

GROUP 1B INSECTICIDE

Malathion 5EC

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

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

Net Content: __

IF IN EYES:

Hold eye open and rinse slowly and gently with water for 15 to 20 minutes.

FIRST AID

- Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
- · Call a poison control center or doctor for treatment advice.

IF SWALLOWED:

- 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.

IF ON SKIN OR CLOTHING:

• 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.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For information on this pesticide product (including health concerns, medical emergencies or pesticide incidents), call the National Pesticide Information Center at 1-800-858-7378.

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.

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)

Some materials that are chemical-resistant to this product are barrier laminate or viton. If you want more options, follow the instructions for category G on an EPA chemical-resistance category selection chart.

For All Formulations and Use Patterns – Mixers, loaders, applicators, flaggers and other handlers must wear: Long-sleeved shirt and long pants, chemical-resistant gloves (pilots must wear chemicalresistant 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, chemical resistant apron, and protective eyewear such as safety glasses, face shield, or goggles.

For All Airblast Applications – Applicators must wear: Longsleeved shirt and long pants, shoes plus socks, chemical-resistant gloves (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 aquatic organisms, including fish and invertebrates. This product may contaminate water through drift of spray in wind. This product has a high potential for runoff after application. Use care when applying in or to an area which is adjacent to any body of water, and do not apply when weather conditions favor drift from target area. Poorly draining soils and soils with shallow water tables are more prone to product runoff that contains this product.

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

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 any waterproof material, 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.

RESISTANCE MANAGEMENT

MALATHION 5EC contains a Group 1B insecticide or acaricide. Insect/mite biotypes with acquired resistance to Group 1B may eventually dominate the insect/mite population if Group 1B insecticides or acaricides are used repeatedly in the same field or in successive years as the primary method of control for targeted species. This may result in partial or total loss of control of those species by this product or other Group 1B insecticides or acaricides.

To delay insecticide or acaricide resistance, consider:

- Avoiding the consecutive use of this product or other Group 1B insecticides/acaricides that have similar target site of action on the same insect/mite species.
- Using tank mixtures or premixes with insecticides/acaricides from a different target site action Group as long as the involved products are all registered for the same use and have different sites of action.
- Basing insecticide/acaricide use on a comprehensive IPM program.
- · Monitoring treated insect/mite populations for loss of field efficacy.
- Contacting your local extension specialist, certified crop advisors, and/or manufacturer for insecticide/acaricide resistance management and/or IPM recommendations for specific site and resistant pest problems.

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.

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

For aerial applications, the spray boom should be mounted on the aircraft as to minimize drift caused by wingtip or rotor vortices. The minimum practical boom length should be used and must not exceed 75% of wing span or 90% rotor diameter. Aerial applicators must consider flight speed and nozzle orientation in determining droplet size. When applications are made with a cross-wind, the swath will be displaced downwind. The applicator must compensate for this displacement at the downwind edge of the application area by adjusting the path of the aircraft upwind. Spray should be released at the lowest height consistent with pest control and flight safety. Applications more than 10 feet above the crop canopy should be avoided.

Apply only when weather conditions are favorable. Wind and rising air currents may cause undesirable spray drift and reduce insect control. Mist blowers and boom sprayers utilizing a controlled air flow to facilitate particle size 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.

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/A by ground equipment or using minimum of 2 gallons of water/A by air equipment unless otherwise specified. Best results are obtained with uniform coverage. Use higher rate when insect pressure is heavy.

VEGETABLES

Vegetable Crop	Pest Controlled	Rate Per Acre	PHI (Days)
Asparagus (REI = 12 hrs.)	Asparagus aphids, Asparagus beetles	2 pts.	1
	Thrips	1.5 to 2 pts.	1
USE RESTRICT	TIONS: The maximum	application rate	e is 1.25
	nts of this product) per ac		
application per ye	ear is 2; Minimum retreat	ment interval is	7 days.
Beets (Garden	Aphids	1.5 to 2 pts.	7
ncluding Tops)	SPECIFIC DIRECTION		,
(REI = 12 hrs.)	days of harvest if tops a feed.		
	TIONS: The maximum		
	nts of this product) per aci		
	r year is 3; the minimum	retreatment int	erval is 7
	pply to Sugarbeets.	44-0-1	
Broccoli,	Aphids, Cabbage	1 to 2 pts.	2
Chinese broccoli,	loopers, Carrot wee- vils, Flea beetles, Im-		
Broccoli raab	ported cabbageworms		
(REI = 48 hrs.)			
pounds a.i. (2 pin of applications pe s 7 days.	FIONS: The maximum ants of this product) per acter year is 2; and the minim	re; the maximur	n numbe
Brussel sprouts	Aphids, Cabbage	1 to 2 pts.	2
(REI = 48 hrs.)	loopers, Carrot wee-		
	vils, Flea beetles, Im-		
	ported cabbageworms		
USE RESTRICT pounds a.i. (2 pir of applications per is 7 days.	nts of this product) per act er year is 2; and the minir	num retreatmei	n numbei nt interva
bounds a.i. (2 pir of applications per s 7 days. Cabbage, Chinese cabbage	nts of this product) per act er year is 2; and the minin Aphids, Cabbage loopers, Carrot wee- vils, Diamondback moth, Flea beetles, Imported cabbage- worms, Webworm SPECIFIC DIRECTION	num retreatmen	nt interva
pounds a.i. (2 pir of applications per is 7 days. Cabbage, Chinese cabbage (REI = 48 hrs.)	Aphids, Cabbage loopers, Carrot wee- vils, Diamondback moth, Flea beetles, Imported cabbage- worms, Webworm SPECIFIC DIRECTION Summer and Fall plan leaves appear. On othe insects, begin application	num retreatmen 1 to 2 pts. IS: For Catern tings, begin w r plantings and n when insects	7 Dillars or hen true for other appear.
pounds a.i. (2 pir of applications po is 7 days. Cabbage, Chinese cabbage (REI = 48 hrs.) USE RESTRICT pounds a.i. (2 pir	Aphids, Cabbage loopers, Carrot wee- vils, Diamondback moth, Flea beetles, Imported cabbage- worms, Webworm SPECIFIC DIRECTION Summer and Fall plar leaves appear. On othe insects, begin application FIONS: The maximum ants of this product) per acter er year is 6; and the mining	num retreatmen 1 to 2 pts. IS: For Catern tings, begin w r plantings and in when insects application rate re; the maximur	pillars or hen true for other appear. e is 1.25 n number
oounds a.i. (2 pir of applications per s 7 days. Cabbage, Chinese cabbage (REI = 48 hrs.) JSE RESTRICT counds a.i. (2 pir of applications per	Aphids, Cabbage loopers, Carrot wee- vils, Diamondback moth, Flea beetles, Imported cabbage- worms, Webworm SPECIFIC DIRECTION Summer and Fall plan leaves appear. On othe insects, begin application TIONS: The maximum ants of this product) per action	num retreatmen 1 to 2 pts. IS: For Catern tings, begin w r plantings and in when insects application rate re; the maximur	pillars or hen true for other appear. e is 1.25 n number

Crop	Pest Controlled	Rate Per Acre	PHI (Days)
Cauliflower (REI = 48 hrs.)	Aphids, Cabbage loopers, Carrot wee- vils, Diamondback moth, Flea beetles, Imported cabbage- worms, Webworm	1 to 2 pts.	2
pounds a.i. (2 pir of applications po is 7 days.	FIONS: The maximum its of this product) per act er year is 2; and the minin	re; the maximur mum retreatmer	n number
Chayote fruits (REI = 24 hrs.)	Aphids, Cut worms, Darkling ground bee- tles, Leafhoppers, Pickleworms, Spider mites, Squash vine borers, Thrips	1.5 to 2.8 pts.	1
pounds a.i. (2.8 p	FIONS: The maximum ints of this product) per act er year is 2; and the minin	cre; the maximur	n number
Chayote roots (REI = 24 hrs.)	Aphids, Cut worms, Darkling ground bee- tles, Leafhoppers, Pickleworms, Spider mites, Squash vine borers, Thrips	1.5 to 2.5 pts.	1
pounds a.i. (2.5 p	TIONS: The maximum ints of this product) per ac er year is 2; and the minin	cre; the maximur	n number
a.i. (2.4 pints of t	Aphids, Spider mites ONS: The maximum app his product) per acre; the ar is 2; and the minimum	maximum num	ber of ap-
days. Collards (REI = 12 hrs.)	Aphids, Harlequin cabbage bug, Leafhoppers, Leafmin- ers, Smaller cabbage	1.5 pts.	7
days. Collards (REI = 12 hrs.) USE RESTRICT a.i. (1.6 pints of t plications per ye	Aphids, Harlequin cabbage bug, Leafhoppers, Leafmin-	1.5 pts. plication rate is maximum num	7 5 1 pound ber of ap-
days. Collards (REI = 12 hrs.) USE RESTRICT a.i. (1.6 pints of t	Aphids, Harlequin cabbage bug, Leafhoppers, Leafmin- ers, Smaller cabbage looper IONS: The maximum ap his product) per acre; the	1.5 pts. plication rate is maximum num	7 5 1 pound ber of ap-
days. Collards (REI = 12 hrs.) USE RESTRICT a.i. (1.6 pints of t plications per ye days. Cucumbers (REI = 24 hrs.) USE RESTRICT pounds a.i. (2.8 p of applications per	Aphids, Harlequin cabbage bug, Leafhoppers, Leafmin- ers, Smaller cabbage looper IONS: The maximum ap his product) per acre; the ar is 3; and the minimum Aphids, Cucumber beetles, Cutworms, Darkling ground bee- tles, Leafhoppers, Leafminers, Pickle- worms, Spider mites, Squash vine borers,	1.5 pts. plication rate is maximum num retreatment int 1.5 to 2.8 pts.	7 1 pound ber of ap- rerval is 7 1 e is 1.75 n number
days. Collards (REI = 12 hrs.) USE RESTRICT a.i. (1.6 pints of t plications per ye days. Cucumbers (REI = 24 hrs.) USE RESTRICT pounds a.i. (2.8 p of applications pr is 7 days. Dandelions (REI = 24 hrs.)	Aphids, Harlequin cabbage bug, Leafhoppers, Leafmin- ers, Smaller cabbage looper IONS: The maximum ap his product) per acre; the ar is 3; and the minimum Aphids, Cucumber beetles, Cutworms, Darkling ground bee- tles, Leafhoppers, Leafminers, Pickle- worms, Spider mites, Squash vine borers, Thips TIONS: The maximum ints of this product) per ac er year is 2; and the minim	1.5 pts. plication rate is maximum num retreatment int 1.5 to 2.8 pts. application rate re; the maximum mum retreatmen 1.5 to 2 pts.	7 1 pound ber of ap- erval is 7 1 e is 1.75 n number nt interval 7
days. Collards (REI = 12 hrs.) USE RESTRICT a.i. (1.6 pints of t plications per ye days. Cucumbers (REI = 24 hrs.) USE RESTRICT pounds a.i. (2.8 p of applications pr is 7 days. Dandelions (REI = 24 hrs.) USE RESTRICT pounds a.i. (2 pir of applications pr	Aphids, Harlequin cabbage bug, Leafhoppers, Leafmin- ers, Smaller cabbage looper IONS: The maximum ap his product) per acre; the ar is 3; and the minimum Aphids, Cucumber beetles, Cutworms, Darkling ground bee- tles, Leafhoppers, Leafminers, Pickle- worms, Spider mites, Squash vine borers, Thrips TIONS: The maximum ints of this product) per ac	1.5 pts. plication rate is maximum number retreatment int 1.5 to 2.8 pts. application rate re; the maximum retreatment 1.5 to 2 pts. application rate re; the maximum retreatment 1.5 to 2 pts. application rate re; the maximum	7 1 pound ber of ap- erval is 7 1 e is 1.75 n number nt interval 7 e is 1.25 n number
days. Collards (REI = 12 hrs.) USE RESTRICT a.i. (1.6 pints of t plications per ye days. Cucumbers (REI = 24 hrs.) USE RESTRICT pounds a.i. (2.8 p of applications pr is 7 days. Dandelions (REI = 24 hrs.) USE RESTRICT pounds a.i. (2 pir	Aphids, Harlequin cabbage bug, Leafhoppers, Leafmin- ers, Smaller cabbage looper IONS: The maximum ap his product) per acre; the ar is 3; and the minimum Aphids, Cucumber beetles, Cutworms, Darkling ground bee- tles, Leafhoppers, Leafnoppers, Leafminers, Pickle- worms, Spider mites, Squash vine borers, Thips TIONS: The maximum ints of this product) per acre Aphids TIONS: The maximum Aphids	1.5 pts. plication rate is maximum number retreatment int 1.5 to 2.8 pts. application rate re; the maximum retreatment 1.5 to 2 pts. application rate re; the maximum retreatment 1.5 to 2 pts. application rate re; the maximum	7 1 pound ber of ap- erval is 7 1 e is 1.75 n number nt interval 7 e is 1.25 n number

Vegetable Crop	Pest Controlled	Rate Per Acre	PHI (Days)
Endive (Escarole)	Aphids, Spider mites	1.5 to 2 pts.	7
(REI = 24 hrs.)			
	FIONS: The maximum		
pounds a.i. (2 pir	nts of this product) per ac er year is 2; and the minir	re; the maximun	n number
is 7 days.	er year is 2, and the minin	num retreatmen	it intervar
Garlic, Shallots (REI = 24 hrs.)	Aphids, Thrips	1.5 to 2.5 pts.	3
	FIONS: The maximum		
	ints of this product) per ac		
	er year is 3 for Garlic an ment interval is 7 days.	a 2 for Shallots	; and the
Horseradish	Aphids, Diamondback	1.5 to 2 pts.	7
(REI = 24 hrs.)	moth, Flea beetles,		
	Leafhoppers		
	FIONS: The maximum		
	nts of this product) per ac		
s 7 days.	er year is 3; and the minir	numretreatmen	n interval
Kale	Aphids, Cabbage	1 to 1.6 pts	7
(REI = 12 hrs.)	loopers, Imported cab-		
	bageworms		
	Diamondback moth,	1.6 pts.	
	Webworms	nligation rate is	1
	IONS: The maximum ap his product) per acre; the		
	ar is 3; and the minimum		
days.			
Kohlrabi	Aphids, Cabbage	1 to 2 pts.	7
(REI = 24 hrs.)	loopers, Carrot wee-		
	vils, Diamondback		
	moth, Flea beetles,		
	Imported cabbage- worms. Webworms		
USE RESTRICT	worms, Webworms	lication rate is 1.	25 pound
a.i. (2 pints of this	worms, Webworms IONS: The maximum appl s product) per acre; the m	aximum numbe	r of appli-
a.i. (2 pints of this cations per year	worms, Webworms IONS: The maximum appl	aximum numbe	r of appli-
a.i. (2 pints of this cations per year days.	worms, Webworms IONS: The maximum appl s product) per acre; the m is 2; and the minimum	aximum numbe retreatment inte	r of appli- erval is 7
a.i. (2 pints of this cations per year days. Leek	worms, Webworms IONS: The maximum appl s product) per acre; the m is 2; and the minimum Aphids, Onion	aximum numbe	r of appli-
a.i. (2 pints of this cations per year days. Leek (REI = 24 hrs.)	worms, Webworms IONS: The maximum appl s product) per acre; the m is 2; and the minimum Aphids, Onion maggots, Thrips	aximum numbe retreatment inte 1.5 to 2.5 pts.	r of appli- erval is 7 3
a.i. (2 pints of this cations per year days. Leek (REI = 24 hrs.) USE RESTRIC	worms, Webworms IONS: The maximum appl s product) per acre; the m is 2; and the minimum Aphids, Onion	aximum numbe retreatment into 1.5 to 2.5 pts. application rate	r of appli- erval is 7 3 e is 1.56
a.i. (2 pints of this cations per year days. Leek (REI = 24 hrs.) USE RESTRIC pounds a.i. (2.5 p of applications p	worms, Webworms IONS: The maximum appl s product) per acre; the m is 2; and the minimum Aphids, Onion maggots, Thrips ITIONS: The maximum	aximum numbe retreatment into 1.5 to 2.5 pts. application rate cre; the maximur	r of appli- erval is 7 3 e is 1.56 m number
a.i. (2 pints of this cations per year days. Leek (REI = 24 hrs.) USE RESTRIC pounds a.i. (2.5 p of applications pr is 7 days.	worms, Webworms IONS: The maximum appl s product) per acre; the m is 2; and the minimum Aphids, Onion maggots, Thrips FIONS: The maximum ints of this product) per ac er year is 2; and the minin	aximum numbe retreatment into 1.5 to 2.5 pts. application rate re; the maximur mum retreatmer	r of appli- erval is 7 3 e is 1.56 n number nt interval
a.i. (2 pints of this cations per year days. Leek (REI = 24 hrs.) USE RESTRIC pounds a.i. (2.5 p of applications p is 7 days. Lettuce (Head,	worms, Webworms IONS: The maximum appl s product) per acre; the m is 2; and the minimum Aphids, Onion maggots, Thrips TIONS: The maximum ints of this product) per ac er year is 2; and the minin Aphids; Leafhoppers	aximum numbe retreatment into 1.5 to 2.5 pts. application rate re; the maximur mum retreatmer 2 to 3 pts.	r of appli- erval is 7 3 e is 1.56 m number
a.i. (2 pints of this cations per year days. Leek (REI = 24 hrs.) USE RESTRIC pounds a.i. (2.5 p of applications p is 7 days. Lettuce (Head, Leaf)	worms, Webworms IONS: The maximum appl s product) per acre; the m is 2; and the minimum Aphids, Onion maggots, Thrips TIONS: The maximum ints of this product) per ac er year is 2; and the minir Aphids; Leafhoppers Cabbage loopers,	aximum numbe retreatment into 1.5 to 2.5 pts. application rate re; the maximur mum retreatmer	r of appli- erval is 7 3 e is 1.56 n number nt interval
a.i. (2 pints of this cations per year days. Leek (REI = 24 hrs.) USE RESTRIC pounds a.i. (2.5 p of applications p is 7 days. Lettuce (Head, Leaf) (REI = 24 hrs.)	worms, Webworms IONS: The maximum appl s product) per acre; the m is 2; and the minimum Aphids, Onion maggots, Thrips TIONS: The maximum ints of this product) per ac er year is 2; and the minin Aphids; Leafhoppers Cabbage loopers, Spider mites	aximum numbe retreatment inte 1.5 to 2.5 pts. application rate re; the maximur mum retreatmer 2 to 3 pts. 2.5 to 3 pts.	r of appli- erval is 7 3 e is 1.56 n number nt interval 14
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Vegetable Crop	Pest Controlled	Rate Per Acre	PHI (Days)
Mustards (mustard green, mustard spinach, Chinese mustard, Mizuna) (REI = 12 hrs.)	Aphids, Cabbage loopers, Diamondback moth, Imported cab- bageworms, Flea bee- tles, Webworms	1.6 pts.	7
USE RESTRICT a.i. (1.6 pints of t	IONS: The maximum ap his product) per acre; the ar is 3; and the minimum	maximum numl	per of ap-
Okra	Aphids Japanese beetles	1.5 pts. 1.9 pts.	1
USE RESTRICT a.i. (1.9 pints of t	IONS: The maximum appl his product) per acre; the ar is 5; and the minimum	lication rate is 1. maximum numl	ber of ap-
Onions (Bulb, Green)	Onion maggots	1.5 to 2.5 pts.	3
(REI = 12 hrs.)	Onion thrips	1.5 to 2 pts.	
pounds a.i. (2.5 p	FIONS: The maximum a bints of this product) per ac er year is 2; and the minir	re; the maximur	n number
Parsley (REI = 7 days)	Aphids, Cabbage loopers, Carrot wee- vils, Diamondback moth, Flea beetles, Imported cabbage- worms, Webworm	1.5 to 2.4 pts.	7
a.i. (2.4 pints of t	IONS: The maximum appl his product) per acre; the ar is 2; and the minimum	maximum numl	ber of ap-
Parsnips (REI = 24 hrs.)	Aphids, Cabbage loopers, Carrot wee- vils, Diamondback moth, Flea beetles, Imported cabbage- worms, Webworm	1.5 to 2 pts.	7
pounds a.i. (2 pir	FIONS: The maximum ants of this product) per action of this product) per action of the minimum structure of the minimum	re; the maximun	n number
Peas (Dry, Succulent)	Aphids, Grasshop- pers, Pea weevils	1.6 pts.	3
(REI = 12 hrs.)	Leafhoppers	1.25 to 1.6 pts.	
a.i. (1.6 pints of t	I IONS: The maximum ap his product) per acre; the ar is 2; and the minimum	plication rate is maximum numl	ber of ap-
Peppermint, Spearmint (REI = 12 hrs.)	Aphids, Caterpillars, Flea beetles, Leafhop- pers, Spider mites	1.5 pts.	7
a.i. (1.5 pints of t	IONS: The maximum appl his product) per acre; the ar is 3; and the minimum	maximum numl	ber of ap-
Peppers (REI = 12 hrs.)	Aphids Pepper maggots	1 to 2.5 pts. 2.5 pts.	3
USE RESTRICT	IDNS: The maximum appl his product) per acre; the ar is 2; and the minimum	lication rate is 1. maximum numl	ber of ap-
		(Co	ntinued)

Vegetable Crop	Pest Controlled	Rate Per Acre	PHI (Days)
Potatoes (REI = 12 hrs.)	Aphids, Grasshop- pers, Leafhoppers	2 pts.	0
	False chinch bugs	1.5 pts.	
	Mealybugs	2 to 2.5 pts.	
	TIONS: The maximum		
	pints of this product) per ac		
is 7 days.	er year is 2; and the minir	num retreatmen	nt interval
Pumpkin	Aphids, Cucumber	1.5 pts.	1
(REI = 12 hrs.)	beetles, Leafhoppers,		
	Pickleworms, Spider		
	mites, Squash vine		
	borer 'IONS: The maximum ap	plication rate is	1 nound
a.i. (1.6 pints of t	his product) per acre; the ar is 2; and the minimum	maximum num	ber of ap-
Radish	Aphids	1.5 pts.	7
(REI = 12 hrs.)			
	IONS: The maximum ap		
	his product) per acre; the ar is 3; and the minimum		
Rutabagas	Aphids	1.5 pts.	7
(REI = 12 hrs.)		-	
	IONS: The maximum ap		
	his product) per acre; the ar is 3; and the minimum		
Salsify	Aphids, Cabbage	1 to 2 pts.	7
(REI = 24 hrs.)	loopers, Carrot wee-		
	vils, Flea beetles,		
	Imported cabbage- worms, Leafhoppers,		
	Spider mites, Thrips		
USE RESTRIC	FIONS: The maximum a	application rate	e is 1.25
pounds a.i. (2 pir of applications p	nts of this product) per act er year is 3; and the minir	re; the maximur	n number
is 7 days. Spinach (REI = 12 hrs.)	Aphids	1.6 pts.	7
USE RESTRICT	ONS: The maximum appl	ication rate is 1	pound a.i.
	product) per acre; the max		
tions per year is 2	2; and the minimum retreat	tment interval is	7 days.
Squash	Aphids, Cucumber	2 to 2.8 pts.	1
(Summer) (REI = 24 hrs.)	beetles, Cutworms, Darkling ground		
(IVEI - 24 III3.)	beetles, Leafhoppers,		
	Leafminers,		
	Pickleworms, Spider		
	mites, Squash vine		
	borer, Thrips		
a.i. (2.8 pints of th	IONS: The maximum appl his product) per acre; the m s 3; and the minimum retre	naximum numbe	er of appli-
Squash	Aphids, Cucumber	1.6 pts.	1
(Winter)	beetles, Leafminers,	-	
(REI = 12 hrs.)	Pickleworms, Spider		
	mites, Squash vine borer		
USE RESTRICT	IONS: The maximum appl	ication rate is 1	pound a i
(1.6 pints of this	product) per acre; the max 3; and the minimum retrea	kimum number d	of applica-
Sweet potatoes	Leafhoppers,	1.5 to 2.5 pts.	0
(REI = 12 hrs.)	Morningglory leafminer		
	IONS: The maximum appl		
	nis product) per acre; the m		
cations per year i	s 2; and the minimum retre	eatment interval	is / days.

Vegetable Crop	Pest Controlled	Rate Per Acre	PHI (Days)
Swiss chard (REI = 12 hrs.)	Aphids	1.6 pts.	14
	IONS: The maximum ap		
	his product) per acre; the ar is 2; and the minimum		
Tomatoes,	Aphids, Spider mites	1.5 pts.	1
Tomatillos (REI = 12 hrs.)	Armyworms, Drosophila, Fruit- worms (CA only)	2.5 pts.	
	TIONS: The maximum		
	ints of this product) per ac er year is 4; and the mini		
Turnips	Aphids, Cabbage	1 to 2 pts.	1
(Greens, Roots)	loopers, Carrot wee- vils, Imported cab-		
(REI = 12 hrs.)	bageworms		
USE RESTRICT	TIONS: The maximum		
pounds a.i. (2 pir	nts of this product) per ac	re; the maximun	number
	er year is 3; minimum retr		is 5 days
Watercress	and 7 days for turnip roo Aphids	1.6 pts.*	3
$(REI = 12 \text{ hrs.})^*$	Aprilus	(2 pts.)*	5
$(REI = 24 \text{ hrs.})^*$		(= p to t)	
REI is increased pounds a.i. (2 pir	ound a.i. (1.6 pints of thi to 24 hours if applied at t its of this product) per acr er year is 5 and the minin	he maximum ra e. The maximum	te of 1.25 n number
Yam (REI = 24 hrs.)	Leafhoppers	1.5 to 2.5 pts.	0
· · · · · · · · · · · · · · · · · · ·	TIONS: The maximum	application rate	e is 1.56
	ints of this product) per ac er year is 2; and the mini		
FRUIT AND N	IUT CROPS		
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 RESTRICTI	ONS: The maximum app	lication rate is 1.	5 pounds
a.i. (2.4 pints of th	is product) per acre; the n	naximum numbe	r of appli-
	s 2; and the minimum retro		is 7 days.
Avocado (REI = 48 hrs.)	Greenhouse thrips, Latania scales, Omnivorous loopers, Orange tortrix, Soft	7.5 pts.	7
	brown scales		

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,	Aphids, Rose scale	3 pts.	1
Boysenberries,	chafers, Japanese		
Dewberries,	beetles, Leafhop-		
Gooseberries,	pers, Mites, Thrips		
Loganberries,			
Raspberries			
(REI = 12 hrs.)			
USE RESTRICTIO	NS: The maximum appli	ication rate is 2 p	ounds 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. (Continued)

1 pt. per 100 gals. + 1.5 qts. Staley Sauce Bait No. 7 Bait (protein hy-rolysate bait) or Nu-Lure® 2 pts. 1.5 to 2 pts. 1.5 to 2 pts. 1.6 pts. r 2.8 pts. 0 2.8 pts. 100NS: Injury may Sweet cherries. n application rate	m number ent interval	Citrus (Grapefruits, Lemons, Lime, Oranges, Tangerines, Tangelos) (All Other States; Except CA) (REI = 12 hrs.)* (REI = 72 hrs.)* USE RESTRICTIO mum rate of 1.5 pc imum number of a interval of 30 days plied at the maxim uct) per acre; only Currants (REI = 12 hrs.) USE RESTRICTI pounds a.i. (2 pint of applications per is 7 days. Figs (REI = 12 hrs.)* (REI = 12 hrs.)* USE RESTRICTIO mum rate of 1.5 pc ever, the REI is pri rote of 2 nounded	Dunds a.i. application a. Howeve hum rate of 1 applica Japanes Rose ch ONS: Th s of this p r year is 3 Dried fru Vinegar SPECIF 2 gallon ONS: *The bunds a.i.
qts. Staley Sauce Bait No. 7 Bait (protein hy-rolysate bait)) or Nu-Lure® 2 pts. 1.5 to 2 pts. n application rate acre; the maximum retreatment 1.6 pts. n r 2.8 pts. ONS: Injury maysweet cherries. n application rate	m number ent interval	Lemons, Lime, Oranges, Tangerines, Tangelos) (All Other States; Except CA) (REI = 12 hrs.)* (REI = 72 hrs.)* USE RESTRICTIO mum rate of 1.5 pc imum number of a interval of 30 days plied at the maxim uct) per acre; only Currants (REI = 12 hrs.) USE RESTRICTI pounds a.i. (2 pint of applications per is 7 days. Figs (REI = 12 hrs.)* (REI = 12 hrs.)* (REI = 12 hrs.) USE RESTRICTIO mum rate of 1.5 pc ever, the REI is ir	Californi scales, i scales, i scales, i scales, i scales, i scales, i ple scale red scal SPECIF trees are Citrus re Thrips DNS: *The Dunds a.i. pplication a Howeve in 1 application Cons: The soft his p r year is 3 Dried fru Vinegar SPECIF 2 gallon DNS: *The bunds a.i.
Sauce Bait No. 7 Bait (protein hy- rolysate bait) or Nu-Lure® 2 pts. 1.5 to 2 pts. 1.5 to 2 pts. 1.6 pts. 1.6 pts. 1.6 pts. 2.8 pts.	m number ent interval	Oranges, Tangerines, Tangelos) (All Other States; Except CA) (REI = 12 hrs.)* (REI = 72 hrs.)* USE RESTRICTIO mum rate of 1.5 pc imum number of a interval of 30 days plied at the maxim uct) per acre; only Currants (REI = 12 hrs.) USE RESTRICTI pounds a.i. (2 pint of applications per is 7 days. Figs (REI = 12 hrs.)* (REI = 12 hrs.)* (REI = 24 hrs.) USE RESTRICTIO mum rate of 1.5 pc ever, the REI is in	scales, i scales, i scales, i scales, i scales, i scales, i ple scale red scal SPECIF trees an Citrus re Thrips DNS: *The bunds a.i. pplication a paplication a paplication of 1 applicat Japanes Rose ch DNS: The sof this p r year is 3 Dried fru Vinegar SPECIF 2 gallon DNS: *The bunds a.i.
No. 7 Bait (protein hy- rolysate bait) or Nu-Lure® 2 pts. 1.5 to 2 pts. n application rate acre; the maximu inimum retreatment 1.6 pts. r 2.8 pts. 0.0NS: Injury maysweet cherries. n application rate	m number ent interval	Tangerines, Tangelos) (All Other States; Except CA) (REI = 12 hrs.)* (REI = 72 hrs.)* USE RESTRICTIO mum rate of 1.5 pc imum number of a interval of 30 days plied at the maxim uct) per acre; only Currants (REI = 12 hrs.) USE RESTRICTI pounds a.i. (2 pint of applications per is 7 days. Figs (REI = 12 hrs.)* (REI = 12 hrs.)* (REI = 24 hrs.) USE RESTRICTIO mum rate of 1.5 pc ever, the REI is ir	scales, scales, scales, scales, scales, scales, scales, scales, ple scalered scales, scales, scales, ple scalered scales, scales, ple scalered scales,
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2.4 pts* (12 pts.)*	7 the maxi- r acre; the m retreat-	a.i. (3 pints of this p tions per year is 2; Guava (REI = 12 hrs.)	and the n Drosoph SPECIF with 1 p tein or e
2.4 pts* (12 pts.)* nours if applied at f this product) pe ear is 3 at minimu	7 the maxi- r acre; the im retreat- o 72 hours	a.i. (3 pints of this p tions per year is 2; Guava	and the n Drosoph SPECIF with 1 p tein or e
	ONS: Apply when d repeat in 7 to 10 s split. oplication rate is 2 maximum numbe	ONS: Apply when mites ap- d repeat in 7 to 10 days. Do s split. polication rate is 2.5 pounds maximum number of appli- m retreatment interval is 7 2.4 pts.* 7	ONS: Apply when mites ap- d repeat in 7 to 10 days. Do s split. all other activities) oplication rate is 2.5 pounds maximum number of appli- m retreatment interval is 7 USE RESTRICTIO a.i. (3 pints of this p tions per year is 2;

Fruit and Nut	Pest Controlled	Rate Per	PHI
Crops		Acre	(Days)
Citrus	Black scales (single	2.4 pts.*	7
(Grapefruits,	and off-brooded), California red	(7.2 pts.)*	
Lemons, Lime,			
Oranges, Tangorinos	scales, Citricola		
Tangerines, Tangelos)	scales, Purple scales, Soft brown		
(All Other	scales, Solt brown		
States; Except	scales, Florida pur-		
CA)	ple scales, Florida		
(REI = 12 hrs.)*	red scales		
(REI = 72 hrs.)*	SPECIFIC DIRECTIO	N· Do not and	l Jv when
	trees are in bloom.		ory which
	Citrus red mites,	2.4 pts*	7
	Thrips	(7.2 pts.)*	
USE RESTRICTIO	ONS: *The REI is 12 ho	urs if applied at	the maxi-
mum rate of 1.5 pc	ounds a.i. (2.4 pints of th	is product) per a	cre; max-
imum number of a	pplications per year is 3	3 at minimum ret	reatment
interval of 30 days	. However, the REI is in	creased to 72 ho	ours if ap-
	um rate of 4.5 pounds a		this prod-
	1 application is allowed		
Currants	Japanese beetles,	2 pts.	1
(REI = 12 hrs.)	Rose chafer, Mites		
	ONS: The maximum		
	s of this product) per ac		
of applications per	year is 3; and the mini	mum retreatmer	nt interval
is 7 days.			
Figs	Dried fruit beetles,	2.4 pts.*	5
(REI = 12 hrs.)*	Vinegar flies	(3.2 pts.)*	
(REI = 24 hrs.)	SPECIFIC USE DIRE	CTIONS: Apply	with 1 to
	2 gallons of unsulfured	d molasses.	
USE RESTRICTION	DNS: *The REI is 12 ho	urs if applied at t	the maxi-
	DNS: *The REI is 12 ho ounds a.i. (2.4 pints of th		
mum rate of 1.5 pc		is product) per a	cre. How-
mum rate of 1.5 pc ever, the REI is ir	ounds a.i. (2.4 pints of th	is product) per ac applied at the r	cre. How- naximum
mum rate of 1.5 pc ever, the REI is ir rate of 2 pounds a	ounds a.i. (2.4 pints of the acreased to 24 hours if	is product) per ad applied at the r duct) per acre. T	cre. How- naximum 'he maxi-
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mum rate of 1.5 pc ever, the REI is ir rate of 2 pounds a mum number of ap interval is 5 days.	bunds a.i. (2.4 pints of the acreased to 24 hours if a.i. (3.2 pints of this pro- oplications per year is 2;	is product) per ac applied at the r duct) per acre. T the minimum ret	cre. How- naximum he maxi- treatment
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mum rate of 1.5 pc ever, the REI is ir rate of 2 pounds a mum number of ap interval is 5 days. Grapes (REI = 72 hrs.	bunds a.i. (2.4 pints of the acreased to 24 hours if a.i. (3.2 pints of this pro- oplications per year is 2; Leafhoppers, Euro- pean fruit lecanium,	is product) per ac applied at the r duct) per acre. T the minimum ret	cre. How- naximum he maxi- treatment
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mum rate of 1.5 pc ever, the REI is ir rate of 2 pounds a mum number of ap interval is 5 days. Grapes (REI = 72 hrs. for girdling and tying; 24 hrs. for	unds a.i. (2.4 pints of th acreased to 24 hours if a.i. (3.2 pints of this pro- oplications per year is 2; Leafhoppers, Euro- pean fruit lecanium, Drosophila, Japan- ese beetles, Spider	is product) per ac applied at the r duct) per acre. T the minimum ret	cre. How- naximum he maxi- treatment
mum rate of 1.5 pc ever, the REI is ir rate of 2 pounds a mum number of ap interval is 5 days. Grapes (REI = 72 hrs. for girdling and tying; 24 hrs. for all other	unds a.i. (2.4 pints of th acreased to 24 hours if a.i. (3.2 pints of this pro- oplications per year is 2; Leafhoppers, Euro- pean fruit lecanium, Drosophila, Japan- ese beetles, Spider mites, Terrapin scale Mealybugs	is product) per ac applied at the r duct) per acre. T the minimum ref 3 pts. 1.5 pts.	cre. How- naximum The maxi- treatment 3
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mum rate of 1.5 pc ever, the REI is ir rate of 2 pounds a mum number of ap interval is 5 days. Grapes (REI = 72 hrs. for girdling and tying; 24 hrs. for all other activities) USE RESTRICTIO a.i. (3 pints of this p tions per year is 2; Grape Vines (Over-wintering on nursery stocks) (REI = 24 hrs.) USE RESTRICTIO a.i. (3 pints of this p tions per year is 2; Guava (REI = 12 hrs.) USE RESTRICTIO a.i. (2 pints of this p	Leafhoppers, European fruit lecanium, Drosophila, Japan- ese beetles, Spider mites, Terrapin scale Mealybugs SPECIFIC DIRECTIC lecaniums – Make fu when newly hatched n vines, usually shortly occur on Grapes of Ali Ribier varieties wher product are applied af INS: The maximum appl oroduct) per acre; the ma and the minimum retreat Grape phylloxera SPECIFIC DIRECTIO from the roots and dip Submerge the entire r Keep the solution agits SPECIFIC USE DIRECTIO from the minimum retreat Drosophila SPECIFIC USE DIRECTIO from the minimum retreat Drosophila SPECIFIC USE DIRECTIO for a cre; the mater and the minimum retreat Drosophila SPECIFIC USE DIRECTIO with 1 pound of partiat tein or enzymatic yeas SNS: The maximum appl	is product) per ac applied at the r duct) per acre. T the minimum ref 3 pts. 1.5 pts. DNS: For Europ II coverage app ymphs are migra after bloom. In meria, Cardinal, n sprays contai ter clusters appe ication rate is 1.8 ximum number of timent interval is 3 pts. per 100 gals. NS: Remove ex in solution of this oot system for 5 ated at all times. ication rate is 1.8 ximum number of timent interval is 1.5 to 2 pts. CTION: Apply thi ally hydrolyzed y st hydrolyzet. ication rate is 1.2 ximum number of	cre. How- naximum The maxi- treatment The maxi- treatment The maxi- treatment The maxi- treatment The maxi- sear. The maxi- sear functions of applica- 14 days. The maxi- treatment treatm

Fruit and Nut Crops	Pest Controlled	Rate Per Acre	PHI (Days)	Fruit C
Kumquat (REI = 48 hrs.)	Black scales (single and off-brooded), California red scales, Citricola	7.2 pts.	7	Peach (REI =
	scales, Purple scales, Soft brown			
	scales, Yellow			
	scales, Florida pur-			
	ple scales, Florida red scales			
	SPECIFIC DIRECTION	DN: Do not app	oly when	
	trees are in bloom. Citrus red mites,	7.2 pts.	7	USE F
	Thrips	7.2 pts.	1	(4.8 pi
	DNS: The maximum app			tions p Pears
a.i. (7.2 pints of th per year.	is product) per acre; on	y 1 application i	s allowed	(REI =
Macadamia nuts (REI = 12 hrs.)	Green stink bugs	1.5 pts.	1	
	INS: The maximum app	lication rate is 0	94 nound	
a.i. (1.5 pints of this	s product) per acre; the r	naximum numbe	r of appli-	
	6; and the minimum retr		is 7 days.	USE
Mangoes (REI = 12 hrs.)	Drosophila	1.5 pts.	1	pound
. ,	NS: The maximum app	lication rate is 0.	94 pound	of app is 7 da
	s product) per acre; the r			Pecar
cations per year is Melons	10; and the minimum retr Aphids, Cucumber	1.6 pts.	is / days.	(REI =
(Other than Wa-	beetles, Leafhop-	1.0 ptc.		
termelon)	pers, Leafminers,			
(REI = 12 hrs.)	Pickleworms, Squash vine borers,			
	Spider mites			
	DNS: The maximum appl oduct) per acre; the max			
	and the minimum retrea			
Nectarines	Plum curculios,	1 to 4.8 pts.	7	USE F
(REI = 24 hrs.)	Spider mites Aphids, Japanese	4 to 4.8 pts.		a.i. (4
	beetles	+ to +.0 pts.		tions p
	SPECIFIC USE DIRE			Pinea (REI =
	aphids and Japanese be mixed with spray oi			USE F
	dormant applications.			(3.2 pi tions p
	turer's directions. Application rates are b	nased on a stan	dard dilu-	Straw
	tion rate of 300 (groun			(REI =
	This product may caus			
	NS: The maximum appli oduct) per acre; the max			
` ` ` `	and the minimum retrea	tment interval is		
Papayas (REI = 12 hrs.)	Aphids, Mealybugs	1.5 to 2 pts.	1	USE F (3.2 pi
	ONS: The maximum s of this product) per ac			tions p
	year is 8; minimum retre			Walnu
Passion fruit	Drosophila	1.5 pts.	3	(REI =
(REI = 12 hrs.)	SPECIFIC USE DIREC with 1 pound partially or enzymatic yeast hy	hydrolyzed yea		
	ONS: The maximum ap		1 pound	
a.i. (1.6 pints of thi	is product) per acre; the	maximum numl	ber of ap-	
plications per year	is 8; minimum retreatm	nent interval is 7	days.	USE F
				a.i. (4 tions p
				Water

Fruit and Nut	Deet Controller	Rate Per	PHI
Crops	Pest Controlled	Acre	(Days)
Peaches	Black cherry aphids,	2.5 to 4.8 pts.	7
(REI = 24 hrs.)	Black peach aphids,		
	European red mites, Green peach aphids,		
	Japanese beetles,		
	Rusty plum aphids,		
	Spider mites		
	Oriental fruit moths,	4.8 pts.	
	Plum curculios, Cot-		
	tony peach scales, European fruit lecani-		
	ums, Terrapin scales		
USE RESTRICTIO	NS: The maximum appli	ication rate is 3 p	ounds a.i.
	roduct) per acre; the max		
	and the minimum retrea		11 days.
Pears	Aphids	1 pt.	1
(REI = 12 hrs.)	Mealybugs, Mites, Pear psylla	1 to 2 pts.	
	Codling moth,	2 pts.	
	Fruittree leafroller,	2 pto.	
	Plum curculio,		
	Redbanded		
	leafhopper		
	ONS: The maximum		
	s of this product) per ac ⁻ year is 2; and the mini		
	ay occur on Bosc pears		
Pecans	Aphids, Spider mites,	1.5 to 4 pts.	7
(REI = 24 hrs.)	Walnut aphids,		
	European red mites,		
	Pecan phylloxera*,		
	Pecan leaf casebearers**, Pecan		
	nut casebearers**.		
	Walnut huskflies**		
	SPECIFIC USE DIRI	ECTIONS: *App	bly when
	buds begin to develop		first gen-
	eration eggs begin to I		
	DNS: The maximum app product) per acre; the ma		
	and the minimum retrea		
Pineapple	Mealybugs	3.2 pts.	7
(REI = 24 hrs.)			
	NS: The maximum appli		
	oduct) per acre; the max		
	and the minimum retrea		
Strawberries (REI = 12 hrs.)	Aphids, Field crickets, Lygus bugs, Potato	1.5 to 3.2 pts.	3
(INCLI - 12 115.)	leafhoppers, Spider		
	mites, Spittlebugs,		
	Strawberry leafrollers,		
	Strawberry root wee-		
	vils, Thrips, Whiteflies		
	NS: The maximum appli		
	oduct) per acre; the max and the minimum retrea		
	Aphids, European	1.5 to 4 pts.	7
Walnuts	Aprilus, European		
	red mites, Walnut		
	red mites, Walnut aphids, Walnut		
	red mites, Walnut aphids, Walnut Huskflies		
	red mites, Walnut aphids, Walnut Huskflies SPECIFIC USE DIRE		
	red mites, Walnut aphids, Walnut Huskflies SPECIFIC USE DIRE combine Staley's Sauc	e Bait No. 2 or N	o. 7 (pro-
	red mites, Walnut aphids, Walnut Huskflies SPECIFIC USE DIRE combine Staley's Sauc tein hydrolysate bait) c	e Bait No. 2 or N	o. 7 (pro-
Walnuts (REI = 24 hrs.) USE RESTRICTIC	red mites, Walnut aphids, Walnut Huskflies SPECIFIC USE DIREC combine Staley's Sauc tein hydrolysate bait) o qts./A.	e Bait No. 2 or N or Nu-Lure at the	o. 7 (pro- rate of 2
(REI = 24 hrs.) USE RESTRICTIO	red mites, Walnut aphids, Walnut Huskflies SPECIFIC USE DIRE combine Staley's Sauc tein hydrolysate bait) c	e Bait No. 2 or N or Nu-Lure at the lication rate is 2.	o. 7 (pro- rate of 2 5 pounds
(REI = 24 hrs.) USE RESTRICTIO a.i. (4 pints of this p	red mites, Walnut aphids, Walnut Huskflies SPECIFIC USE DIREC combine Staley's Sauc tein hydrolysate bait) o qts./A.	e Bait No. 2 or N or Nu-Lure at the lication rate is 2. ximum number o	o. 7 (pro- rate of 2 5 pounds of applica-
(REI = 24 hrs.) USE RESTRICTIO a.i. (4 pints of this p tions per year is 3; Watermelon	red mites, Walnut aphids, Walnut Huskflies SPECIFIC USE DIREC combine Staley's Sauc tein hydrolysate bait) o qts./A. DNS: The maximum app product) per acre; the ma	e Bait No. 2 or N or Nu-Lure at the lication rate is 2. ximum number o	o. 7 (pro- rate of 2 5 pounds of applica-
(REI = 24 hrs.) USE RESTRICTIO a.i. (4 pints of this p tions per year is 3; Watermelon (REI = 12 hrs.)	red mites, Walnut aphids, Walnut Huskflies SPECIFIC USE DIREC combine Staley's Sauc tein hydrolysate bait) of qts./A. DNS: The maximum app product) per acre; the ma and the minimum retreat Aphids	e Bait No. 2 or N or Nu-Lure at the lication rate is 2. ximum number of tment interval is 1.5 pts.	o. 7 (pro- rate of 2 5 pounds f applica- 7 days. 1
(REI = 24 hrs.) USE RESTRICTIO a.i. (4 pints of this p tions per year is 3; Watermelon (REI = 12 hrs.) USE RESTRICTIO	red mites, Walnut aphids, Walnut Huskflies SPECIFIC USE DIREC combine Staley's Sauc tein hydrolysate bait) of qts./A. DNS: The maximum app product) per acre; the ma and the minimum retrea Aphids	e Bait No. 2 or N or Nu-Lure at the lication rate is 2. ximum number of tment interval is 1.5 pts. lication rate is 1 p	o. 7 (pro- rate of 2 5 pounds of applica- 7 days. 1 000000 a.i.
(REI = 24 hrs.) USE RESTRICTIO a.i. (4 pints of this p tions per year is 3; Watermelon (REI = 12 hrs.) USE RESTRICTIO (1.6 pints of this pr	red mites, Walnut aphids, Walnut Huskflies SPECIFIC USE DIREC combine Staley's Sauc tein hydrolysate bait) of qts./A. DNS: The maximum app product) per acre; the ma and the minimum retreat Aphids	e Bait No. 2 or N or Nu-Lure at the lication rate is 2. ximum number of tment interval is 1.5 pts. lication rate is 1 p ximum number of	 b. 7 (pro- rate of 2 5 pounds f applica- 7 days. 1 bound a.i. f applica-

FIELD CROPS, PASTURE AND RANGELAND

Field Crops	Pest Controlled	Rate Per Acre	PHI (Days)
Alfalfa	Alfalfa weevil larvae*,	1.5 to	0
(REI = 12 hrs.)	Aphids, Grasshoppers,	2 pts.	
	Lygus bugs, Pea aphids,		
	Potato leafhoppers, Spider		
	mites, Spittlebugs,		
	Stinkbugs		
	Armyworms, Vetch buchid	2 pts.	
	Clover leaf weevils	1.5 pts.	
	SPECIFIC USE DIRECTIONS		Alfalfa ir
	bloom only in the evening or e		
	bees are not working in the field		
	on outside of hives. *Apply who	en day ten	nperature
	is expected to be above 65°F a	ind when 5	50 to 70%
	of the leaves show damage.		
	IONS: The maximum application		
	s product) per acre; the maximum		
ions is 2 per cut	ting; minimum retreatment interv	al is 14 da	ys.
Clovers	Alfalfa weevil larvae, Aphids,	1.5 to	0
(REI = 12 hrs.)	Grasshoppers, Lygus bugs,	2 pts.	
	Pea aphids, Potato		
	leafhoppers, Spider mites,		
	Spittlebugs, Stinkbugs		-
	Armyworms, Vetch buchid	2 pts.	-
	Clover leaf weevils	1.5 pts.	
	IONS: The maximum application		
	is product) per acre; the maximu		
	cutting; minimum retreatment	interval is	14 days
	clover in bloom.		
Corn (Field)	Aphids, Armyworms, Corn	1.5 pts.	7
(REI = 72 hrs.	earworms*, Corn rootworms		
for detassel-	(adults), Grasshoppers,		
ing; 12 hrs. for	Leafhoppers, Sap beetles*,		
all other activi-	Thrips	***	
ties)	SPECIFIC USE DIRECTIONS		
	when 10% of the ears show sil		
	in the whorl and silk stages with		
UCE DECEDICE	IUNS: The maximum application		
		numbere	
(1.6 pints of this	product) per acre; the maximum		
(1.6 pints of this tions per year is	product) per acre; the maximum 2; and the minimum retreatment	interval is	7 days.
(1.6 pints of this tions per year is Corn (Pop,	product) per acre; the maximum 2; and the minimum retreatment Aphids Armyworms, Corn		
(1.6 pints of this tions per year is Corn (Pop, Sweet)	product) per acre; the maximum 2; and the minimum retreatment Aphids Armyworms, Corn earworms*, Corn rootworms	interval is	7 days.
(1.6 pints of this tions per year is Corn (Pop, Sweet) (REI = 72 hrs.	product) per acre; the maximum 2; and the minimum retreatment Aphids Armyworms, Corn earworms*, Corn rootworms (adults), Grasshoppers,	interval is	7 days.
(1.6 pints of this tions per year is Corn (Pop, Sweet) (REI = 72 hrs. for detassel-	product) per acre; the maximum 2; and the minimum retreatment Aphids Armyworms, Corn earworms*, Corn rootworms (adults), Grasshoppers, Leafhoppers, Sap beetles*,	interval is	7 days.
(1.6 pints of this tions per year is Corn (Pop, Sweet) (REI = 72 hrs. for detassel- ing; 12 hrs. for	product) per acre; the maximum 2; and the minimum retreatment Aphids Armyworms, Corn earworms*, Corn rootworms (adults), Grasshoppers, Leafhoppers, Sap beetles*, Thrips	interval is 1.6 pts.	7 days. 5
(1.6 pints of this tions per year is Corn (Pop, Sweet) (REI = 72 hrs. for detassel- ing; 12 hrs. for all other activi-	product) per acre; the maximum 2; and the minimum retreatment Aphids Armyworms, Corn earworms*, Corn rootworms (adults), Grasshoppers, Leafhoppers, Sap beetles*, Thrips SPECIFIC USE DIRECTIONS	interval is 1.6 pts. : *Begin tr	7 days. 5 eatments
(1.6 pints of this tions per year is Corn (Pop, Sweet) (REI = 72 hrs. for detassel- ing; 12 hrs. for all other activi-	product) per acre; the maximum 2; and the minimum retreatment Aphids Armyworms, Corn earworms*, Corn rootworms (adults), Grasshoppers, Leafhoppers, Sap beetles*, Thrips SPECIFIC USE DIRECTIONS when 10% of the ears show si	interval is 1.6 pts. : *Begin tro k. Injury m	7 days. 5 eatments
(1.6 pints of this tions per year is Corn (Pop, Sweet) (REI = 72 hrs. for detassel- ing; 12 hrs. for all other activi- ties)	product) per acre; the maximum 2; and the minimum retreatment Aphids Armyworms, Corn earworms*, Corn rootworms (adults), Grasshoppers, Leafhoppers, Sap beetles*, Thrips SPECIFIC USE DIRECTIONS when 10% of the ears show si in the whorl and silk stages with	interval is 1.6 pts. : *Begin tra k. Injury m th this prod	7 days. 5 eatments nay occur duct.
(1.6 pints of this tions per year is Corn (Pop, Sweet) (REI = 72 hrs. for detassel- ing; 12 hrs. for all other activi- ties) USE RESTRICT	product) per acre; the maximum 2; and the minimum retreatment Aphids Armyworms, Corn earworms*, Corn rootworms (adults), Grasshoppers, Leafhoppers, Sap beetles*, Thrips SPECIFIC USE DIRECTIONS when 10% of the ears show sii in the whorl and silk stages wii IONS: The maximum application	interval is 1.6 pts. : *Begin tra- k. Injury m th this produced by the second seco	7 days. 5 eatments nay occur duct. pound a.i
(1.6 pints of this tions per year is Corn (Pop, Sweet) (REI = 72 hrs. for detassel- ing; 12 hrs. for all other activi- ties) USE RESTRICT (1.6 pints of this	product) per acre; the maximum 2; and the minimum retreatment Aphids Armyworms, Corn earworms*, Corn rootworms (adults), Grasshoppers, Leafhoppers, Sap beetles*, Thrips SPECIFIC USE DIRECTIONS when 10% of the ears show sii in the whorl and silk stages wii IONS: The maximum applicatior product) per acre; the maximum	interval is 1.6 pts. : *Begin tro k. Injury m th this prod n rate is 1 p n umber o	7 days. 5 eatments hay occur duct. bound a.i f applica
(1.6 pints of this tions per year is Corn (Pop, Sweet) (REI = 72 hrs. for detassel- ing; 12 hrs. for all other activi- ties) USE RESTRICT (1.6 pints of this tions per year is	product) per acre; the maximum 2; and the minimum retreatment Aphids Armyworms, Corn earworms*, Corn rootworms (adults), Grasshoppers, Leafhoppers, Sap beetles*, Thrips SPECIFIC USE DIRECTIONS when 10% of the ears show sii in the whorl and silk stages wit IONS: The maximum applicatior product) per acre; the maximum 2; and the minimum retreatment	interval is 1.6 pts. : *Begin training k. Injury m th this produced nate is 1 p number of interval is	7 days. 5 eatments hay occur duct. bound a.i f applica
(1.6 pints of this tions per year is Corn (Pop, Sweet) (REI = 72 hrs. for detassel- ing; 12 hrs. for all other activi- ties) USE RESTRICT (1.6 pints of this tions per year is Cotton	product) per acre; the maximum 2; and the minimum retreatment Aphids Armyworms, Corn earworms*, Corn rootworms (adults), Grasshoppers, Leafhoppers, Sap beetles*, Thrips SPECIFIC USE DIRECTIONS when 10% of the ears show sii in the whorl and silk stages wii IONS: The maximum applicatior product) per acre; the maximum	interval is 1.6 pts. : *Begin tru k. Injury m th this prod n rate is 1 p number o interval is 1.5 to	7 days. 5 eatments hay occur duct. bound a.i f applica
(1.6 pints of this tions per year is Corn (Pop, Sweet) (REI = 72 hrs. for detassel- ing; 12 hrs. for all other activi- ties) USE RESTRICT (1.6 pints of this tions per year is Cotton	product) per acre; the maximum 2; and the minimum retreatment Aphids Armyworms, Corn earworms*, Corn rootworms (adults), Grasshoppers, Leafhoppers, Sap beetles*, Thrips SPECIFIC USE DIRECTIONS when 10% of the ears show sii in the whorl and silk stages wii IONS: The maximum applicatior product) per acre; the maximum 2; and the minimum retreatment Brown cotton leafworms,	interval is 1.6 pts. : *Begin training k. Injury m th this produced nate is 1 p number of interval is	7 days. 5 eatments hay occur duct. bound a.i f applica
(1.6 pints of this tions per year is Corn (Pop, Sweet) (REI = 72 hrs. for detassel- ing; 12 hrs. for all other activi- ties) USE RESTRICT (1.6 pints of this tions per year is Cotton	product) per acre; the maximum 2; and the minimum retreatment Aphids Armyworms, Corn earworms*, Corn rootworms (adults), Grasshoppers, Leafhoppers, Sap beetles*, Thrips SPECIFIC USE DIRECTIONS when 10% of the ears show sii in the whorl and silk stages wii IONS: The maximum applicatior product) per acre; the maximum 2; and the minimum retreatment Brown cotton leafworms, Cotton aphids, Cotton	interval is 1.6 pts. : *Begin tru k. Injury m th this prod n rate is 1 p number o interval is 1.5 to	7 days. 5 eatments hay occur duct. bound a.i f applica
(1.6 pints of this tions per year is Corn (Pop, Sweet) (REI = 72 hrs. for detassel- ing; 12 hrs. for all other activi- ties) USE RESTRICT (1.6 pints of this tions per year is Cotton	product) per acre; the maximum 2; and the minimum retreatment Aphids Armyworms, Corn earworms*, Corn rootworms (adults), Grasshoppers, Leafhoppers, Sap beetles*, Thrips SPECIFIC USE DIRECTIONS when 10% of the ears show si in the whorl and silk stages wi IONS: The maximum application product) per acre; the maximum 2; and the minimum retreatment Brown cotton leafworms, Cotton aphids, Cotton leafworms, Cotton leaf	interval is 1.6 pts. : *Begin tru k. Injury m th this prod n rate is 1 p number o interval is 1.5 to	7 days. 5 eatments hay occur duct. bound a.i f applica
(1.6 pints of this tions per year is Corn (Pop, Sweet) (REI = 72 hrs. for detassel- ing; 12 hrs. for all other activi- ties) USE RESTRICT (1.6 pints of this tions per year is Cotton	product) per acre; the maximum 2; and the minimum retreatment Aphids Armyworms, Corn earworms*, Corn rootworms (adults), Grasshoppers, Leafhoppers, Sap beetles*, Thrips SPECIFIC USE DIRECTIONS when 10% of the ears show si in the whorl and silk stages wi IONS: The maximum application product) per acre; the maximum 2; and the minimum retreatment Brown cotton leafworms, Cotton aphids, Cotton leafworms, Cotton leaf perforators, Desert spider	interval is 1.6 pts. : *Begin tru k. Injury m th this prod n rate is 1 p number o interval is 1.5 to	7 days. 5 eatments hay occur duct. bound a.i f applica
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Field Crops	Pest Controlled	Rate Per Acre	PHI (Days)
Grasses, For-	Aphids, Armyworms, Cereal	2 pts.	0
age, Hay	leaf beetles, Grasshoppers,		
(Barnyard-	Leafhoppers		
grass, Canary- grass, Fescue			
or Orchard-			
grass, Redtop,			
Timothy, Yel-			
low foxtail) (REI = 12 hrs.)			
```	TIONS: The maximum applic	ation rate	is 1.25
pounds a.i. (2 pi	nts of this product) per acre; the		
of applications is		0 nto	0
Lespedeza (REI = 12 hrs.)	Alfalfa caterpillars*, Alfalfa weevils (larva)**, Aphids,	2 pts.	0
(I(EI 12110.))	Grasshoppers, Leafhoppers,		
	Lygus bugs		
	SPECIFIC USE DIRECTIONS		
	bloom only in the evening or e		
	bees are not working in the field on outside of hives. *Apply who		
	**Apply when day temperature	e is expec	ted to be
	above 65°F and when 50 to 7	0% of leav	ves show
	damage.	roto in 1 0	E nour de
	<b>IONS:</b> The maximum application s product) per acre; the maximum		
	ting; minimum retreatment interv		
Pasture and	Aphids, Armyworms,	1.4 pts.	0
Rangeland	Grasshoppers, Leafhoppers		
(REI = 12 hrs.)	IONS: The maximum applicatio	n roto io 0 l	22 nound
a.i. (1.4 pints of	this product) per acre; the maxin	mum numb	ber of ap-
	ear is 1 per cutting.		or or up
Rice, Wild rice	Rice leafminers*	2 pts.	7
(REI = 12 hrs.)	Rice stink bugs**	1 to	
		2 pts.	Guet e e e l'
	SPECIFIC USE DIRECTIONS: cation shortly after the first Rice to		
	surface of the water. ** Apply d		
	dough stages using a minimum		
	per acre by air. Do not apply pro		
	of malathion treatment. Broadca termittently flooded areas. App		·
	made around bodies of water w		
	are grown and/or harvested con	nmercially.	
	<b>IONS:</b> The maximum application		
	s product) per acre; the maximun 2; and the minimum retreatment		
Small Grains	Cereal leaf beetles, English	1 to	7
(Barley)	grain aphids, Grasshoppers,	2 pts.	
(REI = 12 hrs.)	Greenbugs, Winter grain		
	mites <b>IONS:</b> The maximum application	rato is 1.2	5 pounde
	s product) per acre; the maximum		
	2; and the minimum retreatment		
Small Grains	Cereal leaf beetles, English	1.5 pts.	7
(Oats) (REI = 12 hrs.)	grain aphids, Grasshoppers,		
(NEI - 12 1115.)	Greenbugs, Winter grain mites		
USE RESTRICT	<b>TONS:</b> The maximum application	n rate is 1 p	ound a.i.
(1.6 pints of this	product) per acre; the maximum	number o	f applica-
	2; and the minimum retreatment		/ days.
Small Grains (Rye)	Cereal leaf beetles	1 to 1.5 pts.	/
(REI = 12  hrs.)	English grain aphids,	1.5 pts.	
,	Grasshoppers, Greenbugs,	1.0 pts.	
	Winter grain mites		
	IONS: The maximum application		
	product) per acre; the maximum		
uons per year Is	3; and the minimum retreatment		r days. ntinued)
		100	

Field Crops	Pest Controlled	Rate Per Acre	PHI (Days)	
Sorghum (REI = 12 hrs.)	Greenbugs 1.5 pts.		7	
USE RESTRICT	FIONS: The maximum applicat	ion rate is	1 pound	
	this product) per acre; the maxi			
	ear is 2; minimum retreatment in		days.	
Trefoil	Alfalfa weevil larvae; Aphids,	1 to	0	
(Birdsfoot)	Grasshoppers, Lygus bugs,	2 pts.		
(REI = 12 hrs.)	Pea aphids, Potato leaf			
	hoppers, Spider mites,			
	Spittle bugs, Stink bugs			
	Armyworms, Vetch bruchid	2 pts.		
	Clover leaf weevils	1.5 pts.		
<b>USE RESTRICTIONS:</b> The maximum application rate is 1.25 pounds a.i. (2 pints of this product) per acre; the maximum number of applica- tions is 2 per cutting; minimum retreatment interval is 14 days.				
Vetch	Alfalfa weevil larvae; Aphids,	1 to	0	
(REI = 12 hrs.)	Armyworms, Clover leaf	2 pts.		
	weevils, Grasshoppers,			
	Lygus bugs, Omnivorous			
	leaftiers, Pea aphids, Potato			
	leaf hoppers, Spider mites,			
	Spittle bugs, Stink bugs, Vetch bruchid			
	<b>IONS:</b> The maximum application	rato is 1.0	5 poundo	
	s product) per acre; the maximun			
	ting; minimum retreatment interv			
Wheat (Spring	Cereal leaf beetles	1 to	y3. 7	
and Winter)		1.5 pts.	'	
(REI = 12 hrs.)	English grain aphids,	1.5 pts.		
( <b>)</b>	Grasshoppers, Greenbugs,			
	Winter grain mites			
USE RESTRICTIONS: The maximum application rate is 1 pound a.i.				
(1.6 pints of this product) per acre; the maximum number of applica-				
	2; and the minimum retreatment			

### HOPS

Сгор	Pest Controlled	Rate Per Acre	PHI (Days)
Hops	Aphids, Spider mites	1 pt.	10
(REI = 12 hrs.)			
USE RESTRICTI	ONS: The maximum application	n rate is 0.	63 pound
a.i. (1 pint of this product) per acre; the maximum number of appli-			

a.i. (1 pint of this product) per acre; the maximum number of applications per year is 3; 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.
	SPECIFIC USE DIRECTIONS: Mix lons of water and apply on 1,000 so fore applying the spray, clean thorou and burn all sweepings and debris. wall, floor and machinery spray in g and silos, make thorough applicatio ing the grain. In empty warehous oughly the interior including cracks places with sufficient pressure.	q. ft. area. Be- ughly. Remove For a residual grain elevators in before load- e, spray thor-
application rate i	<b>IONS:</b> Do not apply directly to grain. s 0.6 lb. a.i. (0.96 pt. of this product) nber of application is 1 per storage p	per 1,000 sq.

### **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./A	Maximum of 2 appli- cations per year.
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 gal.	Maximum of 2 appli- cations per year;10 day minimum re- treatment intervals
Ornamental herbaceous plants (REI = 12 hrs.)	64	2.5 lbs. a.i./100 gal.	—
Ornamental non-flowering plants	64	2.5 lbs. a.i./100 gal.	—
Ornamental woody shrubs and vines (REI = 12 hrs.)	64	2.5 lbs. a.i./100 gal.	Maximum of 2 applications per year/growing cycle;10 day minimum retreatment intervals
Pine seed orchard (REI = 12 hrs.)	82	3.2 lbs. a.i./A	Maximum of 2 applications per year/growing cycle;7 day minimum retreatment intervals

### FLY CONTROL

For use on the lower outside foundation of the home and fence/hedge rows.

Pest Controlled	Rate	SPECIFIC USE 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.	
Adult flies, Fly maggots	Bait Sprays: • 5 tbsp. + 7 tbsp. of sugar or molasses (unsulfurized) or corn syrup + 2.5 gals. of water or • 1 cup + 1 cup of sugar or molasses (unsulfurized) or corn syrup + 2.5 gals. of water or • 1 qt. + 2.5 lbs. of sugar or 1 qt. of molasses (unsulfu- rized) or 1 qt. of corn syrup + 12 gals. of water	Apply as bait spray. Do not apply to freshly whitewashed surfaces. Wait 14 days after whitewashing before apply- ing.	
Repeat applications as necessary. Avoid applying oil-based formu- lations to valuable ornamental plants as injury may occur.			

### 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 DISPOSAL:

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 (≥ 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.

### 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.

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





### **GROUP 1B INSECTICIDE**

Malathion 5EC

### 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.

# 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

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

Net Content: _

### IF IN EYES:

Hold eye open and rinse slowly and gently with water for 15 to 20 minutes.

**FIRST AID** 

- Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
- · Call a poison control center or doctor for treatment advice.

### IF SWALLOWED:

- 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.

### IF ON SKIN OR CLOTHING:

- 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.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For information on this pesticide product (including health concerns, medical emergencies or pesticide incidents), call the National Pesticide Information Center at 1-800-858-7378.

**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.

### 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)

Some materials that are chemical-resistant to this product are barrier laminate or viton. If you want more options, follow the instructions for category G on an EPA chemical-resistance category selection chart.

For All Formulations and Use Patterns – Mixers, loaders, applicators, flaggers and other handlers must wear: Long-sleeved shirt and long pants, chemical-resistant gloves (pilots must wear chemicalresistant 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:** Longsleeved shirt and long pants, shoes plus socks, chemical-resistant gloves (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 aquatic organisms, including fish and invertebrates. 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 visiting 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.

### RESISTANCE MANAGEMENT

MALATHION 5EC contains a Group 1B insecticide or acaricide. Insect/mite biotypes with acquired resistance to Group 1B may eventually dominate the insect/mite population if Group 1B insecticides or acaricides are used repeatedly in the same field or in successive years as the primary method of control for targeted species. This may result in partial or total loss of control of those species by this product or other Group 1B insecticides or acaricides.

To delay insecticide or acaricide resistance, consider:

- Avoiding the consecutive use of this product or other Group 1B insecticides/acaricides that have similar target site of action on the same insect/mite species.
- Using tank mixtures or premixes with insecticides/acaricides from a different target site action Group as long as the involved products are all registered for the same use and have different sites of action.
- · Basing insecticide/acaricide use on a comprehensive IPM program.
- Monitoring treated insect/mite populations for loss of field efficacy.
- Contacting your local extension specialist, certified crop advisors, and/or manufacturer for insecticide/acaricide resistance management and/or IPM recommendations for specific site and resistant pest problems.

#### 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, of 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.	Application Rates (fl. ozs.) per Minute at Vehicle Speeds			This Product	
per Acre	5 mph	10 mph	15 mph	20 mph	per Acre (fl. ozs.)
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 Diluti oil or water	•	•	product with	n 2 parts of	suitable fuel
Lbs. A.I.	Application Rates (fl. ozs.) per Minute at Vehicle Speeds			Finished Spray per	
per Acre	5 mph	10 mph	15 mph	20 mph	Acre (fl. ozs.)
0.03 to 0.06	9 to 18	18 to 36	27 to 54	36 to 72	3 to 6
1:4 Dilution oil or water	•	•	roduct with	4 parts of	suitable fuel
Lbs. A.I.			Finished Spray per		
per Acre	5 mph	10 mph	15 mph	20 mph	Acre (fl. ozs.)
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 AP-PLICATION*". 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 of 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 of 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.
- Do not allow runoff to enter sewer or contaminate water supplies.
   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 DISPOSAL:

**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 on to 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 (2 250 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.

### 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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## CONFIDENTIAL

### For use by Drexel Chemical Co. REGISTRATION Department ONLY

Product Name:
Product Number:
Product Colors:
EPA Reg. Number:
EPA Est. Number:

Malathion 5EC 217 PMS 464 Brown 19713-217 19713-

9-28-00 — Last EPA Accepted label (217SP-0198) with two corrections noted.

**11-28-00** — Added PENDING file revising FIRST AID per PR Notice 2000-3. Made minor formatting changes throughout text. Changed the print codes to **217SP-1100** and **217SP-1100-PENDING** to reflect changes made (was **217SP-0500**). (JLK)

**7-31-01** — 7/19/01 letter from EPA accepts PENDING label. Per Les' instructions, PENDING file made current, FIRST AID Table updated, Effluent Dischage statement added, and DOT info added to last page after warranty. Also, Luz made changes to Blueberries and Vetch rates. Print Codes updated to **217SP-0701++**. (HCR)

9-6-01 — Made minor editing changes. gb

**05-07-04** — Deleted out paragraph on page 1 that was to be added to end-use labels of quantities of 5 gals.or more. Changed printcode to **217SP-0504**.(FCL)

**08-31-04** — In the rate charts, the quantities in percentages were changed to decimals. Changed printcode to **217SP-0805**. (FCL)

**01/19/09** — Revised to delete "Lentils" under "Vegetable" uses. Revised "Storage and Disposal" per EPA's letter dd. 12/30/08. Assigned print code **217SP-0109* Pending**. (O.C.).

**07/21/09** — Revised per RED and EPA's email as marked. Changed print code to **217SP-0709*Pending(RED)**. (O.C.).

**09/14/09** — Added "Any ULV end use product formulated for use for aerial applications, other than those with directions for use in Wide Area Mosquito Adulticide applications, must be packaged in closed mixing and loading systems." under "Use Restrictions". Changed "Rates Per Acre" amounts as marked in "Vegetable Crops" table. Removed "Sweet Corn" section from "Vegetable Crops" table. Added "Bait (protein hydrolysate bait) or Nu-Lure" after Staley's Sauce Base No. 7 as marked throughout. Removed "Specific Directions" under "Citrus red mites, Thrips" from "Citrus. . . (CA Only) (REI = 12 hrs.)* (REI = 72 hrs.)*" section. Removed "Specific Directions" under "Citrus red mites, Thrips" from "Citrus. . . (All Other States; Except CA)(REI = 12 hrs.)* (REI = 72 hrs.)*" section." Removed "For Mealybugs - Apply in 50" from "Grapes" section of "Fruit and Nut Crops". Removed "Specific Directions" from "Kumquat" section of "Fruit and Nut Crops". Deleted "in 500 gals. of water per acre" from "Walnust" section of "Fruit and Nut Crops". Created another box for "Cotton" to separate the directions for use all the other pests from the "Boll Weevil" directions. Inserted "SPECIFIC DIRECTIONS FOR RESIDENTIAL SETTING:" with bullet points "Add appropriate amounts of water and . . . before reentering." Added "Do not contaminate . . . excess of 25°C (79°F)." to "Storage and Disposal". Changed print code to **217SP-0909*Pending(RED)**. (O.C.).

**09/24/09** — Made additional changes per Luz's email dd. Friday, September 18, 2009 9:16 AM requesting EPA's additional changes. The print code remains **217SP-0909*Pending(RED)**. (O.C.).

**11/09/2009** — From Luz (per EPA): Per EPA's e-mail dd 11/6/2009, revise as marked – 1) Air application use restrictions deleted from all crops, as well as from USE RESTRICTIONS general information before crop tables; 2) Boll weevil pest control information combined with all Cotton crops, and specific directions deleted (as a result of Cotton being combined into one application form, tables had to be updated to maintain correct flow). **Printcode changed to 217SP-1109* Pending (RED)**. (rsb)

**11-19-2009** — From Luz (per EPA): REI for Rice crops changed to 12 hours; Rice stink bugs added to application rates for Rice leafminers; Greenhouses deleted from Agricultural/Non-Agricultural Use Requirements; Specific Directions added to "Outdoor Ornamentals" section; Storage and Disposal Pesiticide Disposal verbiage changed. No change in printcode. (rsb)

**12-21-2009** — From Luz (per EPA): Per EPA SAL dd 11/23/2009, change printcode to 217SP-1209* – this is now the current label. Correct spatial distortions on pp. 3-10. Revise container labels to match. (rsb)

**10-21-2010** — From Luz (per EPA): Revise per EPA's memorandum dd 8-20-10, revise the First aid and Precautionary statements as marked. Change print code to **217SP-0910*Pending (RED).** (RSB)

**04-05-2011** — Per EPA email dd. 4/5/2011, revised as marked. Removed box rules from "Precautionary Statements", "User Safety Recommendations", and "Engineering Controls". Added "Physical Or Chemical Hazards Combustible:

Do not use or store near heat or open flame." Added "and protective eyewear such as goggles or faceshield." to "For all Dip Applications – Mixers, loaders, and applicators must wear: Long-sleeved shirt, long pants, shoes and socks, chemical resistant gloves, chemical resistant apron," under "Precautionary Statments". Added "The REI for each crop is listed in the directions for use associated with each crop." under "Agricultural Use Requirements". Added"Use higher rate when insect pressure is heavy." to "Vegetables", "Fruit And Nut Crop" and "Field Crops, Pasture and Range Grasses" verbiage. Removed " or, if allowed by State and local authorities, by burning. If burned, stay out of smoke." from "Nonrefillable Container" verbiage under "Storage And Disposal". **Changed printe code to 217SP-0411*Pending(RED).** (O.C.).

**04-08-2011**—From Luz (per EPA): WARNING statement for Precautionary Statements revised to read, *"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."* No change in printcode. (RSB)

05-22-2012—From Luz (per EPA !AR): Per e-mail dated 5/10/2012, EPA accepted label. New additions/deletions include Group 1B Insecticide product listing on master specimen; Resistance Management information for Group 1B Insecticide on both master and specimen; Separation into Sublabels A and B; Resistance Management instructions included, which reads "RESISTANCE MANAGEMENT GROUP 1B INSECTICIDE MALATHION 5EC contains a Group 1B insecticide or acaricide. Insect/mite biotypes with acquired resistance to Group 1B may eventually dominate the insect/mite population if Group 1B insecticides or acaricides are used repeatedly in the same field or in successive years as the primary method of control for targeted species. This may result in partial or total loss of control of those species by this product or other Group 1B insecticides or acaricides. To delay insecticide or acaricide resistance, consider: • Avoiding the consecutive use of this product or other Group 1B insecticides/acaricides that have similar target site of action on the same insect/mite species. • Using tank mixtures or premixes with insecticides/acaricides from a different target site action Group as long as the involved products are all registered for the same use and have different sites of action. • Basing insecticide/acaricide use on a comprehensive IPM program. • Monitoring treated insect/mite populations for loss of field efficacy. Contacting your local extension specialist, certified crop advisors, and/or manufacturer for insecticide/acaricide resistance management and/or IPM recommendations for specific site and resistant pest problems."; Info Above Ingredient Information on Sublabel B revised to read "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." Printcodes changed on master and specimen. New printcode assigned for Sublabel A (pp. 1-10) is 217MSP-0512*. New printcode assigned for Sublabel B (pp. 11-14) is 217SP-0412*P. (rsb)