil; flea beetle | 1-2 pints | 1.25 | 2 | 7 | 2 | 2 days |
| Cabbage; Chinese cabbage | Aphids; cabbage looper; imported cabbageworm; diamondback moth; webworm; carrot weevil; flea beetle | 1-2 pints | 1.25 | 3 | 7 | 7 | 2 days |
| • For caterpillars on summer and fall plantings, begin when true leaves appear. On other plantings and for other insects, apply when insects appear. | | | | | | | |
| Cantaloupe | Aphids; spider mites; cucumber beetles; leaf miners; leafhoppers; pickleworms; squash vine borer | 1.6 pints | 1.0 | 2 | 7 | 1 | 12 hrs |
| Caneberries (blackberry; boysenberry; dewberry; gooseberry; loganberry; raspberry) | Aphid; rose scale chafers; Japanese beetle; leafhoppers; mites; thrips | 3.2 pints | 2.0 | 3 | 7 | 1 | 12 hrs |
| • Application rates are based on a standard dilution rate of 200 (ground) gallons of water/A. | | | | | | | |
| Carrots | Aphids; leafhoppers | 1.5-2 pints | 1.25 | 2 | 7 | 1 | 24 hrs |
| Cucumber | Aphids; pickleworms; spider mites; cut worms; darkling ground beetle; leafhoppers; squash vine borer; thrips | 1.5-2.8 pints | 1.75 | 2 | 7 | 1 | 24 hrs |
| Cauliflower | Aphids; cabbage looper; imported cabbageworm; diamondback moth; webworm; carrot weevil; flea beetle | 1-2 pints | 1.25 | 2 | 7 | 2 | 2 days |
| Celery | Aphids; spider mites | 2.4 pints | 1.5 | 2 | 7 | 7 | 24 hrs |
| Cherries (sweet and tart) | Black cherry aphid; fruit tree leafroller; Japanese beetle; cherry fruit fly; eyespotted bud moth | 2.8 pints | 1.75 | 4 | 3 | 3 | 12 hrs |
| • Application rates are based on a standard dilution rate of 400 (ground) gallons of water/A for mature trees. Injury may occur on certain varieties of sweet cherries.<br>• Do not apply this product within 3 days prior to bloom, during bloom, or until petal fall is complete. | | | | | | | |

*(continued)*

| Crop | Pests Controlled | Rate/Acre | Max. Single App. Rate (lb ai/A) | Max. # of App. per year | Min. App. Interval (days) | Min. Pre-Harvest Interval (days) | Restricted Entry Interval (hrs or days) | Additional Restrictions |
|---|---|---|---|---|---|---|---|---|
| Citrus Fruits (grapefruit; lemon; lime; orange; tangerine; tangelo) | Thrips; California red scale; yellow scale; purple scale; black scale; soft scale; citricola scale | FL only: | | | | | | |
| | | 2.4 pints | 1.5 | 3 | 30 | 7 | 12 hrs | None |
| | | CA only: | | | | | | |
| | | 12 pints<br>or<br>2.4 pints | 7.5<br>or<br>1.5 | 1<br><br>3 | N/A<br><br>30 | 7 | 3 days<br>or<br>12 hrs | This application rate is applicable to CA only.<br>If this application rate is used in CA:<br>• At 7.5 lbs. ai/A, only airblast applications are permitted (aerial applications prohibited);<br>• At 1.5 lbs. ai/A, only 3 applications of malathion may be made to the treated field within the same calendar year.<br>or<br>at 7.5 lbs. ai/A, only one application of malathion may be made to the treated field within the same calendar year. |
| | | All States other than CA and FL: | | | | | | |
| | | 7.2 pints<br>or<br>2.4 pints | 4.5<br>or<br>1.5 | 1<br><br>3 | N/A<br><br>30 | 7 | 3 days<br>or<br>12 hrs | • At 1.5 lbs. ai/A, only 3 applications of malathion may be made to the treated field within the same calendar year.<br>• At 4.5 lbs. ai/A, only one application of malathion may be made to the treated field within the same calendar year. |

- Use the higher rate for heavy infestation.
- Apply with sufficient water to obtain full coverage of foliage. Apply in a minimum of 100 gallons of water per acre by ground, and up to 500 gallons of water per acre for mature trees. Use higher volumes of water as appropriate to ensure thorough coverage of foliage, depending on density and size of area to be treated.
- Do not apply this product within 3 days prior to bloom, during bloom, or until petal fall is complete.

*(continued)*

| Crop | Pests Controlled | Rate/Acre | Max. Single App. Rate (lb ai/A) | Max. # of App. per year | Min. App. Interval (days) | Min. Pre-Harvest Interval (days) | Restricted Entry Interval (hrs or days) |
|---|---|---|---|---|---|---|---|
| Clover | Alfalfa weevil larvae; aphids; grasshoppers; lygus bugs; potato leaf hoppers; spider mites; spittlebugs; stink bugs; pea aphid | 1.5-2 pints | 1.25 | 4 | 14 | 0 | 12 hrs |
| | Armyworms | 2 pints | | | | | |
| | Clover leaf weevil | 1.5 pints | | | | | |
| | Vetch bruchid | 2 pints | | | | | |
| • Do not apply to clover in bloom. | | | | | | | |
| Collards | Aphids; harlequin cabbage bug; smaller cabbage looper; leaf hoppers; leaf miners | 1.5 pints | 1.0 | 3 | 7 | 7 | 12 hrs |
| Corn (field) | Aphids; corn earworms; corn rootworm adults; young grasshoppers; sap beetle; thrips; smaller armyworms; leaf hopper | 1.5 pints | 1.0 | 2 | 7 | 7 | 3 days for detassling; 12 hrs for all other activities |
| Corn (sweet and pop) | | | | 3 | 5 | 5 | 3 days for detassling; 12 hrs for all other activities |
| • For corn earworm and sap beetles, treat when 10% of the ears show silk.<br>• Injury may occur in the whorl silk stage. | | | | | | | |
| Chayote fruit | Aphids; pickleworms; spider mites; cut worms; darkling ground beetle; leafhoppers; squash vine borer; thrips | 1.5-2.8 pints | 1.75 | 2 | 7 | 1 | 24 hrs |
| Chayote root | Aphids; pickleworms; spider mites; cut worms; darkling ground beetle; leafhoppers; squash vine borer; thrips | 1.5-2.5 pints | 1.56 | 2 | 7 | 1 | 24 hrs |
| Chestnut | Mites | 1.5-4 pints | 2.5 | 2 | 7 | 2 | 24 hrs |
| • Treat when mites appear in numbers and repeat in 7-10 days.<br>• Do not apply this product within 3 days prior to bloom, during bloom, or until petal fall is complete.<br>• Do not treat after shucks split. | | | | | | | |

*(continued)*

| Crop | Pests Controlled | Rate/Acre | Max. Single App. Rate (lb ai/A) | Max. # of App. per year | Min. App. Interval (days) | Min. Pre-Harvest Interval (days) | Restricted Entry Interval (hrs or days) |
|---|---|---|---|---|---|---|---|
| Cotton | Brown cotton leafworm; cotton aphid; cotton leafworm; cotton leaf perforator; desert spider mite; leafhoppers; lygus bugs; thrips; whiteflies; fall armyworms; garden webworms; grasshoppers<br><br>Boll weevil<br>Cotton fleahoppers<br>Lygus bugs; thrips | 1.5-4 pints<br><br>2-4 pints<br>1-1.5 pints<br>4 pints | 2.5 | 2 | 7 | 7 | 2 days |
| • Use higher rates for larger insects or heavy infestations. | | | | | | | |
| Currant | Rose chafer mites | 2 pints | 1.25 | 2 | 7 | 1 | 12 hrs |
| • Application rates are based on a standard dilution rate of 200 (ground) gallons of water/A. | | | | | | | |
| Dandelion | Aphids | 1.5-2 pints | 1.25 | 2 | 7 | 7 | 24 hrs |
| Eggplant | Aphids; spider mites | 1.6-2.5 pints | 1.56 | 4 | 5 | 3 | 12 hrs |
| Endive (escarole) | Aphids; spider mites | 1.5-2 pints | 1.25 | 2 | 7 | 7 | 24 hrs |
| Figs | Dried fruit beetle; vinegar flies | 3.2 pints or 2.4 pints + 1-2 gal. sulfured molasses | 2.0 or 1.5 | 2 | 5 | 5 | 24 hrs or 12 hrs |
| Garlic | Aphids; thrips | 1.5-2.5 pints | 1.56 | 2 | 7 | 3 | 24 hrs |
| Grains, stored (barley, corn, oats, rye, wheat) | Cereal leaf beetle; confused flour beetle; flat grain beetle; granary weevil; Indian meal moth; lesser grain borer; maize weevil; red flour beetle; rice weevil; rusty grain beetle; saw-toothed grain beetle | Mix 8 pints/ 25 gallons of water. Apply 3 gallons per 1000/ft | 0.6 lb ai/ 1000 ft | 1 per storage period | N/A | N/A | 12 hrs |
| • Do not apply directly to grain.<br>• Before applying spray, clean thoroughly.<br>• Remove and burn all sweeping and debris.<br>• For a residual wall, floor and machinery spray in grain elevators and silos, before loading grain, make a thorough application. | | | | | | | |

*(continued)*

| Crop | Pests Controlled | Rate/Acre | Max. Single App. Rate (lb ai/A) | Max. # of App. per year | Min. App. Interval (days) | Min. Pre-Harvest Interval (days) | Restricted Entry Interval (hrs or days) |
|---|---|---|---|---|---|---|---|
| Grapes (raisin, table, wine)<br><br>Grape Vines (overwintering on nursery stock only) | Leafhoppers; spider mites; European fruit lecanium*; Drosophila; Japanese beetle; terrapin scale<br><br>Mealybugs<br><br>Grape phylloxera | 3 pints<br><br>1.5 pints<br><br>3 pints per 200 gallons | 1.88 | 2 | 14 | 3 | 3 days for girdling and tying<br><br>24 hrs for all other activities |
| • Application rates are based on a standard dilution rate of 200 (ground) gallons of water/A.<br>• Injury may occur on grapes of Almeria, Cardinal, Italia and Ribier varieties when sprays containing Fyfanon® 57% EC are applied after clusters appear.<br>• Remove excess soil from roots and submerge entire root system in the Fyfanon solution for 5 minutes.<br>• Agitate solution at all times.<br>*Make full coverage applications when newly hatched nymphs are migrating over vines, usually shortly after bloom. | | | | | | | |
| Grass, forage, hay (Bermuda, barnyard grass, canary grass, fescue, orchardgrass, red top, timothy, yellow foxtail) | Cereal leaf beetle; aphids; leafhoppers; grasshoppers | 2 pints | 1.25 | 4 | 14 | 0 | 12 hrs |
| Guava | Drosophila | 1.5-2 pints | 1.25 | 13 | 3 | 2 | 12 hrs |
| • Apply with 1 lb. partially hydrolyzed yeast protein or enzymatic yeast hydrolyzate. | | | | | | | |
| Hops | Aphids; spider mites | 1 pint | 0.63 | 2 | 7 | 10 | 12 hrs |
| Horseradish | Aphids; diamondback moth; flea beetles; leafhoppers | 1.5-2 pints | 1.25 | 2 | 7 | 7 | 24 hrs |
| Kale | Aphids; cabbage looper; imported cabbageworm; webworm; diamondback moth | 1.5 pints | 1.0 | 3 | 5 | 7 | 12 hrs |
| Kohlrabi | Aphids; cabbage looper; imported cabbageworm; diamondback moth; webworm; carrot weevil; flea beetle | 1-2 pints | 1.25 | 2 | 7 | 3 | 24 hrs |
| Leek | Aphids<br>Onion maggot flies | 1.5-2.5 pints | 1.56 | 2 | 7 | 3 | 24 hrs |

*(continued)*

| Crop | Pests Controlled | Rate/Acre | Max. Single App. Rate (lb ai/A) | Max. # of App. per year | Min. App. Interval (days) | Min. Pre-Harvest Interval (days) | Restricted Entry Interval (hrs or days) |
|---|---|---|---|---|---|---|---|
| Lespedeza | Alfalfa caterpillars*; Alfalfa weevil larvae**; Grasshoppers; aphids; leafhoppers; lygus bugs | 2 pints | 1.25 | 1 per cutting; Maximum number of applications is 2 per year | 14 | 0 | 12 hrs |
| • Do not apply to Lespedeza in bloom.<br>*Apply when larvae are small.<br>**Apply when day temperature is expected to be above 65° F and when 50-70% of leaves show damage. | | | | | | | |
| Lettuce (head) | Aphids; leafhoppers; | 3 pints | 1.88 | 2 | 6 | 14 | 24 hrs |
| Lettuce (leaf) | Spider mites; cabbage looper | 2.5-3 pints | | 2 | 5 | 14 | |
| Macadamia nut | Green stink bugs | 1.5 pints | 0.94 | 6 | 7 | 1 | 12 hrs |
| • No more than 5.6 lbs. of actual Fyfanon® 57% EC per acre should be applied to macadamia nut trees. | | | | | | | |
| Mango | Drosophila | 1.5 pints | 0.94 | 13 | 7 | 1 | 12 hrs |
| • Apply with 1 lb. partially hydrolyzed yeast protein or enzymatic yeast hydrolyzate. | | | | | | | |
| Melons (other than watermelon) | Aphids; spider mites; cucumber beetles; leaf miners; leafhoppers; pickleworms; squash vine borer | 1.6 pints | 1.0 | 2 | 7 | 1 | 12 hrs |
| Mint | Aphids; flea beetles; leafhoppers; spider mites; caterpillars | 1.5 pints | 0.84 | 2 | 7 | 7 | 12 hrs |
| Mustards (mustard greens; mustard spinach; Chinese mustard mizuna) | Aphids; cabbage looper; imported cabbageworm; webworm; diamondback moth | 1.5 pints | 1.0 | 3 | 5 | 7 | 12 hrs |
| Nectarines | Spider mites; plum curculio<br>Aphids*; Japanese beetles* | 1-2 pints<br>4-4.8 pints | 3.0 | 2 | 7 | 7 | 24 hrs |
| • Application rates are based on a standard dilution rate of 300 (ground) gallons of water/A.<br>• Do not apply this product within 3 days prior to bloom, during bloom, or until petal fall is complete.<br>• Fyfanon® 57% EC may cause fruit spotting on nectarines.<br>*May be mixed with spray oil for dormant and delayed dormant applications. Follow spray oil manufacturer's directions. | | | | | | | |
| Oats | Cereal leaf beetle; English grain aphids; young grasshoppers; greenbugs | 1.5 pints | 1.0 | 2 | 7 | 7 | 12 hrs |
| Okra | Aphids<br>Japanese beetle | 1.5 pints<br>1.9 pints | 1.2 | 4 | 7 | 1 | 12 hrs |

*(continued)*

| Crop | Pests Controlled | Rate/Acre | Max. Single App. Rate (lb ai/A) | Max. # of App. per year | Min. App. Interval (days) | Min. Pre-Harvest Interval (days) | Restricted Entry Interval (hrs or days) |
|---|---|---|---|---|---|---|---|
| Onion (bulb and green) | Onion maggots<br>Onion thrips | 1.5-2.5 pints<br>1.5-2 pints | 1.56 | 2 | 7 | 3 | 12 hrs |
| Papaya | Aphids; mealybugs | 1.5-2 pints | 1.25 | 8 | 3 | 1 | 12 hrs |
| Parsley | Aphids; cabbage looper; imported cabbageworm; diamondback moth; webworm; carrot weevil; flea beetle | 1.5-2.4 pints | 1.5 | 2 | 7 | 7 | 24 hrs |
| Parsnip | Aphids; cabbage looper; imported cabbageworm; diamondback moth; webworm; carrot weevil; flea beetle | 1.5-2 pints | 1.25 | 2 | 7 | 7 | 24 hrs |
| Passion Fruit | Drosophila | 1.5 pints | 1.0 | 13 | 7 | 3 | 12 hrs |
| • Apply with 1 lb. partially hydrolyzed yeast protein or enzymatic yeast hydrolyzate. | | | | | | | |
| Peaches | Black cherry aphid; black peach aphid; European red mite; green peach aphid; rusty plum aphid; Japanese beetle; spider mite<br>Oriental fruit moth; plum curculio; cottony peach scale; European fruit lecanium; terrapin scale | 2.4 pints<br>4.8 pints | 3.0 | 2 | 11 | 7 | 24 hrs |
| • Application rates are based on a standard dilution rate of 300 (ground) gallons of water/A.<br>• Do not apply this product within 3 days prior to bloom, during bloom, or until petal fall is complete.<br>• Do not apply more than 9 lbs. of actual Fyfanon® 57% EC per acre to peach trees. | | | | | | | |
| Pears | Aphids<br>Mealybugs; mites; pear psylla<br>Codling moth; fruittree leafroller; plum curculio; red-banded leafroller | 1 pint<br>1-2 pints<br>2 pints | 1.25 | 2 | 7 | 1 | 12 hrs |
| • Application rates are based on a standard dilution rate of 300 (ground) gallons of water/A.<br>• Do not apply this product within 3 days prior to bloom, during bloom, or until petal fall is complete.<br>• Injury may occur under certain conditions on Bosc pears. | | | | | | | |
| Peas (dried, green) | Pea weevils; aphids | 1.5 pints | 1.0 | 2 | 7 | 3 | 12 hrs |

*(continued)*

| Crop | Pests Controlled | Rate/Acre | Max. Single App. Rate (lb ai/A) | Max. # of App. per year | Min. App. Interval (days) | Min. Pre-Harvest Interval (days) | Restricted Entry Interval (hrs or days) |
|---|---|---|---|---|---|---|---|
| Pecans | Pecan bud moth; aphids; pecan leaf casebearer[2]; spider mites; mites; Pecan phylloxera[1]; Pecan nut casebearer[2]; Walnut husk fly[2] | 1.5-2 pints | 2.5 | 2 | 7 | 7 | 24 hrs |
| • Application rates are based on a standard dilution rate of 500 (ground) gallons of water/A for mature trees 25-35 feet high.<br>• Do not apply this product within 3 days prior to bloom, during bloom, or until petal fall is complete.<br>[1] Apply when buds begin to develop.<br>[2] Apply when first generation eggs begin to hatch. | | | | | | | |
| Peppers | Aphids<br><br>Pepper maggots | 1-2.5 pints<br><br>2.5 pints | 1.56 | 2 | 5 | 3 | 12 hrs |
| Pineapple | Mealybugs | 3.2 pints | 2.0 | 3 | 7 | 0 | 24 hrs |
| Potatoes | Aphids; grasshoppers; leafhoppers<br><br>False chinch bug<br><br>Mealybugs | 2 pints<br><br>1.5 pints<br><br>2-2.5 pints | 1.56 | 2 | 7 | 0 | 12 hrs |
| Pumpkins | Aphids | 1.5 pints | 1.0 | 2 | 7 | 1 | 12 hrs |
| Radish | Aphids | 1.5 pints | 1.0 | 2 | 7 | 7 | 12 hrs |
| Rutabagas | Aphids | 1.5 pints | 1.0 | 2 | 7 | 7 | 12 hrs |
| Rice<br>Rice (wild) | Rice stink bug; rice leaf miner | 2 pints | 1.25 | 2 | 7 | 7 | 12 hrs |
| • Treat for leafminers shortly after first rice blades appear on surface of the water.<br>• For leafminers, apply when the eggs and larvae are abundant on the seedling rice.<br>• Apply during early milk and dough stage using a minimum of 2 (aerial) gallons of water/A.<br>• Do not apply Propanil within 15 days of malathion treatment.<br>• A 24-hour holding time is required before floodwaters may be released after treatment to rice.<br>**NOTE FOR AQUATIC USES (rice)**: Broadcast use only over intermittently flooded areas. Application may not be made around bodies of water where fish or shellfish are grown and/or harvested. | | | | | | | |
| Rye | Cereal leaf beetle<br><br>English grain aphids; young grasshoppers; greenbugs | 1-1.5 pints<br><br>1.5 pints | 1.0 | 2 | 7 | 7 | 12 hrs |
| Salsify | Aphids; imported cabbage worm; cabbage looper; carrot weevil; flea beetles; leafhoppers; spider mites; thrips | 1-2 pints | 1.25 | 2 | 7 | 7 | 24 hrs |
| Shallot | Aphids; thrips | 2.5 pints | 1.56 | 2 | 7 | 3 | 24 hrs |
| Sorghum | Greenbugs | 1.5 pints | 1.0 | 2 | 7 | 7 | 12 hrs |
| Spinach | Aphids | 1.5 pints | 1.0 | 2 | 7 | 7 | 12 hrs |
| Squash, summer | Aphids; cucumber beetle; leaf miners; pickleworms; spider mites; cut worms; darkling ground beetle; leafhoppers; squash vine borer; thrips | 2.8 pints | 1.75 | 3 | 7 | 1 | 24 hrs |
| Squash, winter | Aphids | 1.5 pints | 1.0 | 3 | 7 | 1 | 12 hrs |

*(continued)*

| Crop | Pests Controlled | Rate/Acre | Max. Single App. Rate (lb ai/A) | Max. # of App. per year | Min. App. Interval (days) | Min. Pre-Harvest Interval (days) | Restricted Entry Interval (hrs or days) |
|---|---|---|---|---|---|---|---|
| Squash, winter | Aphids | 1.5 pints | 1.0 | 3 | 7 | 1 | 12 hrs |
| Strawberry | Aphids; spider mites; Field crickets; lygus bugs; spittle bugs; thrips; potato leafhopper; strawberry leafroller; strawberry root weevil; white flies | 1.5-3.2 pints | 2.0 | 4 | 7 | 3 | 12 hrs |
| Sweet Potatoes | Leafhoppers;<br>Morningglory leaf miner | 1.5-2.5 pints | 1.56 | 2 | 7 | 0 | 12 hrs |
| Swiss chard | Aphids | 1.5 pints | 1.0 | 2 | 7 | 14 | 12 hrs |
| Tomatoes, Tomatillos | Aphids; spider mites;<br>Drosophila | 1.5 pints<br>2.5 pints | 1.56 | 4 | 5 | 1 | 12 hrs |
| • Do not apply within 1 day of harvest.<br>• Apply a full coverage application to fruit and foliage. | | | | | | | |
| Trefoil (birdsfoot) | Alfalfa weevil larvae; aphids; grasshoppers; lygus bugs; potato leaf hoppers; spider mites; spittlebugs; stink bugs; pea aphid<br><br>Armyworms<br>Clover leaf weevil<br>Vetch bruchid | 1-2 pints<br><br>2 pints<br>1.5 pints<br>2 pints | 1.25 | 1 per cutting; Maximum number of applications is 2 per year | 14 | 0 | 12 hrs |
| Turnips | Aphids; cabbage loopers; imported cabbageworm; carrot weevil | 1-2 pints | 1.25 | 2 | 5 days for turnip greens<br>7 days for turnip root | 1 | 12 hrs |
| Vetch | Alfalfa weevil larvae; aphids; armyworms; clover leaf weevil; grasshoppers; lygus bugs; pea aphid; potato leaf hoppers; spider mites; spittlebugs; vetch bruchid; omnivorous leaf tier | 1-2 pints | 1.25 | 1 per cutting; Maximum number of applications is 2 per year | 14 | 0 | 12 hrs |
| Walnuts | Aphids; European red mites; walnut aphid; walnut husk fly | 4 pints | 2.5 | 3 | 7 | 7 | 24 hrs |
| • Applications may be made using conventional ground sprayer or air-carrier type sprayer (500 gallons of water/A). | | | | | | | |
| Watercress | Aphids | 1.6-2 pints | 1.0<br>or<br>1.25 | 5 | 3 | 3 | 12 hrs<br>or<br>24 hrs |
| • Do not apply when water is on the field.<br>• Do not irrigate until 24 hours after application. | | | | | | | |
| Watermelons | Aphids | 1.5 pints | 1.0 | 2 | 7 | 1 | 12 hrs |
| Wheat (Spring and Winter) | Cereal leaf beetle<br><br>English grain aphids; young grasshoppers; greenbugs | 1-1.5 pints<br><br>1.5 pints | 1.0 | 2 | 7 | 7 | 12 hrs |
| Yams | Leafhoppers | 1.5-2.5 pints | 1.56 | 2 | 7 | 0 | 24 hrs |

## NON-AGRICULTURAL USE SITES

| Site | FL OZ./Acre | Max. Single App. Rate | Use Pattern Limitations | Restricted Entry Interval (hours) |
|---|---|---|---|---|
| Christmas tree plantations | 82 | 3.2 lb ai/A | Maximum of 2 applications per year | 12 hrs |
| Restrictions on Christmas Tree Plantations and Nurseries:<br>• Aerial application is prohibited.<br>• Do not apply more than two applications per year.<br>• Minimum retreatment interval is 7 days. | | | | |
| Fence rows/hedge rows* | 6 | 0.0054 lb. ai/1000 $ft^2$ | | |
| *Uncultivated areas and fence rows/hedge row agricultural uses and Non-agricultural right of way/hedgerow uses are limited to State and Federal Programs only. | | | | |
| Ornamental and/or shade trees | 64 | 2.5 lbs ai/100 gal | Maximum of 2 applications per year; 10 day minimum re-treatment interval | 12 hrs |
| Ornamental herbaceous plants | 64 | 2.5 lbs ai/100 gal | Maximum of 2 applications per year; 10 day minimum re-treatment interval | 12 hrs |
| Ornamental non-flowering plants | 64 | 2.5 lbs ai/100 gal | Maximum of 2 applications per year; 10 day minimum re-treatment interval | 12 hrs |
| Ornamental woody shrubs and vines | 64 | 2.5 lbs ai/100 gal | Maximum of 2 applications per year/growing cycle; 10 day minimum re-treatment interval | 12 hrs |
| Restrictions on Commercial Nurseries for Ornamental Plants, Vines, Shrubs and Ornamental/Shade Trees<br>• Aerial application is prohibited.<br>• Do not apply more than two applications per year.<br>• Minimum retreatment interval is 10 days. | | | | |
| Pine seed orchards | 82 | 3.2 lbs ai/A | Maximum of 2 applications per year/growing season; 7 day minimum re-treatment interval | 12 hrs |
| Restriction for Pine Seed Orchard Use<br>• For use in slash pine seed orchards in Alabama, Florida, Georgia, Louisiana, Mississippi, North Carolina, South Carolina and Texas only.<br>• Malathion may be used to control thrips from mid-December to mid-March.<br>• Do not apply more than two applications per year.<br>• Minimum retreatment interval is 7 days.<br>• Do not apply by ground within 25 feet or by air within 50 feet of aquatic habitats (such as, but not limited to, lakes, reservoirs, rivers, permanent streams, wetlands or natural ponds, estuaries, and commercial fish farm ponds).<br>• For airblast applications, user must turn off outward pointing nozzles at row ends and when spraying outer row.<br>•For aerial applications, do not release spray at a height greater than 10 ft above the ground or vegetative canopy, unless a greater application height is necessary for pilot safety. Applicators must use ½ swath displacement upwind at the downwind edge of the field.<br>•Do not apply when the wind speed is greater than 10 mph.<br>•Applicators are required to select the nozzle and pressure that deliver medium or coarser droplets (per ASABE S572 for ground and ASABE S641 for aerial).<br>•Do not apply during temperature inversions. | | | | |

## FLY CONTROL

**Fly control:** For use on the lower outside foundation of farm buildings and structures where livestock are maintained and flies congregate and breed.

| Pest Controlled | Rate | Directions for Use |
|---|---|---|
| Adult flies | Straight sprays:<br>5 tablespoons + 1 gallon water<br>or<br>1 cup + 2.5 gallon water<br>or<br>1 quart + 12 gallon water | Apply as a spray at the rate of 1 gallon per 1,000 sq. ft. on painted surfaces and 2 gallons per 1,000 sq. ft. on unpainted surfaces where flies alight or congregate. |
| Adult flies<br>Fly maggots | Bait sprays:<br>5 tablespoons + 7 tablespoons sugar or molasses (unsulfurized) or corn syrup + 2.5 gallon water<br>or<br>1 cup + 1 cup sugar or molasses (unsulfurized) or corn syrup + 2.5 gallon water<br>or<br>1 quart + 2.5 lbs. sugar or 1 quart molasses (unsulfurized) or 1 quart corn syrup + 12 gallons water | Apply as a bait spray. Do not apply to freshly whitewashed surfaces. Wait 14 days after whitewashing before applying. |
| Repeat applications as necessary. Avoid applying oil-based formulations to valuable ornamental plants as injury may occur. | | |

**SL-4724A 040523 08-23-23**

## Conditions of Sale and Limitation of Warranty and Liability:

**NOTICE:** Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Directions for Use of this product must be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness, or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions beyond the control of FMC or Seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold FMC and Seller harmless for any claims relating to such factors.

**Seller warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the Directions for Use when used in accordance with the directions under normal conditions of use. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, FMC MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE, NOR ANY OTHER EXPRESS OR IMPLIED WARRANTIES WITH RESPECT TO THE SELECTION, PURCHASE, OR USE OF THIS PRODUCT. Any warranties, express or implied, having been made are inapplicable if this product has been used contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to (or beyond the control of) Seller or FMC, and Buyer assumes the risk of any such use.**

To the extent consistent with applicable law, FMC or Seller shall not be liable for any incidental, consequential or special damages resulting from the use or handling of this product. TO THE EXTENT

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