

9779-5

11-17-2008

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

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

Ms Alice Walker, PhD  
Agent for Winfield Solutions, LLC,  
C/O Alice Walker  
3094 Country Club Road  
Senatobia, MS 38668

NOV 17 2008

Subject: Label Notification(s) for Pesticide Registration Notice 2007-4

Dear Registrant:

The Agency is in receipt of your Application(s) for Pesticide Notification under Pesticide Registration Notice (PRN) 2007-4 dated October 17, 2008 for:

**EPA Registration 9779-5      Malathion 5**

The Registration Division (RD) has conducted a review of this request for applicability under PRN 2007-4 and finds that the label change(s) requested falls within the scope of PRN-2007-4. The label has been date-stamped "Notification" and will be placed in our records.

Please be reminded that 40 CFR Part 156.140(a)(4) requires that a batch code, lot number, or other code identifying the batch of the pesticide distributed and sold be placed on nonrefillable containers. The code may appear either on the label (and can be added by non-notification/PR Notice 98-10) or durably marked on the container itself.

If you have any questions, please contact me directly at 703-305-6249 or Banza Djapao of my staff at 703-305-7269.

Sincerely,

A handwritten signature in black ink, appearing to read "Linda Arrington".

Linda Arrington  
Notifications & Minor Formulations Team Leader  
Registration Division (7505P)  
Office of Pesticide Programs



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

Registration  
 Amendment  
 Other

OPP Identifier Number

**Application for Pesticide - Section I**

1. Company/Product Number 9779-5	2. EPA Product Manager Marilyn Mautz	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Malathion 5	PM#	
5. Name and Address of Applicant (Include ZIP Code) Winfield Solutions, LLC, c/o Alice Walker 3094 Country Club Road Senatobia, Mississippi 38668 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3)(b)(i), my product is similar or identical in composition and labeling to: <b>NOTIFICATION</b> EPA Reg. No. _____ NOV 17 2007 Product Name _____	

**Section - II**

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

**Explanation:** Use additional page(s) if necessary. (For section I and Section II.)  
 Notification of label change per PR Notice 2007-4. This notification is consistent with the guidance in PR Notice 2007-4 and the requirements of EPA's regulations at 40 CFR §§ 156.10, 156.140, 156.144, 156.146, and 156.156. No other changes have been made to the labeling or the Confidential Statement of Formula for this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if the amended label is not consistent with the requirements of 40 CFR §§ 156.10, 156.140, 156.144, 156.146, and 156.156, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

**Section - III**

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input checked="" type="checkbox"/> Metal	
				<input checked="" type="checkbox"/> Plastic	
				<input type="checkbox"/> Glass	
				<input type="checkbox"/> Paper	
				<input type="checkbox"/> Other (Specify) _____	
* Certification must be submitted		If "Yes" Unit Packaging wgt.	No. per container	If "Yes" Package wgt.	No. per container
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container 1, 2-1/2, 30, and 55 gals.		5. Location of Label Directions <input checked="" type="checkbox"/> On label	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph Paper glued <input type="checkbox"/> Stenciled		<input checked="" type="checkbox"/> Other self-adhesive booklet			

**Section - IV**

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Alice Walker, Ph.D.	Title Registration Specialist	Telephone No. (Include Area Code) 662-562-5995
<b>Certification</b> I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received (Stamped)
2. Signature <i>Alice Walker</i>	3. Title Registration Specialist	
4. Typed Name Alice Walker, Ph.D.	5. Date 10-17-08	

October 17, 2008

Document Processing Desk (Notif)  
Office of Pesticide Programs (7504P)  
U.S. Environmental Protection Agency  
Ariel Rios Building  
1200 Pennsylvania Ave., NW  
Washington, DC 20460

**Re: Notification of Revised Container Disposal Language per PRN 2007-4  
Malathion 5, EPA Reg. No. 9779-5**

This correspondence will constitute notification from Winfield Solutions, LLC of new container disposal language as required by PRN 2007-4.

This notification is consistent with the guidance in PR Notice 2007-4 and the requirements of EPA's regulations at 40 CFR §§ 156.10, 156.140, 156.144, 156.146, and 156.156. No other changes have been made to the labeling or the Confidential Statement of Formula for this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if the amended label is not consistent with the requirements of 40 CFR §§ 156.10, 156.140, 156.144, 156.146, and 156.156, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

Thank you for adding this notification to the registration record for this product.

Sincerely,

Alice Walker, Ph.D.  
Registration Specialist

Enclosures  
cc: Gary Halvorson

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# Malathion 5

## An Emulsifiable Concentrate Containing 5 Pounds of Malathion per Gallon

<b>ACTIVE INGREDIENT</b>	
Malathion (0,0-dimethyl phosphorodithioate of diethyl mercaptosuccinate) .....	56.8%
<b>OTHER INGREDIENTS*</b> .....	43.2%
<b>TOTAL</b> .....	100.0%

Contains 5 pounds malathion per gallon.  
 \*Contains 35.2% of Xylene range aromatic solvent.

### NOTIFICATION

NOV 17 2007

**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 this label, find someone to explain it to you in detail.)

FIRST AID ORGANOPHOSPHATE	
IF IN EYES	<ul style="list-style-type: none"> <li>Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
IF INHALED	<ul style="list-style-type: none"> <li>Move person to fresh air.</li> <li>If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.</li> <li>Call a poison control center or doctor for further treatment advice.</li> </ul>
IF ON SKIN OR CLOTHING	<ul style="list-style-type: none"> <li>Take off contaminated clothing.</li> <li>Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
IF SWALLOWED	<ul style="list-style-type: none"> <li>Call a poison control center or doctor immediately for treatment advice.</li> <li>Have person sip a glass of water if able to swallow.</li> <li>Do not induce vomiting unless told to do so by the poison control center or doctor.</li> </ul>
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For further emergency medical information call toll-free 1-877-424-7452.	
<b>NOTE TO PHYSICIAN:</b> Malathion is an acetyl cholinesterase inhibitor. Atropine is antidotal. Contains petroleum distillate - vomiting may cause aspiration pneumonia.	

**PRECAUTIONARY STATEMENTS**  
**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**  
**WARNING**

Causes substantial but temporary eye injury. Harmful if absorbed through skin. Do not get in eyes, on skin or on clothing.

**Personal Protective Equipment:**

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category F on an EPA chemical resistance category selection chart.

Applicators and other handlers must wear long-sleeved shirt and long pants, chemical-resistant gloves, such as Barrier Laminate, Butyl Rubber, Nitrile Rubber or Viton, shoes plus socks and protective eyewear.

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, use detergent and hot water. Keep and wash PPE separately from other laundry.

Read additional PRECAUTIONARY STATEMENTS

EPA Reg. No. 9779-5

EPA Est. No.

Distributed By:  
 Winfield Solutions, LLC  
 P.O. Box 64589, St. Paul, MN 55164-0589

NET CONTENTS \_\_\_\_\_  
 0/1017/8

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

**USER SAFETY RECOMMENDATIONS**

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

**ENVIRONMENTAL HAZARDS**

This product is toxic to fish, aquatic invertebrates, and aquatic life stages of amphibians. For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Drift and runoff may be hazardous to aquatic organisms in areas near the application site. Do not contaminate water when disposing of equipment washwaters.

This product 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 if bees are visiting the treatment area.

**PHYSICAL OR CHEMICAL HAZARDS**

Do not use, pour, spill, 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.

For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

**AGRICULTURAL USE REQUIREMENTS**

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

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is: coveralls, chemical-resistant gloves, such as Barrier Laminate or Butyl Rubber, Nitrile Rubber or Viton, shoes plus socks and protective eyewear.

**NON-AGRICULTURAL USE REQUIREMENTS**

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Keep unprotected persons and pets out of treated areas until sprays have dried.

**STORAGE AND DISPOSAL**

**DO NOT CONTAMINATE WATER, FOOD, OR FEED BY STORAGE OR DISPOSAL.**

**STORAGE**

Store in a dry location away from children, animals, foods, feeds, seeds, or other agricultural chemicals. Handle in accordance with information given under PRECAUTIONARY STATEMENTS. In the event of spillage or leakage, soak up material with absorbent clay, sand, sawdust, or other absorbent material. Scrape up and dispose of in accordance with information given under DISPOSAL. Repackage and relabel useable products in a sound container. In case of fire or other emergency, report at once by toll-free telephone to 800-424-9300.

**DISPOSAL**

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**CONTAINER DISPOSAL:** Use label language appropriate for container size and type.

**Nonrefillable containers.** Do not reuse or refill this container. Clean container promptly after emptying.

**Nonrefillable container equal to or less than 5 gallons.** Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling or reconditioning, or puncture

and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities such as burning of plastic containers. If burned, stay out of smoke.

**Nonrefillable container greater than 5 gallons.** Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 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. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities such as burning of plastic containers. If burned, stay out of smoke.

**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 percent 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 or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities such as burning of plastic containers. If burned, stay out of smoke.

**GENERAL INFORMATION**

MALATHION 5 may be applied by ground sprayers or by airplanes, mixing the MALATHION 5 in water to form an emulsion spray solution. To make the spray solution, half fill the spray tank with water, agitate, add the proper amount of MALATHION 5 and then fill the spray tank with water while still agitating. Continue to agitate during use.

When applying with ground sprayers, calibrate so as to apply the recommended amount of MALATHION 5 in not less than 3 gallons of water per acre. Airplanes should apply the recommended amount of MALATHION 5 in not less than 1 gallon of water per acre. Always use sufficient water for adequate coverage of the crop foliage.

The dosages given under DIRECTIONS FOR USE are the amounts of MALATHION 5 to be applied per acre treated per application. Repeat applications as necessary, unless otherwise directed in DIRECTIONS FOR USE.

Where a dosage range is given, use the lower rate on small or young plants or with light insect infestations; use the higher rate on large or more mature plants or with heavy insect infestations. The hazards and precautions for handling MALATHION 5 in this container are equally applicable to it after dilution with water for spray application.

**ORNAMENTALS**

Make thorough, full-coverage spray with repeated applications as necessary. For scales, apply when crawlers have settled on foliage. Injury may occur on certain ferns, including Boston, Maidenhair and Pteris, as well as some species of crassula.

Apply 1 pint per 100 gallons of water to control lacebugs and oyster shell scale. Apply 1 1/2 pints per 100 gallons of water to control aphids, spider mites, whitefly, mealybugs, thrips, Japanese beetle adults, four-lined leaf bug, tarnished plant bug, rose leafhopper, potato leafhopper, European pine shoot moth, scurfy scale and euonymus scale.

Apply 2 pints per 100 gallons of water to control bagworms, tent caterpillar, birch leaf miner, boxwood leaf miner, oak kermes, juniper scale, Fletcher scale, Florida red scale, azalea scale, magnolia scale and pine leaf scale.

Apply 2 1/2 pints per 100 gallons of water to control soft brown scale, Monterey pine scale and black scale crawlers.

Apply 4 pints per 100 gallons of water to control pine needle scale.

**PECANS**

For control of aphids, spider mites, and walnut aphid, use 1 1/2 to 2 pints of MALATHION 5 per 100 gallons of water. For control of European red mite, use 1 1/4 pints per 100 gallons of water. For control of pecan phylloxera, pecan budmoth, and pecan leaf casebearer, use 1 1/4 pints per 100 gallons of water. Apply when buds begin to develop. Repeat as necessary. For control of pecan nut casebearer and walnut husk fly, apply 1 1/4 pints per 100 gallons of water after first generation eggs begin to hatch. Applications may be made on the day of harvest. Application rates are based on a standard of 500 gallons of dilute spray per acre for mature trees 25 to 35 feet high.

**MOSQUITOES**

**OUTDOOR ADULT MOSQUITO CONTROL:** For control of mosquitoes outdoors, use a 2% to 5% Malathion area fog spray. For a 2% spray, dilute 1 part of MALATHION 5 with 28 parts of water; for 5%, dilute 1 to 11. Repeat as necessary.

Treat shrubbery and vegetation where mosquitoes may rest. Shrubby and vegetation around stagnant pools, marshy areas, ponds and shore lines may be treated. Application of this product to any body of water is prohibited.

**MOSQUITO LARVAE CONTROL:** For control of mosquito larvae in standing water, intermittently flooded areas, stagnant water, and temporary rain pools, apply 13 ounces of MALATHION 5 per acre. Mix in sufficient water or oil to obtain even coverage when applied by air or ground equipment. NOTE: CONTAMINATION OF SHALLOW, FISH-BEARING WATERS MAY KILL FISH. 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.

**FLIES**

**OUTDOOR FLY CONTROL:** For the control of flies around buildings which house domestic animals, around yards and around homes, apply a spray containing 2 gallons of MALATHION 5 in 100 gallons of water. Apply the spray at the rate of one gallon per 1,000 square feet on painted surfaces, and two gallons per 1,000 square feet on unpainted surfaces where flies alight or congregate. Repeat applications as necessary.

For a bait spray, use 2 gallons of MALATHION 5 with two gallons of unsulfurized molasses or corn syrup, or 20 pounds of sugar per 100 gallons of water. Use 3 gallons of this product with 40 pounds of sugar per 100 gallons if the fly population is severe. Repeat applications as necessary.

Do not use indoors. Avoid contamination of feed and food products. Do not use in dwellings. Keep out of reach of children.

**GRAIN STORAGE**

For the protection of stored grains, such as wheat, oats, corn, rye and barley. To control confused flour beetle, rice weevil, granary weevil, saw-toothed grain beetle, flat grain beetle, red flour beetle, rusty grain beetle, lesser grain borer, Indian meal moth and cereal leaf beetle, apply MALATHION 5 to walls, floors and machinery in grain elevators, grain bins, truck beds and box cars before loading grain. Mix one (1) gallon of MALATHION 5 with 25 gallons of water and spray surfaces to point of run-off. Clean elevators, box cars, etc. thoroughly before applying spray. Remove and burn all sweepings and debris. Do not apply directly to grain.

CROP	INSECTS CONTROLLED	AMOUNT TO APPLY PER ACRE	PREHARVEST (DAYS) OR GRAZING INTERVALS
<b>CITRUS</b>			
Grapefruit, Lemons, Limes, Oranges, Tangerines	California Red Scale, Yellow Scale, Black Scale, Soft Scale, Citrocicola Scale	1½ pints	7
	Red Scale, Purple Scale	1¼ - 2 pints	
	Thrips Do not apply during full bloom.	1¼ pints	
<b>FIELD CROPS</b>			
Cotton  For control of worms and weevils, use in combination with other recommended insecticides.	Boll Weevil	1 - 2 quarts	0
	Desert Spider Mite, Cotton Aphid, Leafhoppers, White Flies, Cotton Leafworm, Brown Cotton Leafworm, Cotton Leaf Perforator, Thrips, Lygus Bugs	1 - 2 quarts	
	Fleahoppers	1 - 1½ pints	
	Fall Armyworms, Grasshoppers, Garden Webworms	1½ - 3 pints	
<b>FORAGE CROPS</b>			
Alfalfa, Clover, Grass, Grass Hay, Pasture and Range Grass	Armyworms	2 - 2 ¼ pints	0
	Grasshoppers, Aphids, Leafhoppers, Lygus Bugs, Spider Mites, Alfalfa Weevil Larvae, Spittlebug	1½ - 2 pints	
<b>GRAIN CROPS</b>			
Barley, Corn, Oats, Rye, Wheat	Cereal Leaf Beetle	1 - 1½ pints	7 5 corn
	English Grain Aphid, Greenbugs, Grasshoppers -- Make full coverage to hatching areas when nymphs are young.	1 ½ pints	
	Armyworms	2 pints	
	Grasshoppers, Aphids, Leafhoppers, Spider Mites, Alfalfa Weevil Larvae, Spittlebug	1 ½ - 2 pints	
<b>VEGETABLES AND FRUITS</b>			
BEANS Lima, Green, Snap, Navy, Red Kidney, Wax, Cow-peas, Black-eyed Peas	Mexican Bean Beetles	1½ pints	1
	Leafhoppers, Aphids, Cucumber Beetles, Bean Leaf Beetles, Blister Beetles, Lygus Bugs	2 pints	
	Spider Mites	1 - 1½ pints	

CROP	INSECTS CONTROLLED	AMOUNT TO APPLY PER ACRE	PREHARVEST (DAYS) OR GRAZING INTERVALS
	Japanese Beetles Make 2 or more applications as needed.	1½ - 2 pints	
Dry Beans (California and Northwest Only)	Lygus Bugs	1½ - 2 pints (ground) 1½ pints (air) in 10 gallons of water	1 PHI Do not feed treated vines/forage to livestock or allow livestock to graze in treated fields.
CELERY To be applied to fresh leaves and stalks only.	Aphids, Spider Mites	1½ pints	7
CHERRIES* *Not registered in California	Black Cherry Aphid Fruit Tree Leafroller	1½ pints/100 gal.	3
	Cherry Fruit Fly Japanese Beetle Eyespotted Bud Moth	1 pint/100 gal.	
	The rates for use on cherries are based on a standard of 400 gallons per acre dilute spray for mature trees. Do not apply more than 8 lbs. of actual MALATHION 5 per acre to cherry trees. Injury may occur on certain varieties of sweet cherries, particularly in the Northwest.		
COLE CROPS AND LEAFY VEGETABLES Broccoli, Brussels Sprouts, Cabbage, Collards, Dandelions, Kale, Kohlrabi, Mustard Greens, Parsley, Swiss Chard, Turnips, Watercress	Aphids	1½ - 2 pints	7 3 Turnips and Broccoli 21 Parsley
	Flea Beetles (on Mustard Greens only)	1½ - 2 pints	
	Imported Cabbage Worms, Diamond-Back Moth Larvae (on Cauliflower, Collards, Brussels Sprouts and Broccoli only)	2 pints	
	Harlequin Cabbage Bugs (on Collards only)	1 pint	
	Cabbage Loopers	1 - 2 pints	
	Diamondback Moths, Webworms	2 pints	
EGGPLANT	Aphids, Spider Mites	1 pint	3 cccccc
	Lacebugs	3 pints	
ENDIVE	Aphids, Spider Mites	1½ - 2 pints	7 cccc
GARLIC, SHALLOTS	Aphids, Thrips	1½ - 2 pints	cccccc 3 cccc
HOPS	Aphids, Spider Mites	1 pint	cccccc 10 cccc
LEEKS	Aphids	1½ - 2 pints	cccccc 3 cccccc cccccc
	Onion maggot flies	2½ pints	
	Thrips	3 pints	
LENTILS	Cowpea aphids, Pea aphids	1½ pints	3 cccccc
	Do not feed treated vines/forage to livestock or allow livestock to graze in treated fields.		
LETTUCE NOTE: For control of cabbage loopers, use in combination with other recommended insecticides	Leafhoppers, Aphids	2 pints	14-leaf 7-head
	Cabbage Loopers	3 pints	
SPINACH	Aphids	2 pints	7



CROP	INSECTS CONTROLLED	AMOUNT TO APPLY PER ACRE	PREHARVEST (DAYS) OR GRAZING INTERVALS
CUCURBITS Cucumbers, Squash, Pumpkins  Do not apply unless plants are dry.	Aphids, Spider Mites, Pickleworms	1½ pints	1  Pumpkins 3
	Leaf miners	2 pints	
	Cucumber Beetles, Squash Vine Borers	3 pints	
MELONS Cantaloupes, Honeydew melons, Watermelons	Aphids, Spider Mites	1½ - 2 pints	1
	Leafhoppers, Pickleworm	2½ - 2¾ pints	
	Cucumber Beetle	2 pints	
MUSHROOMS Make thorough applications as soon after picking as possible. Repeat as necessary, usually twice a week.	Mites, Phorid and Sciarid flies	2½ pints in 130 gallons of water; or, 2 tablespoons in 3 gallons of water per 1000 square feet of bed	1
OKRA  Make no application after pods start to form.	Aphids	1½ pints	1
	Japanese beetles	2 pints	
ONIONS	Onion maggots	1½ - 2½ pints	3
	Onion thrips	1½ - 2 pints	
STRAWBERRIES	Aphids, Spider Mites	1½ pints	3
	Field crickets, Lygus bugs, Spittlebugs, Thrips	1½ - 3 pints	
	Potato leafhoppers, Strawberry leafrollers, Strawberry root weevils, Whiteflies	1½ - 2½ pints	
SWEETCORN Injury may occur in the whorl or to the silks.	Japanese beetles	2 pints	5
PEPPERMINT SPEARMINT	Aphids, Flea beetles, Leafhoppers, Spider mites	1½ pints	7
PEAS	Pea Weevil *	1½ - 2 pints	3
	Do not feed treated vines/forage to livestock or allow livestock to graze in treated fields.		
PEPPERS	Aphids	1 pint	3
	Pepper maggots	2½ pints	

CROP	INSECTS CONTROLLED	AMOUNT TO APPLY PER ACRE	PREHARVEST (DAYS) OR GRAZING INTERVALS
POTATOES	Aphids, Leafhoppers, Mealybugs	1 pint	0
	False Chinch Bugs	1½ pints	
	Grasshoppers	2 pints	
RICE	Rice leaf miners. Make first application shortly after the first rice blades appear on the surface of the water and repeat if necessary.	2½ pints	7
	Rice stink bugs. Apply by airplane in 2 gallons of water per acre during the early milk and dough stage of growing rice. Repeat applications as necessary.	1 - 1½ pints	
	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.		
ROOT CROPS Beets (table and garden)  Horseradish, Parsnips, Radishes, Salsify  Rutabagas  Sweet Potatoes	Aphids	1½ - 2 pints	7  If tops are to be used as feed.
	Aphids	1½ - 2 pints	7
	Aphids	1½ pints	3
	Leafhoppers	1½ - 2 pints	3
	Morningglory Leafhoppers	2½ - 3 pints	3
TOMATOES (outdoors)	Spider Mites	1½ pints	1
	Aphids	1 pint	
	Drosophila	2½ pints	
	Armyworms, Fruitworms (California only)	2¾ quarts	3
GRAPES The rates for use on grapes are based on a standard of 200 gallons per acre dilute spray. Injury may occur on grapes of Almeria, Cardinal, Italia and Riberia varieties when sprays containing MALATHION 5 are applied after clusters appear.	Leafhoppers Spider mites	3 pints	3  C C C C C C C C C C C C C C C  C
	European Fruit Lecanium Make full coverage applications when newly hatched nymphs are migrating over vines, usually shortly after bloom.	3 pints	
	Mealybugs Apply in 50-100 gallons of water per acre.	1½ pints	

INSECTICIDE, LIQUID, NOS (CONTAINS MALATHION) COMBUSTIBLE LIQUID, NA 1993, RQ

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