



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

August 23, 2023

Anna Hale
Registration Manager
Drexel Chemical Company
P.O. Box 13327
Memphis, TN 38113-0327

Subject: Registration Review Label Amendments Incorporating Mitigation from the Fish and Wildlife Services (FWS) and the National Marine Fisheries Services (NMFS) Biological Opinions on the Effects of Malathion on Endangered and Threatened Species and Designated Critical Habitat
Product Name: Drexel Malathion 5EC
EPA Registration Number: 19713-217
Application Dates: 4/29/2022 and 7/25/2022
Decision Numbers: 584315 and 589932

Dear Anna Hale:

The Agency, in accordance with the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, has completed reviewing all the information submitted with your application to support the Registration Review of the above referenced product in connection with the FWS and NMFS' Biological Opinions on the effects of malathion on federally listed endangered and threatened species and designated critical habitat in accordance with section 7 of the Endangered Species Act (ESA) of 1973, as amended (16 U.S.C. 1531 et seq.). The Agency has concluded that your submission is acceptable. The label referred to above, submitted in connection with registration under FIFRA, as amended, is acceptable.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40

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CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 12 months from the date of this letter. After 12 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

If you have any questions, please contact Carolyn Smith by phone at (202) 566-2273 or via email at smith.carolyn@epa.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "Kelly Sherman", with a stylized flourish at the end.

Kelly Sherman
Chief, Risk Management Implementation Branch 3
Pesticide Re-evaluation Division
Office of Pesticide Programs

Enclosure

SUBLABEL A :
AGRICULTURAL USE LABEL



Malathion 5EC

Insecticide / Miticide

ACTIVE INGREDIENT:

Malathion 57.0%

OTHER INGREDIENTS: 43.0%

TOTAL: 100.0%

This product contains 5 pounds of Malathion per gallon.
 Contains petroleum distillate.

KEEP OUT OF REACH OF CHILDREN WARNING / AVISO

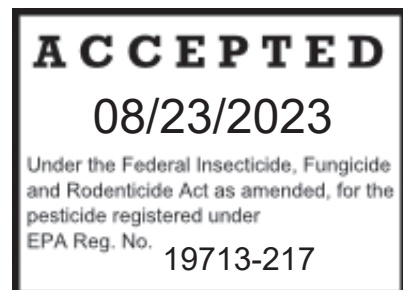
Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

See FIRST AID Below

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EPA Est. No. 19713-XX-XXX

Net Content: _____

FIRST AID
<p>IF IN EYES:</p> <ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
<p>IF SWALLOWED:</p> <ul style="list-style-type: none"> • Immediately call a poison control center or doctor for treatment advice. • 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.
<p>IF ON SKIN OR CLOTHING:</p> <ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 to 20 minutes. • Call a poison control center or doctor for treatment advice.
<p>Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also call CHEMTREC at 800-424-9300 for emergency.</p>
<p>NOTE TO PHYSICIAN: This product is a cholinesterase inhibitor. Atropine is antidotal. 2-PAM may be effective as an adjunct to atropine. Malathion is an organophosphate. Contains petroleum distillate. May pose an aspiration pneumonia hazard.</p>



217MSP-0816*

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND 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. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

For All Formulations and Use Patterns - Mixers, loaders, applicators, flaggers and other handlers must wear: Long-sleeved shirt and long pants, chemical-resistant gloves made of barrier laminate or viton \geq 14 mils (pilots must wear chemical-resistant gloves only when entering or exiting the aircraft), shoes plus socks, and protective eyewear such as safety glasses, face shield, or goggles.

For All Dip Applications – Mixers, loaders, and applicators must wear: Long-sleeved shirt, long pants, shoes and socks, chemical resistant gloves made of barrier laminate or viton \geq 14 mils, chemical resistant apron, and protective eyewear such as safety glasses, face shield, or goggles.

For All Airblast Applications - Applicators must wear: Long-sleeved shirt and long pants, shoes plus socks, chemical-resistant gloves made of barrier laminate or viton \geq 14 mils (pilots must wear chemical-resistant gloves only when entering or exiting the aircraft), chemical-resistant apron, and protective eyewear (goggles, safety glasses or faceshield).

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/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS

Users should: 1) Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. 2) Remove clothing/PPE 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.

ENGINEERING CONTROLS

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

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.

Reporting Ecological Incidents: To report ecological incidents, including mortality, injury, or harm to plants and animals, call (901)774-4370.

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.

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. Runoff of this product will be reduced by avoiding applications when rainfall is forecasted to occur within 48 hours.

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.

This pesticide is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds while bees are actively foraging the treatment area.

(For packaging in 5 gallons or more): Do not discharge effluent containing this product into lakes, streams, ponds, estuarines, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination Systems (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.

PHYSICAL OR CHEMICAL HAZARDS

Combustible: Do not use or store near heat or open flame.

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 through any type of irrigation system. 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.

See separate directions and precautions for mosquito control applications.

For outdoor use only.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard (WPS), 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 (REI). The requirements in this box only apply to uses of this product that are covered by the WPS.

Do not enter or allow worker entry into treated areas during the 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 WPS and that involves contact with anything that has been treated, such as plants, soil or water is: Coveralls, chemical-resistant gloves made of barrier laminate or viton \geq 14 mils, and 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 (WPS) 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.

Endangered Species Protection Requirements:

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 (901)774-4370.

RESISTANCE MANAGEMENT RECOMMENDATIONS

MALATHION	GROUP	1B	INSECTICIDE
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For resistance management, MALATHION 5EC contains a Group 1B insecticide or acaricide. Any insect/mite population may contain individuals naturally resistant to this product and other Group 1B insecticides/acaricides. The resistant individuals may dominate the insect/mite 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 this product 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):
 - 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.
 - Mixtures with components having the same IRAC mode of action classification are not recommended for insect resistance management.
 - When using mixtures, consider any known cross-resistance issues between the individual components for the targeted pest(s).
 - Mixtures become less effective if resistance is already developing to one or both active ingredients, but they may still provide pest management benefits.
 - 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 insecticides/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 advisor 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 Drexel Chemical Company at 1-901-774-4370.

PRECAUTIONS AND RESTRICTIONS

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

This product is not for use against mosquitoes in the State of New York.

MANDATORY SRPAY DRIFT MANAGEMENT

Non-Ultra Low Volume (ULV) 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 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 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.

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.

Non-ULV 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.

Non-ULV 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.

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.

Droplet Size

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. For groundboom and aerial applications, use only medium or coarser spray nozzles according to ASAE (S572) definition for standard nozzles, or a volume mean diameter (VMD) of 300 microns or greater for spinning atomizer nozzles. In conditions of low humidity and high temperatures, applicators should use a coarser droplet size.

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.

Additional Requirements for Ground Applications

For groundboom applications, apply with nozzle height no more than 4 feet above the ground or crop canopy.

For airblast applications, turn off outward pointing nozzles at row ends and when spraying the outer two rows.

To minimize spray loss over the top in orchard applications, spray must be directed into the canopy.

Additional Requirements for Aerial Applications

Mist blowers and boom sprayers utilizing a controlled air flow to facilitate particle size any 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 2,600 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 to 100 microns.

Buffer Zones for Aerial Application

When making a non-ULV application with aerial application equipment, a minimum buffer zone of 25 feet must be maintained along any water body.

APPLICATION THROUGH IRRIGATION SYSTEMS (CHEMIGATION)

Apply this product only through sprinkler, including center pivot, lateral move, end tow, side (wheel) roll, traveler, big gun, solid set, or hand move, or drip irrigation systems. Do not apply this product through any other type of irrigation system.

Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform distribution of treated water. If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts.

Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the pesticide label prescribed safety devices for public water systems are in place.

A person knowledgeable of the chemigation system and responsible for its operation or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

Mix in clean supply tank the specified amount of this product for acreage to be covered, and needed quantity of water.

This product should not be tank-mixed with other pesticides, surfactants or fertilizers unless prior use has shown the combination non-injurious under your conditions of use. Follow precautionary statements and directions for all tank-mix products.

On all crops, use sufficient gallonage of water to obtain thorough and uniform coverage, but not cause runoff or excessive leaching. This will vary depending on equipment, pest problem and stage of crop growth. Application of more or less than optimal quantity of water may result in decreased chemical performance, crop injury or illegal pesticide residues.

Meter this product into the irrigation water uniformly during the period of operation. Do not overlap application. Follow specified label rates, application timing, and other directions and precautions for crop being treated. Continuous mild agitation of pesticide mixture may be needed to assure, a uniform application, particularly if the supply tank requires a number of hours to empty.

Do not apply when wind speed favors drift beyond the area intended for treatment.

Chemigation Systems Connected to Public Water Systems

Drexel Chemical Company does not encourage connecting chemigation systems to public water supplies. The following information is provided for users who have diligently considered all other application and water supply options before electing to make such a connection.

Public water systems means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of a least 25 individuals daily at least 60 days out of the year. Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone, backflow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the flow outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.

The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection.

The pesticide injection pipeline must contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shutdown.

The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops, or in cases where there is no water pump, when the water pressure decreases to the point where pesticide distribution is adversely affected.

Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock. Do not apply when wind speed favors drift beyond the area intended for treatment.

Sprinkler Chemigation

The system must contain a functional check valve, vacuum relief valve and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.

The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops. The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.

Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

Do not apply when wind speed favors drift beyond the area intended for treatment.

Drip Chemigation

The system must contain a functional check valve, vacuum relief valve and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.

The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.

The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops. The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.

Systems must use a metering pump such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

MIXING PROCEDURES

Fill the spray tank at least three-fourths full with water before this product 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 two more times.

PHI = Pre-Harvest Interval

REI = Restricted Entry Interval

AGRICULTURAL USES

Apply this product using a minimum of 10 gallons of water per acre by ground equipment or using minimum of 2 gallons of water per acre by air equipment unless otherwise specified. Best results are obtained with uniform coverage. Use higher rate when insect pressure is heavy.

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.

State and Federal Programs limiting use on the following sites to states and federal programs only:
 Agricultural, uncultivated areas and fence rows/hedge rows.
 Non-agricultural right of way/hedgerows.

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.

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>.

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.

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://upic.orst.edu/reg/state_agencies.html.

VEGETABLES

Vegetable Crop	Pest Controlled	Rate Per Acre	PHI (Days)
Asparagus (REI = 12 hrs.)	Asparagus aphids, Asparagus beetles	2 pts.	6
	Thrips	1.5 to 2 pts.	
USE RESTRICTIONS: The maximum application rate is 1.25 pounds a.i. (2 pints of this product) per acre; Maximum number of application per year is 2; Minimum retreatment interval is 7 days.			
Beets (Garden including Tops) (REI = 12 hrs.)	Aphids, Leafhoppers	1.5 to 2 pts.	7
	SPECIFIC DIRECTIONS: Do not apply within 7 days of harvest if tops are to be used as food or feed.		
USE RESTRICTIONS: The maximum application rate is 1.25 pounds a.i. (2 pints of this product) per acre; the maximum number of application per year is 2; the minimum retreatment interval is 7 days. DO NOT apply to Sugarbeets.			
Broccoli, Chinese broccoli, Broccoli raab (REI = 48 hrs.)	Aphids, Cabbage loopers, Carrot weevils, Flea beetles, Imported cabbageworms	1 to 2 pts.	2
USE RESTRICTIONS: The maximum application rate is 1.25 pounds a.i. (2 pints of this product) per acre; the maximum number of applications per year is 2; and the minimum retreatment interval is 7 days.			

Brussel sprouts (REI = 48 hrs.)	Aphids, Cabbage loopers, Carrot weevils, Flea beetles, Imported cabbageworms	1 to 2 pts.	2
USE RESTRICTIONS: The maximum application rate is 1.25 pounds a.i. (2 pints of this product) per acre; the maximum number of applications per year is 2; and the minimum retreatment interval is 7 days.			
Cabbage, Chinese cabbage (REI = 48 hrs.)	Aphids, Cabbage loopers, Carrot weevils, Diamondback moth, Flea beetles, Imported cabbageworms, Webworm	1 to 2 pts.	7
SPECIFIC DIRECTIONS: For Caterpillars on Summer and Fall plantings, begin when true leaves appear. On other plantings and for other insects, begin application when insects appear.			
USE RESTRICTIONS: The maximum application rate is 1.25 pounds a.i. (2 pints of this product) per acre; the maximum number of applications per year is 3; and the minimum retreatment interval is 7 days.			
Carrots (REI = 24 hrs.)	Aphids, Leafhoppers	1.5 to 2 pts.	1
USE RESTRICTIONS: The maximum application rate is 1.25 pounds a.i. (2 pints of this product) per acre; the maximum number of applications per year is 2; and the minimum retreatment interval is 7 days.			
Cauliflower (REI = 48 hrs.)	Aphids, Cabbage loopers, Carrot weevils, Diamondback moth, Flea beetles, Imported cabbageworms, Webworm	1 to 2 pts.	2
USE RESTRICTIONS: The maximum application rate is 1.25 pounds a.i. (2 pints of this product) per acre; the maximum number of applications per year is 2; and the minimum retreatment interval is 7 days.			
Chayote fruits (REI = 24 hrs.)	Aphids, Cut worms, Darkling ground beetles, Leafhoppers, Pickleworms, Spider mites, Squash vine borers, Thrips	1.5 to 2.8 pts.	1
USE RESTRICTIONS: The maximum application rate is 1.75 pounds a.i. (2.8 pints of this product) per acre; the maximum number of applications per year is 2; and the minimum retreatment interval is 7 days.			
Chayote roots (REI = 24 hrs.)	Aphids, Cut worms, Darkling ground beetles, Leafhoppers, Pickleworms, Spider mites, Squash vine borers, Thrips	1.5 to 2.5 pts.	1
USE RESTRICTIONS: The maximum application rate is 1.56 pounds a.i. (2.5 pints of this product) per acre; the maximum number of applications per year is 2; and the minimum retreatment interval is 7 days.			
Celery (REI = 24 hrs.)	Aphids, Spider mites	2.4 pts.	7
USE RESTRICTIONS: The maximum application rate is 1.5 pounds a.i. (2.4 pints of this product) per acre; the maximum number of applications per year is 2; and the minimum retreatment interval is 7 days.			
Collards (REI = 12 hrs.)	Aphids, Harlequin cabbage bug, Leafhoppers, Leafminers, Smaller cabbage looper	1.5 pts.	7
USE RESTRICTIONS: The maximum application rate is 1 pound a.i. (1.6 pints of this product) per acre; the maximum number of applications per year is 3; and the minimum retreatment interval is 7 days.			
Cucumbers (REI = 24 hrs.)	Aphids, Cucumber beetles, Cut worms, Darkling ground beetles, Leafhoppers, Leafminers, Pickleworms, Spider mites, Squash vine borers, Thrips	1.5 to 2.8 pts.	1
USE RESTRICTIONS: The maximum application rate is 1.75 pounds a.i. (2.8 pints of this product) per acre; the maximum number of applications per year is 2; and the minimum retreatment interval is 7 days.			
Dandelions, (REI = 24 hrs.)	Aphids	1.5 to 2 pts.	7
USE RESTRICTIONS: The maximum application rate is 1.25 pounds a.i. (2 pints of this product) per acre; the maximum number of applications per year is 2; and the minimum retreatment interval is 7 days.			
Eggplant (REI = 12 hrs.)	Aphids, Lace bugs, Spider mites	1.5 to 2.5 pts.	3
USE RESTRICTIONS: The maximum application rate is 1.56 pounds a.i. (2.5 pints of this product) per acre; the maximum number of applications per year is 4; and the minimum retreatment interval is 5 days.			
Endive (Escarole) (REI = 24 hrs.)	Aphids, Spider mites	1.5 to 2 pts.	7

USE RESTRICTIONS: The maximum application rate is 1.25 pounds a.i. (2 pints of this product) per acre; the maximum number of applications per year is 2; and the minimum retreatment interval is 7 days.			
Garlic, Shallots (REI = 24 hrs.)	Aphids, Thrips	1.5 to 2.5 pts.	3
USE RESTRICTIONS: The maximum application rate is 1.56 pounds a.i. (2.5 pints of this product) per acre; the maximum number of applications per year is 2 for Garlic and 2 for Shallots; and the minimum retreatment interval is 7 days.			
Horseradish (REI = 24 hrs.)	Aphids, Diamondback moth, Flea beetles, Leafhoppers	1.5 to 2 pts.	7
USE RESTRICTIONS: The maximum application rate is 1.25 pounds a.i. (2 pints of this product) per acre; the maximum number of applications per year is 2; and the minimum retreatment interval is 7 days.			
Kale (REI = 12 hrs.)	Aphids, Cabbage loopers, Imported cabbageworms	1 to 1.6 pts.	7
	Diamondback moth, Webworms	1.6 pts.	
USE RESTRICTIONS: The maximum application rate is 1 pound a.i. (1.6 pints of this product) per acre; the maximum number of applications per year is 3; and the minimum retreatment interval is 5 days.			
Kohlrabi (REI = 24 hrs.)	Aphids, Cabbage loopers, Carrot weevils, Diamondback moth, Flea beetles, Imported cabbageworms, Webworms	1 to 2 pts.	3
USE RESTRICTIONS: The maximum application rate is 1.25 pound a.i. (2 pints of this product) per acre; the maximum number of applications per year is 2; and the minimum retreatment interval is 7 days.			
Leek (REI = 24 hrs.)	Aphids, Onion maggots, Thrips	1.5 to 2.5 pts.	3
USE RESTRICTIONS: The maximum application rate is 1.56 pounds a.i. (2.5 pints of this product) per acre; the maximum number of applications per year is 2; and the minimum retreatment interval is 7 days.			
Lettuce (Head, Leaf) (REI = 24 hrs.)	Aphids; Leafhoppers	2 to 3 pts.	14
	Cabbage loopers, Spider mites	2.5 to 3 pts.	
USE RESTRICTIONS: The maximum application rate is 1.88 pounds a.i. (3 pints of this product) per acre; the maximum number of applications per year is 2; and the minimum retreatment interval is 5 days for leaf and 6 days for head lettuce.			
Mushrooms (REI = 12 hrs.)	Mites, Phorid flies, Sciarid flies	2.7 pts./A or 1 fl. oz. per 1,000 sq. ft. of bed	1
	SPECIFIC DIRECTIONS: Make thorough applications as soon as possible after picking. Repeat application as necessary at 3 day intervals for a maximum of 4 applications.		
USE RESTRICTIONS: The maximum application rate is 1.7 pounds a.i. (2.7 pints of this product) per acre (1 fl. oz. per 1,000 sq. ft. of bed); the maximum number of applications per year is 4; and the minimum retreatment interval is 3 days.			
Mustards (mustard green, mustard spinach, Chinese mustard, Mizuna) (REI = 12 hrs.)	Aphids, Cabbage loopers, Diamondback moth, Imported cabbageworms, Flea beetles, Webworms	1.6 pts.	7
USE RESTRICTIONS: The maximum application rate is 1 pound a.i. (1.6 pints of this product) per acre; the maximum number of applications per year is 3; and the minimum retreatment interval is 5 days.			
Okra (REI = 12 hrs.)	Aphids	1.5 pts.	1
	Japanese beetles	1.9 pts.	
USE RESTRICTIONS: The maximum application rate is 1.2 pounds a.i. (1.9 pints of this product) per acre; the maximum number of applications per year is 4; and the minimum retreatment interval is 7 days.			
Onions (Bulb, Green) (REI = 12 hrs.)	Onion maggots	1.5 to 2.5 pts.	3
	Onion thrips	1.5 to 2 pts.	

USE RESTRICTIONS: The maximum application rate is 1.56 pounds a.i. (2.5 pints of this product) per acre; the maximum number of applications per year is 2; and the minimum retreatment interval is 7 days.			
Parsley (REI = 24 hours)	Aphids, Cabbage loopers, Carrot weevils, Diamondback moth, Flea beetles, Imported cabbageworms, Webworm	1.5 to 2.4 pts.	7
USE RESTRICTIONS: The maximum application rate is 1.5 pounds a.i. (2.4 pints of this product) per acre; the maximum number of applications per year is 2; and the minimum retreatment interval is 7 days.			
Parsnips (REI = 24 hrs.)	Aphids, Cabbage loopers, Carrot weevils, Diamondback moth, Flea beetles, Imported cabbageworms, Webworm	1.5 to 2 pts.	7
USE RESTRICTIONS: The maximum application rate is 1.25 pounds a.i. (2 pints of this product) per acre; the maximum number of applications per year is 3; and the minimum retreatment interval is 7 days.			
Peas (Dry, Succulent) (REI = 12 hrs.)	Aphids, Grasshoppers, Pea weevils	1.6 pts.	3
	Leafhoppers	1.25 to 1.6 pts.	
USE RESTRICTIONS: The maximum application rate is 1 pound a.i. (1.6 pints of this product) per acre; the maximum number of applications per year is 2; and the minimum retreatment interval is 7 days.			
Peppermint, Spearmint (REI = 12 hrs.)	Aphids, Caterpillars, Flea beetles, Leafhoppers, Spider mites	1.5 pts.	7
USE RESTRICTIONS: The maximum application rate is 0.84 pound a.i. (1.5 pints of this product) per acre; the maximum number of applications per year is 2; and the minimum retreatment interval is 7 days.			
Peppers (REI = 12 hrs.)	Aphids	1 to 2.5 pts.	3
	Pepper maggots	2.5 pts.	
USE RESTRICTIONS: The maximum application rate is 1.56 pound a.i. (2.5 pints of this product) per acre; the maximum number of applications per year is 2; and the minimum retreatment interval is 5 days.			
Potatoes (REI = 12 hrs.)	Aphids, Grasshoppers, Leafhoppers	2 pts.	0
	False chinch bugs	1.5 pts.	
	Mealybugs	2 to 2.5 pts.	
USE RESTRICTIONS: The maximum application rate is 1.56 pounds a.i. (2.5 pints of this product) per acre; the maximum number of applications per year is 2; and the minimum retreatment interval is 7 days.			
Pumpkin (REI = 12 hrs.)	Aphids, Cucumber beetles, Leafhoppers, Pickleworms, Spider mites, Squash vine borer	1.5 pts.	1
USE RESTRICTIONS: The maximum application rate is 1 pound a.i. (1.6 pints of this product) per acre; the maximum number of applications per year is 2; and the minimum retreatment interval is 7 days.			
Radish (REI = 12 hrs.)	Aphids	1.5 pts.	7
USE RESTRICTIONS: The maximum application rate is 1 pound a.i. (1.6 pints of this product) per acre; the maximum number of applications per year is 2; and the minimum retreatment interval is 7 days.			
Rutabagas (REI = 12 hrs.)	Aphids	1.5 pts.	7
USE RESTRICTIONS: The maximum application rate is 1 pound a.i. (1.6 pints of this product) per acre; the maximum number of applications per year is 2; and the minimum retreatment interval is 7 days.			
Salsify (REI = 24 hrs.)	Aphids, Cabbage loopers, Carrot weevils, Flea beetles, Imported cabbageworms, Leafhoppers, Spider mites, Thrips	1 to 2 pts.	7
USE RESTRICTIONS: The maximum application rate is 1.25 pounds a.i. (2 pints of this product) per acre; the maximum number of applications per year is 2; and the minimum retreatment interval is 7 days.			
Spinach (REI = 12 hrs.)	Aphids, Leafhoppers	1.6 pts.	7
USE RESTRICTIONS: The maximum application rate is 1 pound a.i. (1.6 pints of this product) per acre; the maximum number of applications per year is 2; and the minimum retreatment interval is 7 days.			

Squash (Summer) (REI = 24 hrs.)	Aphids, Cucumber beetles, Cutworms, Darkling ground beetles, Leafhoppers, Leafminers, Pickleworms, Spider mites, Squash vine borer, Thrips	2 to 2.8 pts.	1
USE RESTRICTIONS: The maximum application rate is 1.75 pound a.i. (2.8 pints of this product) per acre; the maximum number of applications per year is 3; and the minimum retreatment interval is 7 days.			
Squash (Winter) (REI = 12 hrs.)	Aphids, Cucumber beetles, Leafminers, Pickleworms, Spider mites, Squash vine borer	1.6 pts.	1
USE RESTRICTIONS: The maximum application rate is 1 pound a.i. (1.6 pints of this product) per acre; the maximum number of applications per year is 3; and the minimum retreatment interval is 7 days.			
Sweet potatoes (REI = 12 hrs.)	Leafhoppers, Morningglory leafminer	1.5 to 2.5 pts.	0
USE RESTRICTIONS: The maximum application rate is 1.56 pound a.i. (2.5 pints of this product) per acre; the maximum number of applications per year is 2; and the minimum retreatment interval is 7 days.			
Swiss chard (REI = 12 hrs.)	Aphids	1.6 pts.	14
USE RESTRICTIONS: The maximum application rate is 1 pound a.i. (1.6 pints of this product) per acre; the maximum number of applications per year is 2; and the minimum retreatment interval is 7 days.			
Tomatoes, Tomatillos (REI = 12 hrs.)	Aphids, Spider mites	1.5 pts.	1
	Armyworms, Drosophila, Fruitworms (CA only)	2.5 pts.	
USE RESTRICTIONS: The maximum application rate is 1.56 pounds a.i. (2.5 pints of this product) per acre; the maximum number of applications per year is 4; and the minimum retreatment interval is 5 days.			
Turnips (Greens, Roots) (REI = 12 hrs.)	Aphids, Cabbage loopers, Carrot weevils, Imported cabbageworms	1 to 2 pts.	1
USE RESTRICTIONS: The maximum application rate is 1.25 pounds a.i. (2 pints of this product) per acre; the maximum number of applications per year is 2; minimum retreatment interval is 5 days for turnip greens and 7 days for turnip roots.			
Watercress (REI = 12 hrs.)* (REI = 24 hrs.)*	Aphids	1.6 pts.*	3
		(2 pts.)*	
USE RESTRICTIONS: *The REI is 12 hours if applied at the maximum rate of 1 pound a.i. (1.6 pints of this product) per acre. The REI is increased to 24 hours if applied at the maximum rate of 1.25 pounds a.i. (2 pints of this product) per acre. The maximum number of applications per year is 5 and the minimum retreatment interval is 3 days. Do not apply when water is on the field. Do not irrigate until 24 hours after application.			
Yam (REI = 24 hrs.)	Leafhoppers	1.5 to 2.5 pts.	0
USE RESTRICTIONS: The maximum application rate is 1.56 pounds a.i. (2.5 pints of this product) per acre; the maximum number of applications per year is 2; and the minimum retreatment interval is 7 days.			

FRUIT AND NUT CROPS

Do not apply this product within 3 days prior to bloom, during bloom, or until petal fall is complete.

Fruit and Nut Crops	Pest Controlled	Rate Per Acre	PHI (Days)
Apricots (REI = 12 hrs.)	Aphids, Codling moths, European fruit lecaniums, Orange tortrix, Soft brown scales, Terrapin scales	2 pts.	6
USE RESTRICTIONS: The maximum application rate is 1.5 pounds a.i. (2.4 pints of this product) per acre; the maximum number of applications per year is 2; and the minimum retreatment interval is 7 days. Do not apply this product within 3 days prior to bloom, during bloom, or until petal fall is complete.			
Avocado (REI = 48 hrs.)	Greenhouse thrips, Latania scales, Omnivorous loopers, Orange tortrix, Soft brown scales	7.5 pts.	7

USE RESTRICTIONS: The maximum application rate is 4.7 pounds a.i. (7.5 pints of this product) per acre; the maximum number of applications per year is 2; and the minimum retreatment interval is 30 days.			
Blackberries, Boysenberries, Dewberries, Gooseberries, Loganberries, Raspberries (REI = 12 hrs.)	Aphids, Rose scale chafers, Japanese beetles, Leafhoppers, Mites, Thrips	3 pts.	1
USE RESTRICTIONS: The maximum application rate is 2 pounds a.i. (3.2 pints of this product) per acre; the maximum number of applications per year is 3; and the minimum retreatment interval is 7 days.			
Blueberries (REI = 12 hrs.)	Blueberry maggots	1 pt. per 100 gals. + 1.5 qts. Staley Sauce Bait No. 7 Bait (protein hydrolysate bait) or Nu- Lure®	1
	Blueberry maggots, Cherry fruit worms, Cranberry fruit worms	2 pts.	
	Japanese beetles	1.5 to 2 pts.	
USE RESTRICTIONS: The maximum application rate is 1.25 pounds a.i. (2 pints of this product) per acre; the maximum number of applications per year is 3; and the minimum retreatment interval is 5 days.			
Cantaloupe (REI = 12 hrs.)	Aphids, Cucumber beetles, Leafhoppers, Leafminers, Pickleworms, Spider mites, Squash vine borer	1.6 pts.	1
USE RESTRICTIONS: The maximum application rate is 1 pound a.i. (1.6 pints of this product) per acre; the maximum number of applications per year is 2; and the minimum retreatment interval is 7 days.			
Cherries (Sweet, Tart) (REI = 12 hrs.)	Black cherry aphids, Eyespotted bud moth, Fruittree leafrollers, Cherry fruit flies, Japanese beetles	2.8 pts.	3
	SPECIFIC DIRECTIONS: Injury may occur on certain varieties of Sweet cherries.		
USE RESTRICTIONS: The maximum application rate is 1.75 pounds a.i. (2.8 pints of this product) per acre; the maximum number of applications per year is 4; and the minimum retreatment interval is 3 days. Apply by aircraft only. Do not apply this product within 3 days prior to bloom, during bloom, or until petal fall is complete			
Chestnuts (REI = 24 hrs.)	Mites	1.5 to 4 pts.	2
	SPECIFIC DIRECTIONS: Apply when mites appear in numbers and repeat in 7 to 10 days. Do not treat after shucks split.		
USE RESTRICTIONS: The maximum application rate is 2.5 pounds a.i. (4 pints of this product) per acre; the maximum number of applications per year is 2; and the minimum retreatment interval is 7 days. Do not apply this product within 3 days prior to bloom, during bloom, or until petal fall is complete.			
Citrus (Grapefruits, Lemons, Lime, Oranges, Tangerines, Tangelos) (CA Only) (REI = 12 hrs.)* (REI = 72 hrs.)*	Black scales (single and off-brooded), California red scales, Citricola scales, Purple scales, Soft brown scales, Yellow scales, Florida purple scales, Florida red scales	2.4 pts.* (12 pts.)*	7
	SPECIFIC DIRECTION: Do not apply this product within 3 days prior to bloom, during bloom, or until petal fall is complete.		
	Citrus red mites, Thrips	2.4 pts.* (12 pts.)*	7

USE RESTRICTIONS: *The REI is 12 hours if applied at the maximum rate of 1.5 pounds a.i. (2.4 pints of this product) per acre; the maximum number of applications per year is 3 at minimum retreatment interval is 30 days. However, the REI is increased to 72 hours if applied at the maximum rate of 7.5 pounds a.i. (12 pints of this product) per acre; only 1 application is allowed per year.			
Citrus (Grapefruits, Lemons, Lime, Oranges, Tangerines, Tangelos) (All Other States; Except CA) (REI = 12 hrs.)* (REI = 72 hrs.)*	Black scales (single and off-brooded), California red scales, Citricola scales, Purple scales, Soft brown scales, Yellow scales, Florida purple scales, Florida red scales	2.4 pts.* (7.2 pts.)*	7
	SPECIFIC DIRECTION: Do not apply this product within 3 days prior to bloom, during bloom, or until petal fall is complete.		
	Citrus red mites, Thrips	2.4 pts.* (7.2 pts.)*	7
USE RESTRICTIONS: *The REI is 12 hours if applied at the maximum rate of 1.5 pounds a.i. (2.4 pints of this product) per acre; maximum number of applications per year is 3 at minimum retreatment interval of 30 days. However, the REI is increased to 72 hours if applied at the maximum rate of 4.5 pounds a.i. (7.2 pints of this product) per acre; only 1 application is allowed per year.			
Currants (REI = 12 hrs.)	Japanese beetles, Rose chafer, Mites	2 pts.	1
USE RESTRICTIONS: The maximum application rate is 1.25 pounds a.i. (2 pints of this product) per acre; the maximum number of applications per year is 2; and the minimum retreatment interval is 7 days.			
Figs (REI = 12 hrs.)* (REI = 24 hrs.)*	Dried fruit beetles, Vinegar flies	2.4 pts.* (3.2 pts.)*	5
	SPECIFIC USE DIRECTIONS: Apply with 1 to 2 gallons of unsulfured molasses.		
USE RESTRICTIONS: *The REI is 12 hours if applied at the maximum rate of 1.5 pounds a.i. (2.4 pints of this product) per acre. However, the REI is increased to 24 hours if applied at the maximum rate of 2 pounds a.i. (3.2 pints of this product) per acre. The maximum number of applications per year is 2; the minimum retreatment interval is 5 days. Do not apply this product within 3 days prior to bloom, during bloom, or until petal fall is complete.			

Grapes (REI = 72 hrs. for girdling and tying; 24 hrs. for all other activities)	Leafhoppers, European fruit lecanium, Drosophila, Japanese beetles, Spider mites, Terrapin scale	3 pts.	3
	Mealybugs	1.5 pts.	
	SPECIFIC DIRECTIONS: For European fruit lecaniums – Make full coverage applications when newly hatched nymphs are migrating over vines, usually shortly after bloom. Injury may occur on Grapes of Almeria, Cardinal, Italia and Ribier varieties when sprays containing this product are applied after clusters appear.		
USE RESTRICTIONS: The maximum application rate is 1.88 pounds a.i. (3 pints of this product) per acre; the maximum number of applications per year is 2; and the minimum retreatment interval is 14 days.			
Grape Vines (Over-wintering on nursery stocks) (REI = 24 hrs.)	Grape phylloxera	3 pts. per 100 gals.	-
	SPECIFIC DIRECTIONS: Remove excess soil from the roots and dip in solution of this product. Submerge the entire root system for 5 minutes. Keep the solution agitated at all times.		
USE RESTRICTIONS: The maximum application rate is 1.88 pounds a.i. (3 pints of this product) per acre; the maximum number of applications per year is 2; and the minimum retreatment interval is 14 days. Remove excess soil from roots and submerge entire root system in the Fyfanon solution for 5 minutes.			
Guava (REI = 12 hrs.)	Drosophila	1.5 to 2 pts.	2
	SPECIFIC USE DIRECTION: Apply this product with 1 pound of partially hydrolyzed yeast protein or enzymatic yeast hydrolysate.		
USE RESTRICTIONS: The maximum application rate is 1.25 pounds a.i. (2 pints of this product) per acre; the maximum number of applications per year is 13; and the minimum retreatment interval is 3 days. Apply with 1 lb. partially hydrolyzed yeast protein or enzymatic yeast hydrolysate.			

Kumquat (REI = 48 hrs.)	Black scales (single and off-brooded), California red scales, Citricola scales, Purple scales, Soft brown scales, Yellow scales, Florida purple scales, Florida red scales	7.2 pts.	7
	SPECIFIC DIRECTION: Do not apply this product within 3 days prior to bloom, during bloom, or until petal fall is complete.		
	Citrus red mites, Thrips	7.2 pts.	7
USE RESTRICTIONS: The maximum application rate is 4.5 pounds a.i. (7.2 pints of this product) per acre; only 1 application is allowed per year.			
Macadamia nuts (REI = 12 hrs.)	Green stink bugs	1.5 pts.	1
USE RESTRICTIONS: The maximum application rate is 0.94 pound a.i. (1.5 pints of this product) per acre; the maximum number of applications per year is 6; and the minimum retreatment interval is 7 days. Do not apply this product within 3 days prior to bloom, during bloom, or until petal fall is complete.			
Mangoes (REI = 12 hrs.)	Drosophila	1.5 pts.	1
USE RESTRICTIONS: The maximum application rate is 0.94 pound a.i. (1.5 pints of this product) per acre; the maximum number of applications per year is 13; and the minimum retreatment interval is 7 days. Apply with 1 lb. partially hydrolyzed yeast protein or enzymatic yeast hydrolysate.			
Melons (Other than Watermelon) (REI = 12 hrs.)	Aphids, Cucumber beetles, Leafhoppers, Leafminers, Pickleworms, Squash vine borers, Spider mites	1.6 pts.	1
USE RESTRICTIONS: The maximum application rate is 1 pound a.i. (1.6 pints of this product) per acre; the maximum number of applications per year is 2; and the minimum retreatment interval is 7 days.			
Nectarines (REI = 24 hrs.)	Plum curculios, Spider mites	1 to 4.8 pts.	7
	Aphids, Japanese beetles	4 to 4.8 pts.	
	SPECIFIC USE DIRECTIONS: For use against aphids and Japanese beetles, this product may be mixed with spray oil for dormant and delayed dormant applications. Follow spray oil manufacturer's directions. Application rates are based on a standard dilution rate of 300 (ground) gallons of water/A. This product may cause spotting on nectarines.		
USE RESTRICTIONS: The maximum application rate is 3 pounds a.i. (4.8 pints of this product) per acre; the maximum number of applications per year is 2; and the minimum retreatment interval is 7 days. Do not apply this product within 3 days prior to bloom, during bloom, or until petal fall is complete.			
Papayas (REI = 12 hrs.)	Aphids, Mealybugs	1.5 to 2 pts.	1
USE RESTRICTIONS: The maximum application rate is 1.25 pounds a.i. (2 pints of this product) per acre; the maximum number of applications per year is 13; minimum retreatment interval is 3 days.			
Passion fruit (REI = 12 hrs.)	Drosophila	1.5 pts.	3
	SPECIFIC USE DIRECTION: Apply this product with 1 pound partially hydrolyzed yeast protein or enzymatic yeast hydrolysate.		
USE RESTRICTIONS: The maximum application rate is 1 pound a.i. (1.6 pints of this product) per acre; the maximum number of applications per year is 13; minimum retreatment interval is 7 days.			
Peaches (REI = 24 hrs.)	Black cherry aphids, Black peach aphids, European red mites, Green peach aphids, Japanese beetles, Rusty plum aphids, Spider mites	2.5 to 4.8 pts.	7
	Oriental fruit moths, Plum curculios, Cottony peach scales, European fruit lecaniums, Terrapin scales	4.8 pts.	
USE RESTRICTIONS: The maximum application rate is 3 pounds a.i. (4.8 pints of this product) per acre; the maximum number of applications per year is 2; and the minimum retreatment interval is 11 days. Do not apply this product within 3 days prior to bloom, during bloom, or until petal fall is complete.			
Pears (REI = 12 hrs.)	Aphids	1 pt.	1
	Mealybugs, Mites, Pear psylla	1 to 2 pts.	
	Codling moth, Fruittree leafroller, Plum curculio, Redbanded leafhopper	2 pts.	

USE RESTRICTIONS: The maximum application rate is 1.25 pounds a.i. (2 pints of this product) per acre; the maximum number of applications per year is 2; and the minimum retreatment interval is 7 days. Injury may occur on Bosc pears under certain conditions.			
Pecans (REI = 24 hrs.)	Aphids, European red mites, Pecan leaf casebearers*, Pecan nut casebearers*, Pecan phylloxera**, Spider mites, Walnut aphids, Walnut huskflies**	1.5 to 4 pts.	7
SPECIFIC USE DIRECTIONS: *Apply when first generation eggs begin to hatch. **Apply when buds begin to develop.			
USE RESTRICTIONS: The maximum application rate is 2.5 pounds a.i. (4 pints of this product) per acre; the maximum number of applications per year is 2; and the minimum retreatment interval is 7 days. Do not apply this product within 3 days prior to bloom, during bloom, or until petal fall is complete.			
Pineapple (REI = 24 hrs.)	Mealybugs	3.2 pts.	7
USE RESTRICTIONS: The maximum application rate is 2 pounds a.i. (3.2 pints of this product) per acre; the maximum number of applications per year is 3; and the minimum retreatment interval is 7 days.			
Strawberries (REI = 12 hrs.)	Aphids, Field crickets, Lygus bugs, Potato leafhoppers, Spider mites, Spittlebugs, Strawberry leafrollers, Strawberry root weevils, Thrips, Whiteflies	1.5 to 3.2 pts.	3
USE RESTRICTIONS: The maximum application rate is 2 pounds a.i. (3.2 pints of this product) per acre; the maximum number of applications per year is 4; and the minimum retreatment interval is 7 days.			
Walnuts (REI = 24 hrs.)	Aphids, European red mites, Walnut aphids, Walnut Huskflies	1.5 to 4 pts.	7
SPECIFIC USE DIRECTIONS: For bait sprays, combine Staley's Sauce Bait No. 2 or No. 7 (protein hydrolysate bait) or Nu-Lure at the rate of 2 qts./A.			
USE RESTRICTIONS: The maximum application rate is 2.5 pounds a.i. (4 pints of this product) per acre; the maximum number of applications per year is 3; and the minimum retreatment interval is 7 days. Do not apply this product within 3 days prior to bloom, during bloom, or until petal fall is complete.			
Watermelon (REI = 12 hrs.)	Aphids, Cucumber beetles, Leafhoppers, Leafminers, Pickleworms, Squash vine borers, Spider mites	1.5 to 2.5 pts.	1
USE RESTRICTIONS: The maximum application rate is 1.0 pounds a.i. (2.6 pints of this product) per acre; the maximum number of applications per year is 2; and the minimum retreatment interval is 7 days.			

FIELD CROPS, PASTURE AND RANGELAND

Field Crops	Pest Controlled	Rate Per Acre	PHI (Days)
Alfalfa (REI = 12 hrs.)	Alfalfa weevil larvae*, Aphids, Grasshoppers, Lygus bugs, Pea aphids, Potato leafhoppers, Spider mites, Spittlebugs, Stinkbugs	1.5 to 2 pts.	0
	Armyworms, Vetch buchid	2 pts.	
	Clover leaf weevils	1.5 pts.	
	SPECIFIC USE DIRECTIONS: Do not apply to alfalfa in bloom. *Apply when day temperature is expected to be above 65°F and when 50 to 70% of the leaves show damage.		
USE RESTRICTIONS: The maximum application rate is 1.25 pounds a.i. (2 pints of this product) per acre; the maximum number of applications is 2 per cutting and 2 applications/year; minimum retreatment interval is 14 days.			
Clovers (REI = 12 hrs.)	Alfalfa weevil larvae, Aphids, Grasshoppers, Lygus bugs, Pea aphids, Potato leafhoppers, Spider mites, Spittlebugs, Stinkbugs	1.5 to 2 pts.	0
	Armyworms, Vetch buchid	2 pts.	
	Clover leaf weevils	1.5 pts.	

USE RESTRICTIONS: The maximum application rate is 1.25 pound a.i. (2 pints of this product) per acre; the maximum number of applications is 2 per cutting and 4 applications per year; minimum retreatment interval is 14 days. Do not apply to clover in bloom.			
Corn (Field) (REI = 72 hrs. for detasseling; 12 hrs. for all other activities)	Aphids, Armyworms, Corn earworms*, Corn rootworms (adults), Grasshoppers, Leafhoppers, Sap beetles*, Thrips	1.5 pts.	7
	SPECIFIC USE DIRECTIONS: *Begin treatments when 10% of the ears show silk. Injury may occur in the whorl and silk stages with this product.		
USE RESTRICTIONS: The maximum application rate is 1 pound a.i. (1.6 pints of this product) per acre; the maximum number of applications per year is 2; and the minimum retreatment interval is 7 days.			
Corn (Pop, Sweet) (REI = 72 hrs. for detasseling; 12 hrs. for all other activities)	Aphids Armyworms, Corn earworms*, Corn rootworms (adults), Grasshoppers, Leafhoppers, Sap beetles*, Thrips	1.6 pts.	5
	SPECIFIC USE DIRECTIONS: *Begin treatments when 10% of the ears show silk. Injury may occur in the whorl and silk stages with this product.		
USE RESTRICTIONS: The maximum application rate is 1 pound a.i. (1.6 pints of this product) per acre; the maximum number of applications per year is 3; and the minimum retreatment interval is 5 days.			
Cotton (REI = 48 hrs.)	Brown cotton leafworms, Cotton aphids, Cotton leafworms, Cotton leaf perforators, Desert spider mites, Fall armyworms, Garden webworms, Grasshoppers, Leafhoppers, Lygus bugs, Thrips, Whiteflies	1.5 to 4 pts.	7
	Boll weevil	2 to 4 pts.	
	Cotton fleahoppers	1 to 1.5 pts.	
	Lygus, Thrips	4 pts.	
USE RESTRICTIONS: The maximum application rate is 2.5 pounds a.i. (4 pints of this product) per acre; the maximum number of applications per year is 2; and the minimum retreatment interval is 7 days.			

Field Crops	Pest Controlled	Rate Per Acre	PHI (Days)
Grasses, Forage, Hay (Barnyardgrass, Canarygrass, Fescue or Orchardgrass, Redtop, Timothy, Yellow foxtail) (REI = 12 hrs.)	Aphids, Armyworms, Cereal leaf beetles, Grasshoppers, Leafhoppers	2 pts.	0
USE RESTRICTIONS: The maximum application rate is 1.25 pounds a.i. (2 pints of this product) per acre; the maximum number of applications is per cutting and 4 per year and a 14 day minimum retreatment interval.			
Lespedeza (REI = 12 hrs)	Alfalfa caterpillars*, Alfalfa weevils (larva)**, Aphids, Grasshoppers, Leafhoppers, Lygus bugs	2 pts.	0
	SPECIFIC USE DIRECTIONS: Apply to Alfalfa in bloom only in the evening or early morning when bees are not working in the field or are not hanging on outside of hives. *Apply when larvae are small. **Apply when day temperature is expected to be above 65°F and when 50 to 70% of leaves show damage.		
USE RESTRICTIONS: The maximum application rate is 1.25 pounds a.i. (2 pints of this product) per acre; the maximum number of applications is 1 per cutting and 2 per year; minimum retreatment interval is 14 days.			
Pasture and Rangeland	Aphids, Armyworms, Grasshoppers, Leafhoppers	1.4 pts.	0

(REI = 12 hrs.)			
USE RESTRICTIONS: The maximum application rate is 0.92 pound a.i. (1.4 pints of this product) per acre; the maximum number of applications per year is 1 per cutting. Pasture: Limit use to 2 applications per year and a 30-day retreatment interval. Rangeland: Outside of government programs, Limit use to spot treatment only for grasshoppers and mosquito/fly control.			
Rice, Wild rice (REI = 12 hrs.)	Rice leafminers*	2 pts.	7 days
	Rice stink bugs**	1 to 2 pts.	
	SPECIFIC USE DIRECTIONS: *Make the first application shortly after the first Rice blades appear on the surface of the water. ** Apply during early milk and dough stages using a minimum of 2 gallons of water per acre by air. Do not apply propanil within 15 days of malathion treatment. 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 commercially.		
USE RESTRICTIONS: The maximum application rate is 1.25 pounds a.i. (2 pints of this product) per acre; the maximum number of applications per year is 2; and the minimum retreatment interval is 7 days. A 24-hour holding time is required before floodwaters may be released after treatment to rice.			
Small Grains (Barley) (REI = 12 hrs.)	Cereal leaf beetles, English grain aphids, Grasshoppers, Greenbugs, Winter grain mites	1 to 2 pts.	7
USE RESTRICTIONS: The maximum application rate is 1.25 pounds a.i. (2 pints of this product) per acre; the maximum number of applications per year is 2; and the minimum retreatment interval is 7 days.			
Small Grains (Oats) (REI = 12 hrs.)	Cereal leaf beetles, English grain aphids, Grasshoppers, Greenbugs, Winter grain mites	1.5 pts.	7
USE RESTRICTIONS: The maximum application rate is 1 pound a.i. (1.6 pints of this product) per acre; the maximum number of applications per year is 2; and the minimum retreatment interval is 7 days.			
Small Grains (Rye) (REI = 12 hrs.)	Cereal leaf beetles	1 to 1.5 pts.	7
	English grain aphids, Grasshoppers, Greenbugs, Winter grain mites	1.5 pts.	
USE RESTRICTIONS: The maximum application rate is 1 pound a.i. (1.6 pints of this product) per acre; the maximum number of applications per year is 2; and the minimum retreatment interval is 7 days.			
Field Crops	Pest Controlled	Rate Per Acre	PHI (Days)
Sorghum (REI = 12 hrs.)	Greenbugs	1.5 pts.	7
USE RESTRICTIONS: The maximum application rate is 1 pound a.i. (1.6 pints of this product) per acre; the maximum number of applications per year is 2; minimum retreatment interval is 7 days.			
Trefoil (Birdsfoot) (REI = 12 hrs.)	Alfalfa weevil larvae; Aphids, Grasshoppers, Lygus bugs, Pea aphids, Potato leaf hoppers, Spider mites, Spittle bugs, Stink bugs	1 to 2 pts.	0
	Armyworms, Vetch bruchid	2 pts.	
	Clover leaf weevils	1.5 pts.	
USE RESTRICTIONS: The maximum application rate is 1.25 pounds a.i. (2 pints of this product) per acre; the maximum number of applications is 2 per cutting; minimum retreatment interval is 14 days.			
Vetch (REI = 12 hrs.)	Alfalfa weevil larvae; Aphids, Armyworms, Clover leaf weevils, Grasshoppers, Lygus bugs, Omnivorous leafhoppers, Pea aphids, Potato leaf hoppers, Spider mites, Spittle bugs, Stink bugs, Vetch bruchid	1 to 2 pts.	0
USE RESTRICTIONS: The maximum application rate is 1.25 pounds a.i. (2 pints of this product) per acre; the maximum number of applications is 1 per cutting and 2 per year; minimum retreatment interval is 14 days.			
	Cereal leaf beetles	1 to 1.5 pts.	7

Wheat (Spring and Winter) (REI = 12 hrs.)	English grain aphids, Grasshoppers, Greenbugs, Winter grain mites	1.5 pts.	
USE RESTRICTIONS: The maximum application rate is 1 pound a.i. (1.6 pints of this product) per acre; the maximum number of applications per year is 2; and the minimum retreatment interval is 7 days.			

HOPS

Crop	Pest Controlled	Rate Per Acre	PHI (Days)
Hops (REI = 12 hrs.)	Aphids, Spider mites	1 pt.	10
USE RESTRICTIONS: The maximum application rate is 0.63 pound a.i. (1 pint of this product) per acre; the maximum number of applications per year is 2; and the minimum retreatment interval is 7 days.			

SMALL GRAIN (Barley, Corn, Oats, Rye, Wheat) STORAGE FACILITIES (Grain Elevators/Silos)

	Pest Controlled	Rate
Before Storing Grains (REI = 12 hrs.)	Cereal leaf beetles, Confused flour beetles, Flat grain beetles, Granary weevils, Indian meal moth, Khapra beetle, Lesser grain borers, Maize weevils, Red flour beetles, Rice weevils, Rusty grain beetles, Saw-toothed grain beetles	0.96 pt. per 1,000 sq. ft.
<p>SPECIFIC USE DIRECTIONS: Mix in 2 to 3 gallons of water and apply on 1,000 sq. ft. area. Before applying the spray, clean thoroughly. Remove and burn all sweepings and debris.</p> <p>For a residual wall, floor and machinery spray in grain elevators and silos, make thorough application before loading the grain.</p> <p>In empty warehouse, spray thoroughly the interior including cracks and protected places with sufficient pressure.</p>		
USE RESTRICTIONS: Do not apply directly to grain. The maximum application rate is 0.6 lb. a.i. (0.96 pt. of this product) per 1,000 sq. ft. Maximum number of application is 1 per storage period.		

NON-AGRICULTURAL USE SITES

Site	Rate per Acre (fl. ozs.)	Maximum Single Application Rate	Use Limitations
Christmas tree plantations (REI = 12 hrs.)	82	3.2 lbs. a.i./Ac.	<ul style="list-style-type: none"> Aerial application is prohibited. Do not apply more than two applications per year. Minimum retreatment interval is 10 days.
Fence rows, Hedge rows	6	0.24 lb. a.i./1000 sq. ft.	-
Ornamental and/or Shade trees (REI = 12 hrs.)	64	2.5 lbs. a.i./100 gals.	<ul style="list-style-type: none"> Spot treatment only. Do not apply more than two application per year. Minimum retreatment interval is 10 days.

Ornamental herbaceous plants (REI = 12 hrs.)	64	2.5 lbs. a.i./100 gals.	<ul style="list-style-type: none"> • Spot treatment only. • Do not apply more than two application per year. • Minimum retreatment interval is 10 days.
Ornamental non-flowering plants	64	2.5 lbs. a.i./100 gals.	<ul style="list-style-type: none"> • Spot treatment only. • Do not apply more than two application per year. • Minimum retreatment interval is 10 days.
Ornamental woody shrubs and vines (REI = 12 hrs.)	64	2.5 lbs. a.i./100 gals.	<ul style="list-style-type: none"> • Spot treatment only. • Do not apply more than two application per year. • Minimum retreatment interval is 10 days.
Pine seed orchard (REI = 12 hrs.)	82	3.2 lbs. a.i./Ac.	<ul style="list-style-type: none"> • For use in slash pine seed orchards in Alabama, Florida, Georgia, Louisiana, Mississippi, North Carolina, South Carolina and Texas only. • Malathion may be used to control thrips from mid-December to mid-March. • Do not apply more than two applications per year. • Minimum retreatment interval is 7 days. • 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). • For airblast applications, user must turn off outward pointing nozzles at row ends and when spraying outer row. • For aerial applications, do not release spray at a height greater than 10

			<p>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.</p> <ul style="list-style-type: none"> • Do not apply when the wind speed is greater than 10 mph. • 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). • Do not apply during temperature inversions.
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For outdoor use only.

Application equipment limited to hand-pump sprayers, hose-end sprayers, and sprinkler cans.

Minimum retreatment interval is 10 days.

Do not apply this product 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 24 hours following application.

Do not apply by ground within 25 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).

Do not apply within 25 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). Do not apply directly to sewers or storm drains, or to any area like a drain or gutter where drainage to sewers, storm drains, water bodies, or aquatic habitat can occur.

Do not allow the product to enter any drain during or after application.

Do not apply directly to impervious horizontal surfaces such as sidewalks, driveways, and patios except as a spot or crack-and-crevice treatment. Do not apply to vertical surfaces directly above pervious or impervious surfaces that drain into ditches, storm drains, gutters, or surface waters.

Do not apply or irrigate to the point of runoff.

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>.

FLY AND MOSQUITO CONTROL - OUTDOOR USE ONLY

Pest	Rate of This Product	Specific Directions
Adult flies	Straight Sprays: 5 tbsp. + 1 gal. of water or 1 cup + 2.5 gals. of water or 1 qt. + 12 gals. of water	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. Repeat applications as necessary. Avoid applying oil-based sprays to valuable ornamental plants as injury may occur.
Mosquito adults*	1 part to 28 parts water, fuel oil or diesel oil	Spot treatment only (2 sq. ft.). Spray lower outside foundation of residence and spot treat shrubbery and vegetation where mosquitoes may rest. Do not apply as a broadcast treatment to residential lawns.
*Mosquito control is for localized applications only (not for wide area applications). Not for use in New York.		

OUTDOOR USE SITES (SPOT TREATMENT ONLY)

Site	Pest(s)	Rate of This Product	Specific Directions
Gardens	Millipedes, Sawbugs, Springtails	1 tsp./gal. of water	Apply as spot treatment at the rate of 1.2 fl. ozs. per sq. ft. of soil where pest(s) congregate. Repeat at 7 to 10 day intervals as needed.
Lawns	Ant mounds (except Carpenter, Fire, Harvester or Pharaoh ants)	1.5 pts./100 gals. of water (1.4 tsp./gal. of water)	Spot treatment only. Spray Ant mounds thoroughly until well soaked. For other small Ants in flower beds, lawns, around trees, spray lightly infested areas. Repeat at 10 to 15 days if Ants return. Do not allow people or pets to enter treated area until sprays have dried.

For outdoor use only.

Application equipment limited to hand-pump sprayers, hose-end sprayers, and sprinkler cans.

Minimum retreatment interval is 10 days.

Do not apply this product 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 24 hours following application.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: 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). Storage should be under lock and key in a ventilated room and secure from access by unauthorized persons and children. Storage should be in a cool, dry area away from any heat or ignition source. Do not stack over 2 pallets high. Move containers by handles or case. Do not move containers from one area to another unless they are securely sealed. Keep container tightly sealed when not in use. Keep away from any puncture source. Do not store near water supplies, food, feed and fertilizer to avoid contamination. Store in original containers only. If the contents are leaking or material is spilled, follow these steps:

1. Contain spill. Absorb with a material such as sawdust, clay granules or dirt.
2. Collect and place in suitable containers for disposal.
3. Wash area with soap and water to remove remaining pesticide.
4. Follow washing with clean water rinse.
5. Place leaking container in a plastic tub and transfer contents, as soon as possible, to an empty, original container.
6. Do not allow runoff to enter sewer or contaminate water supplies.
7. Dispose of waste.

PESTICIDE DISPOSAL: To avoid wastes, use all materials 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).

CONTAINER HANDLING:

Nonrefillable Container (rigid material; less than 5 gallons):

Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean 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 one-fourth 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. Dispose of empty container in a sanitary landfill or by incineration.

Nonrefillable Container (rigid material; 5 gallons up to < 250 gallons):

Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container one-fourth 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 or store rinsate for later use or disposal. Repeat this procedure two more times. Dispose of empty container in a sanitary landfill or by incineration.

Refillable Container (\geq 250 gallons & Bulk):

Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10% full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Then offer for recycling if available or reconditioning if appropriate or puncture and dispose of in sanitary landfill or by other procedures approved by state and local authorities.

WARRANTY-CONDITIONS OF SALE

OUR DIRECTIONS FOR USE of this product are based upon tests believed reliable. Follow directions carefully. Timing and method of application, weather and crop conditions, mixtures with other chemicals not specifically recommended and other influencing factors in the use of this product are beyond the control of the Seller. To the extent consistent with applicable law, Buyer assumes all risks of use, storage and handling of this material not in strict accordance with directions given herewith. To the extent consistent with applicable law, in no case shall the Manufacturer or the Seller be liable for consequential, special or indirect damages resulting from the use or handling of this product when such use and/or handling is not in strict accordance with directions given herewith. The foregoing is a condition of sale by the Seller and is accepted as such by the Buyer.

Manufactured By:



The DREXEL logo is a registered trademark of Drexel Chemical Company. All other brand names, product names, or trademarks belong to their respective holders.

MALATHION **GROUP** **1B** **INSECTICIDE**

**SUBLABEL B:
PUBLIC HEALTH USE
MOSQUITOCIDE LABEL**



Malathion 5EC
Insecticide / Miticide

FOR USE AGAINST MOSQUITOES (NOT FOR USE IN NEW YORK)

For Use Only by Federal, State, Tribal, or Local Government Officials Responsible for Public Health or Vector Control, or by Persons Certified in the Appropriate Category or Otherwise Authorized by the State or Tribal Lead Pesticide Regulatory Agency to perform Adult Mosquito Control Applications, or by Persons Under Their Direct Supervision.

ACTIVE INGREDIENT:

Malathion 57.0%

OTHER INGREDIENTS: 43.0%

TOTAL: 100.0%

This product contains 5 pounds of Malathion per gallon.
Contains petroleum distillate.

**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.)

See FIRST AID on Page 23

**EPA Reg. No. 19713-217
EPA Est. No. 19713-XX-XXX**

Net Content: _____

Manufactured By:



Drexel Chemical Company
P.O. BOX 13327, MEMPHIS, TN 38113-0327
SINCE 1972

217SP-0816*

FIRST AID
<p>IF IN EYES:</p> <ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
<p>IF SWALLOWED:</p> <ul style="list-style-type: none"> • Immediately call a poison control center or doctor for treatment advice. • 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.
<p>IF ON SKIN OR CLOTHING:</p> <ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 to 20 minutes. • Call a poison control center or doctor for treatment advice.
<p>Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also call CHEMTREC at 800-424-9300 for emergency.</p>
<p>NOTE TO PHYSICIAN: This product is a cholinesterase inhibitor. Atropine is antidotal. 2-PAM may be effective as an adjunct to atropine. Malathion is an organophosphate. Contains petroleum distillate. May pose an aspiration pneumonia hazard.</p>

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND 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. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

For All Formulations and Use Patterns - Mixers, loaders, applicators, flaggers and other handlers must wear: Long-sleeved shirt and long pants, chemical-resistant gloves made of barrier laminate or viton \geq 14 mils (pilots must wear chemical-resistant gloves only when entering or exiting the aircraft), shoes plus socks, and protective eyewear such as safety glasses, face shield, or goggles.

For All Airblast Applications - Applicators must wear: Long-sleeved shirt and long pants, shoes plus socks, chemical-resistant gloves made of barrier laminate or viton \geq 14 mils (pilots must wear chemical-resistant gloves only when entering or exiting the aircraft), chemical-resistant apron, and protective eyewear (safety glasses, faceshield, goggles).

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/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS

Users should: 1) Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. 2) Remove clothing/PPE 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.

ENGINEERING CONTROLS

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

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.

When applying as a wide area mosquito adulticide, before making the first application in a season, it is advisable to consult with the state or tribal agency charged with the primary responsibility for pesticide regulation to determine if other regulatory requirements exist.

This pesticide is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds while bees are actively foraging the treatment area, except when applications are made to prevent or control a threat to public and/or animal health determined by a State, tribal or local public health or vector control agency on the basis of documented evidence of disease causing agents in vector mosquitoes of the occurrence of mosquito-borne disease in animal or human populations, or if specifically approved by the State or tribe during a natural disaster recovery effort. When applying as a wide area mosquito adulticide, do not apply over bodies of water (lakes, rivers, permanent streams, natural ponds, commercial fish ponds, swamps, marshes, estuarines), except when necessary to target areas where adult mosquitoes are present, and weather conditions will facilitate movement of applied material away from the water in order to minimize incidental deposition into the water body.

Do not discharge effluent containing this product into lakes, streams, ponds, estuarines, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination Systems (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.

PHYSICAL OR CHEMICAL HAZARDS

Combustible: Do not use or store near heat or open flame.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. For use by federal, state, tribal, or local government officials responsible for public health or vector control, or by persons certified in the appropriate category or otherwise authorized by the state or tribal lead pesticide regulatory agency to perform adult mosquito control applications, or by persons under their direct supervision.

Endangered Species Protection Requirements:

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.

See separate directions and precautions for mosquito control applications.

To minimize hazard to bees, do not apply this product more than two hours after sunrise or more than two hours before sunset. This timing restriction prohibits applications when bees are most active (mid-day). This restriction does not apply when applications are made as a spot treatment

or to prevent or control a threat to public and/or animal health determined by a state, tribal or local public health or vector control agency on the basis of documented evidence of disease causing agents in vector mosquitoes or the occurrence of mosquito borne disease in animal and human populations, or if specifically approved by the state or tribe during a natural disaster recovery effort.

Calibrate and inspect nozzles at least once a year to ensure they are in good working condition.

Mandatory spray Drift Management

Ultra Low Volume Applications

- Apply when ground wind speeds are equal to or greater than 1 mph.
- All types of applications should be conducted when temperatures at ground level are at or above 50°F.

For Ground Applications:

- Create an optimum swath when possible. An optimum swath width can be achieved when this product is applied from a truck that is being driven perpendicular to the wind direction. Direct the spray head of equipment to ensure even distribution of the spray cloud throughout the area.
- FOR BEST RESULTS treat when mosquitoes or insects are most active and weather conditions are conducive to keeping the spray cloud in the air column close to the ground.
- An inversion of air temperatures and a light breeze is preferable. Application during the cooler hours of the night or early morning is recommended.

For Aerial Applications:

- Do not apply by fixed wing aircraft at a nozzle height less than 100 feet (30.5 m) above ground or canopy, or by helicopter at a height less than 75 feet (22.9 m) above the ground or canopy, unless specifically approved by the state or tribe based on public health needs.

Adult mosquito control applications should be limited to trained personnel.

- For use only by federal, state, tribal or local government officials responsible for public health or vector control or by persons certified in the appropriate category or otherwise authorized by the state or tribal lead pesticide regulatory Agency to perform adult mosquito control applications, or by persons under their supervision, or as allowed by state regulations for persons treating private property.
- This pesticide is toxic to aquatic organisms. Runoff from treated areas or deposition of spray droplets into a body of water may be hazardous to aquatic organisms.
- Do not apply over bodies of water (lakes, rivers, permanent streams, natural ponds, commercial fish ponds, swamps, marshes or estuaries), except when necessary to target areas where adult mosquitos are present, and weather conditions will facilitate movement of applied material beyond the body of water to minimize incidental deposition into the water body. Do not contaminate bodies of water when disposing of equipment rinsate or wash waters.
- Before making the first application in a season, consult with the state or tribal Agency with primary responsibility for pesticide regulation to determine if other regulatory requirements exist.
- Treatment of a site must be based on surveillance results. Do not treat any site with malathion more than 1 time per day. Do not apply more than 0.23 lbs ai/acre of this product per day by air or 0.06 lbs ai/acre per day by ground within any 24-hour period. Do not treat any site with more than 0.46 lb ai/acre within a 7 day period and the amount of undiluted product applied to any site must not exceed 5.75 lbs ai/acre per year. More frequent treatments may be made to prevent or control a threat to public and/or animal health determined by a state, tribal or local health or vector control agency on the basis of documented evidence of disease causing agents in vector mosquitoes or the occurrence of mosquito-borne disease in animal or human populations, or if specifically approved by the state of tribe during a natural disaster effort.

RESISTANCE MANAGEMENT RECOMMENDATIONS

MALATHION	GROUP	1B	INSECTICIDE
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For resistance management, MALATHION 5EC contains a Group 1B insecticide or acaricide. Any insect/mite population may contain individuals naturally resistant to this product and other Group 1B insecticides/acaricides. The resistant individuals may dominate the insect/mite 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 this product 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):
 - 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.
 - Mixtures with components having the same IRAC mode of action classification are not recommended for insect resistance management.
 - When using mixtures, consider any known cross-resistance issues between the individual components for the targeted pest(s).
 - Mixtures become less effective if resistance is already developing to one or both active ingredients, but they may still provide pest management benefits.
 - 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 insecticides/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 advisor 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 Drexel Chemical Company at 1-901-774-4370.

USE RESTRICTIONS AND PRECAUTIONS

DO NOT retreat a site more than 3 times in any one week when mosquitoes are swarming or biting. More frequent treatments may be made to prevent or control a threat to public and/or animal health determined by a state, tribal or local health or vector control agency on the basis of documented evidence of disease causing agents in vector mosquitoes or the occurrence of mosquito-borne diseases in animal or human populations, or if specifically approved by the state or tribe during a natural disaster recovery effort.

RESTRICTIONS

- Apply when wind speed is greater than or equal to 1 mph.
- Do not apply more than 0.23 lb. a.i. (6 fl. ozs. of this product) per acre per day.
- Do not apply by fixed wing aircraft at a height less than 100 feet, or by helicopter a height less than 75 feet unless specifically approved by the state or tribe based on public health needs.

PRECAUTIONS

Before using, read the directions contained in this labeling for the proper methods and procedures which must be followed to achieve effective mosquito control and avoid permanent damage to automobiles and

other paint finishes. **IMPORTANT:** In areas where automobiles, trailers, trucks and pleasure boats are present, undiluted spray droplets of this product will permanently damage vehicle paint finishes unless the aircraft used for the ultra low volume application meets all of the specifications listed under the "AERIAL APPLICATION" section below.

AERIAL APPLICATION

Spray equipment must be adjusted so that the volume median diameter produced is less than 60 microns (Dv 0.5 < 60 um) and that 90% of the spray is contained in droplets smaller than 100 microns (Dv 0.9 < 100 um). The effects of flight speed and, for non-rotary nozzles, nozzle angle on the droplet size spectrum must be considered. Directions from the equipment manufacturer or vendor, pesticide registrant or a test facility using a wind tunnel and laser-based measurement instrument must be used to adjust equipment to produce acceptable droplet size spectra. Application equipment must be tested at least annually to confirm that pressure at the nozzle and nozzle flow rate(s) are properly calibrated.

GROUND BASED APPLICATION

Spray equipment must be adjusted so that the volume median diameter produced is less than 30 microns (Dv 0.3 < 30 um) and that 90% of the spray is contained in droplets smaller than 50 microns (Dv 0.9 < 50 um). Directions from the equipment manufacturer or vendor, pesticide registrant or a test facility using a laser-based measurement instrument must be used to adjust equipment to produce acceptable droplet size spectra. Application equipment must be tested at least annually to confirm that pressure at the nozzle and nozzle flow rate(s) are properly calibrated.

Thermal Aerosol or Fogs

For control of adult mosquitoes with thermal aerosols or fogs, apply this product at the rate of 6 oz. actual per gallon (7.7 gallons of this product in 100 gallons finished solution*) by ground equipment delivering 40 gallons per hour at vehicle speed of 5 miles per hour to treat a swath width of 300 to 400 feet.

*There is a great variation in the chemical composition of fuel oils which may be used as thermal fog solvents. These differences may cause sludge and/or affect the solubility of this product.

Nonthermal Aerosols

Adult Mosquito Control: Control of adult mosquitoes over a 300-foot swath can be obtained with nonthermal aerosols of this product using the following rates at the indicated vehicle speeds:

Rates of This Product					
Undiluted - Apply as Follows					
Lbs. A.I. per Acre	Application Rates (fl. ozs.) per Minute at Vehicle Speeds				This Product per Acre (fl. ozs.)
	5 mph	10 mph	15 mph	20 mph	
0.03 to 0.06	2.3 to 4.5	4.5 to 9	6.8 to 13.5	9 to 18	0.75 to 1.5
1:2 Dilution					
Mix 1 part of this product with 2 parts of suitable fuel oil or water. Apply as follows:					
Lbs. A.I. per Acre	Application Rates (fl. ozs.) per Minute at Vehicle Speeds				Finished Spray per Acre (fl. ozs.)
	5 mph	10 mph	15 mph	20 mph	
0.03 to 0.06	9 to 18	18 to 36	27 to 54	36 to 72	3 to 6
1:4 Dilution					
Mix 1 part of this product with 4 parts of suitable fuel oil or water. Apply as follows:					
Lbs. A.I. per Acre	Application Rates (fl. ozs.) per Minute at Vehicle Speeds				Finished Spray per Acre (fl. ozs.)
	5 mph	10 mph	15 mph	20 mph	
0.03 to 0.06	11.25 to 22.5	22.5 to 45	33.75 to 67.5	45 to 90	3.75 to 7.5

OPERATING EQUIPMENT:

Each nonthermal aerosol generator used for dispersal of this product to control adult mosquitoes must have the minimum capability of producing the droplet spectrum described under "GROUND BASED APPLICATION". The initial determination of droplet size is made after the unit is installed in a vehicle and

prior to its use in mosquito control operations. Recheck the unit as frequently as necessary to insure that proper droplet size is maintained for each operation. Determination of droplet size annually is usually sufficient if the unit has been maintained in good operating conditions. If chemical flow rate or any changes or modifications are made to the equipment, recheck the calibration and droplet size characterization. The unit must be inspected before each operation to correct any leaks or obstructions in the spray system to detect whether the nozzle, hoses, or other parts are worn and need replacement, to insure that the flow meter is properly calibrated and to determine that the pressure recommended by the manufacturer is being maintained. Consult your equipment manufacturer's instructions for additional calibration and droplet size checks and requirements.

Nozzle Direction - Angled in a backwards direction out the side or rear of the vehicle.
- Angled in an upwards direction based on fogger characteristics.

Vehicle Speed - Allowable speed dictated by local policies and laws, as well as capabilities of the application equipment.
- Shut off spray equipment when vehicle is stopped.

DILUTION RATES FOR THIS PRODUCT

Mosquito control in populated and rural areas (adult mosquito control over cities, towns, and other areas where automobiles, trailers, trucks, and pleasure boats are present): Apply 5.1 to 6 fl. ozs. of this product per acre. Apply only when weather conditions are favorable. Wind and rising air currents may cause undesirable spray drift and reduce mosquito control. Only treat when mosquitoes are swarming or biting. Do not retreat a site more than 3 times in any one week. However, more frequent treatments may be made to prevent or control a threat to public and/or animal health determined by a state, tribal or local health or vector control agency on the basis of documented evidence of disease causing agents in vector mosquitoes or the occurrence of mosquito-borne diseases in animal or human populations, or if specifically approved by the state or tribe during a natural disaster recovery effort.

IMPORTANT: Undiluted spray droplets of this product will permanently damage automobile paint unless all the conditions described and recommended in this label are met. If accidental exposure does occur, the vehicle should be washed at once.

Adult mosquitoes on rangeland, pasture, and other uncultivated non-agricultural areas (Wasteland, Roadsides): Apply this product at the rate of 4 to 6 fl. ozs. in 2 to 8 quarts of water per acre to control adult mosquitoes using ground or aerial equipment.

Only treat when mosquitoes are swarming or biting. Do not retreat a site more than 3 times in any one week. However, more frequent treatments may be made to prevent or control a threat to public and/or animal health determined by a state, tribal or local health or vector control agency on the basis of documented evidence of disease causing agents in vector mosquitoes or the occurrence of mosquito-borne diseases in animal or human populations, or if specifically approved by the state or tribe during a natural disaster recovery effort.

This product can be mixed with a synergized pyrethrin emulsifiable concentrate (such as 6 pyrethrin + 60% PBO) in accordance with the most restrictive of label limitations and precautions indicated on both this and the tank-mixed product. Label rates must not be exceeded. This product may not be mixed with any other product bearing a label which specifically prohibits such mixing. Prior to tank mixing large quantity, mix a small amount in a glass jar to verify that the products are physically compatible.

Depending upon your operational needs for knock down, the amount of synergized pyrethrin can be reduced or adjusted. Application rates of this product and droplet distribution requirements remain the same as for this product used alone.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: 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). Storage should be under lock and key in a ventilated room and secure from access by unauthorized persons and children. Storage should be in a cool, dry area away from any heat or ignition

source. Do not stack over 2 pallets high. Move containers by handles or case. Do not move containers from one area to another unless they are securely sealed. Keep container tightly sealed when not in use. Keep away from any puncture source. Do not store near water supplies, food, feed and fertilizer to avoid contamination. Store in original containers only. If the contents are leaking or material is spilled, follow these steps:

1. Contain spill. Absorb with a material such as sawdust, clay granules or dirt.
2. Collect and place in suitable containers for disposal.
3. Wash area with soap and water to remove remaining pesticide.
4. Follow washing with clean water rinse.
5. Place leaking container in a plastic tub and transfer contents, as soon as possible, to an empty, original container.
6. Do not allow runoff to enter sewer or contaminate water supplies.
7. Dispose of waste.

PESTICIDE DISPOSAL: To avoid wastes, use all materials 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).

CONTAINER HANDLING:

Nonrefillable Container (rigid material; less than 5 gallons):

Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean 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 one-fourth 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. Dispose of empty container in a sanitary landfill or by incineration.

Nonrefillable Container (rigid material; 5 gallons up to < 250 gallons):

Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container one-fourth 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 or store rinsate for later use or disposal. Repeat this procedure two more times. Dispose of empty container in a sanitary landfill or by incineration.

Refillable Container (\geq 250 gallons & Bulk):

Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10% full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Then offer for recycling if available or reconditioning if appropriate or puncture and dispose of in sanitary landfill or by other procedures approved by state and local authorities.

WARRANTY-CONDITIONS OF SALE

OUR DIRECTIONS FOR USE of this product are based upon tests believed reliable. Follow directions carefully. Timing and method of application, weather and crop conditions, mixtures with other chemicals not specifically recommended and other influencing factors in the use of this product are beyond the control of the Seller. To the extent consistent with applicable law, Buyer assumes all risks of use, storage and handling of this material not in strict accordance with directions given herewith. To the extent consistent with applicable law, in no case shall the Manufacturer or the Seller be liable for consequential, special or indirect damages resulting from the use or handling of this product when such use and/or handling is not in strict accordance

with directions given herewith. The foregoing is a condition of sale by the Seller and is accepted as such by the Buyer.

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