

CORNBELT MALATHION 57

Emulsifiable Liquid Insecticide

Reg # 11773-6

PM-16

1720

ACTIVE INGREDIENT:

Malathion: O,O-dimethyl phosphorodithioate of diethyl mercaptosuccinate

57.0%

INERT INGREDIENTS

43.0%

TOTAL

100.0%

11/25/89

*O,O-dimethyl phosphorodithioate of diethyl mercaptosuccinate (contains 5 lb. Malathion per gallon)

**CAUTION: KEEP OUT OF REACH OF CHILDREN
SEE SIDE PANEL FOR ADDITIONAL CAUTIONS**

EPA Est. No. 11773-IA-1

AGRICULTURAL CHEMICAL

EPA Reg. No. 11773-6

Manufactured by: Van Diest Supply Co., Box 610, Webster City, IA 50695

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CORNBELT MALATHION 57

Emulsifiable Liquid Insecticide

PRECAUTIONARY STATEMENTS & HAZARDS TO HUMANS

CAUTION

Keep Out of Reach of Children. Harmful if swallowed, inhaled or absorbed through the skin. Avoid breathing spray mist. Causes eye irritation. Do not get in eyes, on skin or clothing. Wash skin thoroughly after handling. Remove and wash contaminated clothing before reuse. Do not store with food, feed, drugs or clothing.

STATEMENT OF PRACTICAL TREATMENT

If swallowed, do not induce vomiting. Get medical attention! In case of contact, immediately flush eyes and skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Call a physician. Wash clothing before reuse.

Note to Physician: This product may cause cholinesterase inhibition. Atropine is antidotal. 2-PAM may be effective as an adjunct to atropine.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. Use with care when applying in areas adjacent to any body of water. Keep out of lakes, streams and ponds. Do not apply when weather conditions favor drift from target area.

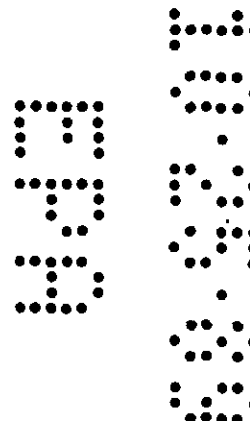
This pesticide is toxic to fish, aquatic invertebrates, and aquatic life stages of amphibians. Do not apply directly to water except as specified on this label. Do not contaminate water when disposing of equipment washwaters.

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

Use only with adequate ventilation. After using this product indoors, ventilate thoroughly before occupying enclosed spaces. Do not allow contact with treated surface until sprays have dried.

PHYSICAL OR CHEMICAL HAZARDS

Do not store near heat or open flame.



Not Reviewed. Registrant claims to be in accordance with Reregistration of Pesticide Product Guidance for Phase 2 Response, Page 2.12, Active to Inert Change in Status.

STORAGE AND DISPOSAL

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

STORAGE: Keep out of reach of children. Keep container closed.

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

CONTAINER DISPOSAL: METAL: Triple rinse (or equivalent). Then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill or by other approved state and local procedures. **PLASTIC:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Read all directions carefully before using.

Do not apply this product through any type of irrigation system.

REENTRY STATEMENT

Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons.

Do not enter treated areas without protective clothing until sprays have dried (or, if appropriate, dusts have settled).

Because certain states may require more restrictive reentry intervals for various crops treated with this product, consult your State Department of Agriculture for further information.

Written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product. (Indicate specific oral warnings which inform workers of areas of fields that may not be entered without specific protective clothing, period of time field must be vacated and appropriate actions to take in case of accidental exposure). When oral warnings are given, warnings shall be given in a language customarily understood by workers. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers. Written warnings must include the following information: "CAUTION Area treated with Corbekt Malathion 57 on (date of application). Do not enter without appropriate protective clothing until product has dried. In case of accidental exposure immediately flush eyes and skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Call a physician. Wash clothing before reuse."

Do not allow entry into treated areas until spray has settled, unless full protective clothing is worn. Applies to other applications to agricultural crops. Does not apply to use on livestock.

DISCLAIMER

Van Dierst Supply Company warrants only that the material contained herein conforms to the chemical description on the label and is reasonably fit for the use thereon described when used in accordance with the directions for use.

Any damages arising from a breach of this warranty shall be limited to direct damages, and shall not include consequential commercial damage such as loss of profits or values, etc.

Van Dierst Supply Company makes no other express or implied warranty, including any other express or implied warranty of FITNESS or of MERCHANTABILITY.

User assumes the risk of any use contrary to label instructions or under abnormal conditions, or under conditions not reasonably foreseeable by Van Dierst Supply Company.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

ENDANGERED SPECIES RESTRICTIONS

The following restrictions apply to use of this product after February 1, 1988.

Before using this pesticide on range and/or pastureland, corn, wheat, soybeans, sorghum, oats, barley, rye or cotton in the counties listed below, you must obtain the PESTICIDE USE BULLETIN FOR PROTECTION OF ENDANGERED SPECIES for the county in which the product is to be used. The bulletin is available from your County Extension Agent, State Fish and Game Office, or your pesticide dealer. Use of this product in a manner inconsistent with the PESTICIDE USE BULLETIN FOR PROTECTION OF ENDANGERED SPECIES is a violation of Federal laws.

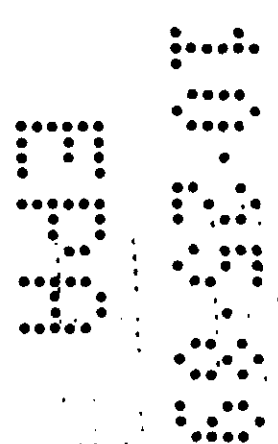
RANGE AND/OR PASTURELAND:

ALABAMA - Colbert, Greene, Jackson, Jefferson, Lamar, Lauderdale, Limestone, Madison, Marshall, Morgan, Pickens and Sumter. ARIZONA - Apache, Graham, Grant, Maricopa, Mohave, Pima, Pinal, Santa Cruz and Yavapai. ARKANSAS - Benton, Clark, Clay, Cross, Lawrence, Lee, Poinsett, Polk, Randolph, Sharp and St. Francis. CALIFORNIA - Alpine, Butte, Colusa, Glenn, Imperial, Inyo, Kern, Los

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Angeles, Madera, Merced, Modoc, Mono, Monterey, Riverside, San Bernardino, Santa Barbara, Santa Cruz, Solano, Sutter, Tehama, Tulare and Yuba. COLORADO - Boulder, Delta, Larimer, Mesa, Moffat, Park and Rio Blanco. FLORIDA - Okaloosa and Walton. GEORGIA - Catoosa, Cherokee, Murray and Whitfield. ILLINOIS - Gallatin, Henderson, Jo Daviess, Massac, Mercer, Pike, Pulaski, Rock Island and White. INDIANA - Adams and Posey. IOWA - Allamakee, Clayton, Clinton, Des Moines, Dubuque, Fayette, Jackson, Louisa, Muscatine and Scott. KENTUCKY - Ballard, Butler, Edmundson, Greene, Hart, Jackson, Laurel, Livingston, Marshall, McCracken, McCracken, Pulaski, Rockcastle, Taylor, Warren and Wayne. MARYLAND - Harford. MINNESOTA - Houston and Washington. MISSISSIPPI - Claiborne, Copiah, Hinds, Itawamba, Lowndes, Monroe and Neshoba. MISSOURI - Barry, Barton, Bollinger, Butler, Camden, Cedar, Christian, Cole, Dallas, Franklin, Gasconade, Greene, Hickory, Jasper, Jefferson, Lawrence, Massack, Miller, Newton, Osage, Polk, Ralls, Ripley, St. Clair, St. Louis, Stone, Wayne and Webster. NEVADA - Clark, Lincoln, Nye, Washoe and White Pine. NEW MEXICO - Catron, Chaves, DeBaca, Eddy, Grant and Socorro. NORTH CAROLINA - Edgecombe, Macon, Nash, Pitt and Swan. OHIO - Pickaway, Williams and Washington. OKLAHOMA - Delaware, McCurtain and Pushmataha. OREGON - Harney and Lake. TENNESSEE - Bedford, Blount, Bradley, Claiborne, Cumberland, Decatur, Franklin, Hamilton, Hancock, Harlan, Hawkins, Hickman, Knox, Lawrence, Lincoln, Loudon, Macon, Marshall, Maury, Meigs, Monroe, Morgan, Polk, Rhea, Roane, Scott, Sequatchie, Smith, Sullivan, Trousdale and Wayne. TEXAS - Bastrop, Burleson, Comal, Harris, Hays, Jeff Davis, Menard, Pecos and Reeves. UTAH - Carbon, Emery, Garfield, Grand, San Juan, Uintah, Utah, Washington and Wayne. VIRGINIA - Lee, Russell, Scott, Smyth, Tazewell, Washington and Wise. WISCONSIN - Crawford, Grant, Iowa, Pierce, Richland, Waubesa, Waushara and Wisconsin. WYOMING - Albany and Sublette.

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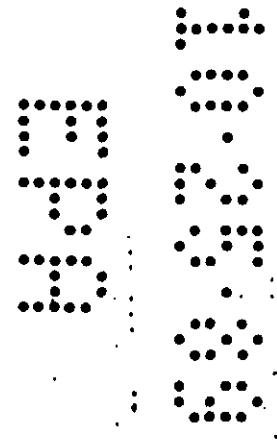
CROP	PESTS CONTROLLED	RATE*	INTERVAL (DAYS) BETWEEN LAST APPLICATION AND HARVEST
Celery, Anise	Aphids Spider mites	1 1/2 pts.	To be applied to fresh leaves and stalks only. Do not use on crops grown for seed and oil. Do not apply within 7 days of harvest.
Collards	Aphids Harlequin cabbage bug	1 1/2-2 pts. 1 pt.	Do not apply within 7 days of harvest. For control of caterpillars on summer and fall plantings in the South, begin when true leaves appear. On other plantings, and for control of other insects, begin when insects appear.
Cucumbers	Aphids Pickworms Spider mites Squash vine borer	1 1/2-2 pts. 3 pts.	Do not apply to cucumbers unless plants are dry. Do not apply within 1 day of harvest.

continued

CROP	PESTS CONTROLLED	RATE*	INTERVAL (DAYS) BETWEEN LAST APPLICATION AND HARVEST
Cucumbers continued	Cucumber beetle Leaf miner	2 pts.	
Dandelion, Parsley, Parsnip, Swiss chard, Watercress	Aphids	1 1/2-2 pts.	Do not apply within 21 days of harvesting parsley or within 7 days of harvesting dandelion, parsnip, Swiss chard or watercress.
Eggplant	Aphids Spider mites Lacebugs	1 pt. 3 pts.	Do not apply within 3 days of harvest.
Endive	Aphids Spider mites	1 1/2-2 pts.	Do not apply within 7 days of harvest.
Garlic, Shallots	Aphids Thrips	1 1/2-2 pts.	Do not apply within 3 days of harvest.

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CROP	PESTS CONTROLLED	RATE*	INTERVAL (DAYS) BETWEEN LAST APPLICATION AND HARVEST
Hops	Aphids Spider mites	1 pt.	Do not apply within 10 days of harvest.
Kale	Aphids Cabbage looper Imported cabbage-worm Webworm Diamondback moth	1-2 pts. 2 pts.	Do not apply within 7 days of harvest. For control of caterpillars on summer and fall plantings in the South, begin when true leaves appear. On other plantings, and for control of other insects, begin when insects appear.
Kohlrabi	Aphids Cabbage looper Diamondback moth Imported cabbage-worm Webworm	1-2 pts. 2 pts.	Do not apply within 7 days of harvest.



CROP	PESTS CONTROLLED	RATE*	INTERVAL (DAYS) BETWEEN LAST APPLICATION AND HARVEST
Leeks	Aphids Onion maggot flies Thrips	1 1/2-2 pts. 2 1/2 pts. 3 pts.	Do not apply within 3 days of harvest.
Lentils	Cowpea aphid Pea aphid	1 1/2 pts.	Do not apply within 3 days of harvest.
Lettuce	Aphids Leafhoppers Spider mites Cabbage looper	2 pts. 3 pts.	Do not apply within 7 days of harvesting head lettuce or within 14 days of harvesting leaf lettuce.

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CROP	PESTS CONTROLLED	RATE/A	INTERVAL (DAYS BETWEEN LAST APPLICATION AND HARVEST)
Melons (Cantaloupe, Casaba, Crenshaw, Honey-dew Melons, Honey-Balls, Muskmelons, Persian Melons & hybrids of these, Watermelons & their hybrids)	Aphids	1 1/2-2 pts.	Do not apply to melons unless plants are dry. Do not apply within 1 day of harvest.
	Spider mites		
	Cucumber beetles	2-3 pts.	
	Leaf miners	2 pts.	
	Leafhoppers	1 1/2-2 pts.	
	Pickleworms	2 pts.	
	Squash vine borer	3 pts.	
Mushrooms	Mites Phorid and Sciariid flies	2 1/2 pts. in 130 gallons of water; or 2 tablespoons in 3 gallons of water per 1000 sq. ft. of bed	Make thorough applications soon after picking as possible. Repeat applications as necessary, usually twice a week. Do not apply within 1 day of harvest.

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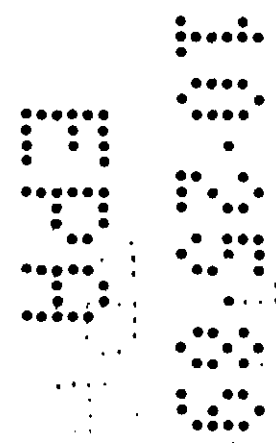
CROP	PESTS CONTROLLED	RATE/A	INTERVAL (DAYS BETWEEN LAST APPLICATION AND HARVEST)
Mustards	Aphids	2 pts.	For control of caterpillars on summer and fall plantings in the South, begin when true leaves appear. On other plantings, and for control of other insects, begin when insects appear. Do not apply within 7 days of harvest.
	Cabbage looper Imported Cabb-worm		
	Flie beetles	1 1/2-2 pts.	
Okra	Aphids	1 1/2 pts.	Do not apply within 1 day of harvest. Make no application after pods start to form.
	Japanese beetle	2 pts.	
Onions	Onion maggots	1 1/2-2 1/2 pts.	Do not apply within 3 days of harvest.
	Onion thrips	1 1/2-2 pts.	

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CROP	PESTS CONTROLLED	RATE/A	INTERVAL (DAYS BETWEEN LAST APPLICATION AND HARVEST)
Peas	Aphids	1 1/2-2 pts.	Do not apply within 7 days of harvest if vines are to be fed, or within 3 days of harvest if vines are not to be fed.
	Grasshoppers	2 pts.	
	Leafhoppers	1 1/2-4 pts.	
Peppermint, Spearmint	Aphids Flie beetles Leafhoppers Spider mites	1 1/2 pts.	Do not apply within 7 days of harvest.
Peppers	Aphids	1-2 1/2 pts.	Do not apply within 3 days of harvest.
	Pepper maggots	2 1/2 pts.	
Potatoes	Aphids Grasshoppers Leafhoppers	2 pts.	May be applied on the day of harvest.

continued



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CROP	PESTS CONTROLLED	RATE/A	INTERVAL (DAYS BETWEEN LAST APPLICATION AND HARVEST)
Potatoes continued	False chinch bugs	1 1/2 pts.	
	Mealybugs	2-2 1/2 pts.	
Pumpkins	Aphids Pickleworms Spider mites	2 pts.	Do not apply to pumpkins unless plants are dry. Do not apply within 3 days of harvest.
	Leafhoppers	1 1/2-2 pts.	
	Cucumber beetles Squash vine borer	3 pts.	
Radish, Horseradish	Aphids	1 1/2-2 pts.	Do not apply within 7 days of harvest.

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CROP	PESTS CONTROLLED	RATE	INTERNAL DAYS BETWEEN LAST APPLICATION AND HARVEST
Rice	Rice leaf miner	2 1/2 pts.	Make first application shortly after the first rice blades appear on the surface of the water and repeat if necessary. Do not apply within 7 days of harvest.
	Rice stink bugs	1-1 1/2 pts.	Apply by airplane in 2 gals. of water per acre during the early milk and dough stage of growing rice. Repeat applications as necessary. Do not apply within 7 days of harvest.
Rutabaga	Aphids	1 1/2 pts.	Do not apply within 3 days of harvest.
Spinach	Aphids	2 pts.	Do not apply within 7 days of harvest.

CROP	PESTS CONTROLLED	RATE	INTERNAL DAYS BETWEEN LAST APPLICATION AND HARVEST
Squash	Aphids Leaf miners Spider mites Pickworm	2 pts.	Do not apply to squash unless plants are dry. Do not apply within 1 day of harvest.
	Cucumber beetles Squash vine borer	3 pts.	
Strawberries	Aphids Spider mites	1 1/2 pts.	Do not apply within 3 days of harvest.
	Field crickets Lygus bugs Spittlebugs Thrips	1 1/2-3 pts.	

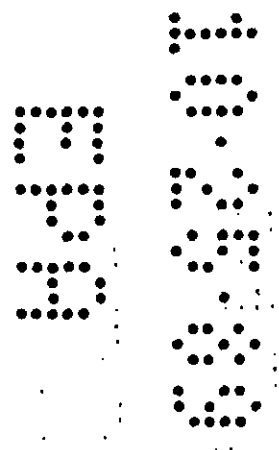
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CROP	PESTS CONTROLLED	RATE	INTERNAL DAYS BETWEEN LAST APPLICATION AND HARVEST
Strawberries continued	Potato leathopper Strawberry leafroller Strawberry root weevil Whitefly	1 1/2-2 1/2 pts.	
Sweet Corn	Japanese beetle	2 pts.	Do not apply within 6 days of harvest. Injury may occur in the whorl or to the silks.
Sweet Potatoes	Leafhoppers	1 1/2-2 pts.	Do not apply within 3 days of harvest.
	Morning glory leaf miner	2 1/2-3 pts.	
Tomatoes	Aphids	1 1/2 pts.	Do not apply within 1 day of harvest.
	Drosophila	2 1/2 pts.	

continued

CROP	PESTS CONTROLLED	RATE	INTERNAL DAYS BETWEEN LAST APPLICATION AND HARVEST
Tomatoes continued	Spider mites	1 1/2 pts.	
	Armyworms Fruitworms (California only)	2 1/2 qts.	Do not apply within 3 days of harvest.
Turnip	Aphids Cabbage looper Imported cabbageworm	1-2 pts.	For control of caterpillars on summer and fall plantings in the South, begin when true leaves appear. On other plantings, and for control of other insects, begin when insects appear. Do not apply within 7 days of harvest if tops are to be used for food or feed.



VEGETABLES GROWN IN COMMERCIAL GREENHOUSES: Apply to give complete coverage.

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CROP	PESTS CONTROLLED	RATE/100 GAL	INTERVAL (DAYS) BETWEEN LAST APPLICATION AND HARVEST
Cucumbers	Aphids Armyworms Cabbage loopers Earwigs Garden fleahoppers Mealybugs Spider mites Thrips Whiteflies	1 1/2-2 pts.	Spray plants thoroughly. Do not apply to cucumber unless plants are dry. Do not apply within 1 day of harvest.
Endive	Aphids Armyworms Cabbage loopers Serpentine leaf miners Thrips Whiteflies	1 1/2-2 pts.	Spray plants thoroughly. Do not apply within 7 days of harvest.

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CROP	PESTS CONTROLLED	RATE/100 GAL	INTERVAL (DAYS) BETWEEN LAST APPLICATION AND HARVEST
Lettuce	Aphids Armyworms Cabbage loopers Serpentine leaf miners Thrips Whiteflies	1 1/2-2 pts.	Spray plants thoroughly. Do not apply within 14 days of harvesting leaf lettuce or within 7 days of harvesting head lettuce.
Radish	Aphids Flea beetles	1 1/2-2 pts.	Spray plants thoroughly. Do not apply within 7 days of harvest.
Tomato	Aphids Armyworms Cabbage loopers Cutworms Drosophila Garden fleahoppers Mealybugs	1 1/2-2 pts.	Spray plants thoroughly. Do not apply within 1 day of harvest.

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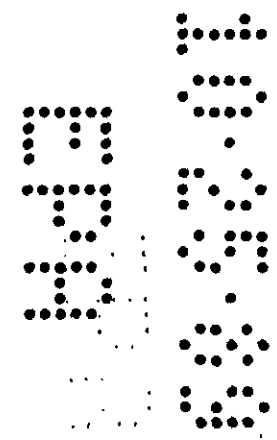
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CROP	PESTS CONTROLLED	RATE/100 GAL	INTERVAL (DAYS) BETWEEN LAST APPLICATION AND HARVEST
Tomatoes continued	Serpentine leaf miners Spider mites Thrips Tomato russet mite Whiteflies		
Watercress	Aphids Serpentine leaf miners Thrips	1 1/2-2 pts.	Spray plants thoroughly. Do not apply within 7 days of harvest.

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FRUIT AND NUT:

CROP	PESTS CONTROLLED	RATE/100 GAL	RATE/1	INTERVAL (DAYS) BETWEEN LAST APPLICATION AND HARVEST
Almonds	Aphids Spider mites	1-2 pts.	2-4 pts.	May be applied on the day of harvest.
	Peach twig borer	1-1 1/2 pts.	2-3 pts.	Apply during the petal fall period or during the period appropriate for spraying larvae of the May brood. May be applied on the day of harvest.
The rates for use on almonds are based on a standard of 200 gallons per acre dilute spray for mature trees. Do not apply more than 8 lbs. actual CORN-BELT [®] MALATHION 57 per acre to almond trees.				
Apples	Budmoth Forbes scale Woolly apple aphid	1 pt.	4 pts.	Do not apply within 3 days of harvest.

continued



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CROP	PESTS CONTROLLED	RATE 100 GAL	RATE/A	INTERVAL DAYS BETWEEN LAST APPLICATION AND HARVEST
Apples continued	Eastern tent caterpillar	1-1 1/2 pts.	4	
	Green apple aphid Roxy apple aphid	1 1/2 pts.	6 pts.	
	Codling moth Plum curculio Red-banded leafroller	2 pts.	8 pts.	
	Mealybug Mites, such as Clover mite, European red mite, Twospotted spider mite, Willamette mite	1-2 pts.	4-8 pts.	

continued

CROP	PESTS CONTROLLED	RATE 100 GAL	RATE/A	INTERVAL DAYS BETWEEN LAST APPLICATION AND HARVEST
Apples continued	The rates for use on apples are based on a standard of 400 gallons per acre dilute spray for mature trees pruned 20 to 22 feet high in rows 40 feet apart.			
	CORNBELT [®] MALATHION 67 Emulsifiable Concentrate may cause fruit injury to McIntosh and Cortland varieties if spray is applied within 4 weeks of harvest.			
Dormant or Delayed Dormant Sprays	Aphids Mites Red-banded leafrollers	1 pt. + 1 gal. superior oil	—	Make full coverage dormant or delayed dormant applications only.
Apricots	Aphid Codling moth European fruit lecanium Orange tortrix Soft brown scale Tetrapi scale	1 1/2-2 pts.	4 1/2-6 pts.	Do not apply within 7 days of harvest.

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CROP	PESTS CONTROLLED	RATE 100 GAL	RATE/A	INTERVAL DAYS BETWEEN LAST APPLICATION AND HARVEST
Apricots continued	The rate for use on apricots is based on a standard of 300 gallons per acre dilute spray for mature trees.			
Avocado	Greenhouse thrips Latenia scale Omnivorous looper Orange tortrix Soft brown scale	1 1/2 pts.	7 1/2 pts.	Do not apply within 7 days of harvest.
	The rate for use on avocado is based on a standard of 500 gallons per acre dilute spray for mature trees.			
Blackberry Boysenberry Dewberry Loganberry Raspberry	Aphids Rose scale chafers Japanese beetle Leafhoppers Mites Thrips	1 1/2 pts.	3 pts.	Do not apply within 1 day of harvest.

continued

CROP	PESTS CONTROLLED	RATE 100 GAL	RATE/A	INTERVAL DAYS BETWEEN LAST APPLICATION AND HARVEST
Blackberries, etc. continued	The rates for use on brambles are based on a standard of 200 gallons per acre dilute spray.			
Blueberries	Blueberry maggots	1 pt. + 1 1/2 qts. Staley's Seuce Base No. 7	—	For use in the Northeast only. Apply in 100 gallons of water per acre. Do not apply within 8 hours of harvest.
	Cherry fruitworm	1 pt.	2 pts.	Do not apply within 1 day of harvest.
	Cranberry fruitworm	1 pt.	2 pts.	Make first application at egg hatch and repeat applications every 4 or 5 days until a total of four applications has been made. Do not apply within 1 day of harvest.

continued

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CROP	PESTS CONTROLLED	RATE 100 GAL	RATE/A	INTERVAL DAYS BETWEEN LAST APPLICATION AND HARVEST
Blueberries continued	Japanese beetle	1/2 pt.	1/2 pt.	Make application when first berries turn blue and at 10 day intervals as long as infestation persists. Do not apply within 1 day of harvest.
The rates for use on blueberries are based on a standard of 200 gallons per acre dilute spray.				
Cherry	Black cherry aphid Fruit-tree leafroller	1 1/2 pts.	6 pts.	Do not apply within 3 days of harvest.
	Cherry fruit fly Japanese beetle	1 pt.	4 pts.	
The rates for use on cherries are based on a standard of 400 gallons per acre dilute spray for mature trees. Do not apply more than 8 lbs. of actual CORN-BELT® MALATHION 57 per acre to cherry trees.				

continued

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CROP	PESTS CONTROLLED	RATE 100 GAL	RATE/A	INTERVAL DAYS BETWEEN LAST APPLICATION AND HARVEST
Cherry continued	Injury may occur on certain varieties of sweet cherries, particularly in the Northwest.			
Citrus Grapefruit Kumquat Lemon Lime Orange Tangerine Tangelo	Black scale (single and off-brooded) California red scale Citricola scale Purple scale Soft brown scale Yellow scale	1-1 1/2 pts.	-	Do not apply when trees are in bloom. Do not apply within 7 days of harvest.
	Florida purple scale Florida red scale	2 pts.	-	

continued

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CROP	PESTS CONTROLLED	RATE 100 GAL	RATE/A	INTERVAL DAYS BETWEEN LAST APPLICATION AND HARVEST
Citrus continued	Citrus red mites Thrips	-	2 1/2 pts.	Apply in 200 gallons of water per acre. Do not apply when trees are in bloom. Do not apply within 7 days of harvest.
The rate for use on citrus is based on a standard of 500 gallons per acre dilute spray for mature trees.				
Currants Gooseberries	Japanese beetles Rose chafers Mites	1 1/2 pts. 1 pt.	3 pts. 2 pts.	Do not apply within 3 days of harvest.
The rates for use on currants and gooseberries are based on a standard of 200 gallons per acre dilute spray.				

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CROP	PESTS CONTROLLED	RATE 100 GAL	RATE/A	INTERVAL DAYS BETWEEN LAST APPLICATION AND HARVEST
Figs	Dried fruit beetles Vinegar flies	-	2 qts. + 1-2 gals. unsulfured molasses	Do not apply within 3 days of harvest.
Fibers	Apple mealybug Eye-spotted bud moth Fibbert aphids Tingids	1 pt.	4 pts.	Do not apply within 3 days of harvest.
	Scales (crawler stages)	1 pt.	-	
The rates for use on fibers are based on a standard of 400 gallons per acre dilute spray for mature trees. Do not apply more than 3 lbs. of actual CORN-BELT® MALATHION 57 per acre to fiber trees.				

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CROP	PESTS CONTROLLED	RATE/100 GAL	RATE/A	INTERVAL (DAYS) BETWEEN LAST APPLICATION AND HARVEST
Grapes	Leafhoppers Spider mites	1 1/2 pts.	1/2 a.	Do not apply within 3 days of harvest.
	European fruit lecanium	1 1/2 pts.	—	Make full coverage applications when newly hatched nymphs are migrating over vines, usually shortly after bloom. Do not apply within 3 days of harvest.
	Mealybugs	—	1 1/2 pts.	Apply in 50-100 gallons of water per acre. Do not apply within 3 days of harvest.
The rates for use on grapes are based on a standard of 200 gallons per acre dilute spray.				
Injury may occur on grapes of Almeria, Cardinal, Italia and Ribier varieties when sprays containing CORNBELT® MALATHION 57 are applied after clusters appear.				

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CROP	PESTS CONTROLLED	RATE/100 GAL	RATE/A	INTERVAL (DAYS) BETWEEN LAST APPLICATION AND HARVEST
Grape Vines (Overwintering on nursery stock only)	Grape phylloxera	3 pts.	—	Remove excess soil from the roots and dip in the CORNBELT® MALATHION 57 solution. Submerge the entire root system for 5 minutes. Keep the solution agitated at all times.
Macadamia Nuts	Green stink bugs	1 1/2 pts.	—	Apply when insects start to feed on the nuts and repeat as necessary. May be applied during harvest.
No more than 15 lbs. of actual CORNBELT® MALATHION 57 per acre should be applied to macadamia nut trees.				
Nectarines	Spider mites	1-2 pts.	3-6 pts. a	Do not apply within 7 days of harvest.
	Plum curculio	2 pts.	6 pts.	
continued				

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CROP	PESTS CONTROLLED	RATE/100 GAL	RATE/A	INTERVAL (DAYS) BETWEEN LAST APPLICATION AND HARVEST
Nectarines continued	The rates for use on nectarines are based on a standard of 300 gallons per acre dilute spray for mature trees.			
CORNBELT® MALATHION 57 may cause fruit spotting on nectarines.				
Papaya	Aphids Mealybugs	1 1/2-2 pts.	—	May be applied on the day of harvest.
Peaches	Black cherry aphid Black peach aphid European red mite Green peach aphid Rusty plum aphid Japanese beetle Spider mites	1 pt.	3 pts.	Do not apply within 7 days of harvest.
	Oriental fruit moth Plum curculio	2 pts.	3 qts.	
continued				

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CROP	PESTS CONTROLLED	RATE/100 GAL	RATE/A	INTERVAL (DAYS) BETWEEN LAST APPLICATION AND HARVEST
Peaches continued	Coniary peach scale European fruit lecanium Terrapin scale	2 pts.	—	Make full coverage applications at completion of hatching, about the last of June. Do not apply within 7 days of harvest.
The rates for use on peaches are based on a standard of 300 gallons per acre dilute spray for mature trees. Do not apply more than 9 pounds of actual CORNBELT® MALATHION 57 per acre to peach trees.				
Pears	Aphids	1 pt.	3 pts.	Do not apply within 1 day of harvest.
	Mealybug Mite Pear psylla	1-2 pts.	3-6 pts.	
continued				

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CROP	PESTS CONTROLLED	RATE 100 GAL	RATE/A	INTERVAL (DAYS) BETWEEN LAST APPLICATION AND HARVEST
Pears continued	Codling moth Fruit-tree leafroller Plum curculio Red banded leaf-roller	2 pts.	5 pts.	
The rates for use on pears are based on a standard of 300 gallons per acre dilute spray for mature trees.				
Injury may occur under certain conditions in the Northeast on Booc pears.				
Pecans	Aphids Spider mites Walnut aphid	1 1/2 pts.	7 1/2-10 pts.	May be applied on the day of harvest.
	European red mite	1 1/2 pts.	6 1/2 pts.	May be applied on the day of harvest.

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CROP	PESTS CONTROLLED	RATE 100 GAL	RATE/A	INTERVAL (DAYS) BETWEEN LAST APPLICATION AND HARVEST
Pecans continued	Pecan phyloxera	1 1/2 pts.	6 1/2 pts.	Apply when buds begin to develop and repeat as necessary. May be applied on the day of harvest.
	Pecan nut case-bearer Walnut husk fly	1 1/2 pts.	6 1/2 pts.	Apply after first generation eggs begin to hatch. May be applied on the day of harvest.
The rates for use on pecans are based on a standard of 500 gallons per acre dilute spray for mature trees 25-35 feet high.				
Pineapple	Mealybug	1 pt.	8 pts.	Do not apply within 7 days of harvest.

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CROP	PESTS CONTROLLED	RATE 100 GAL	RATE/A	INTERVAL (DAYS) BETWEEN LAST APPLICATION AND HARVEST
Plums and Prunes	Mealy plum aphid Plum curculio	1-1 1/2 pts.	3 pts.	Do not apply within 3 days of harvest. Make full coverage applications to trunks and scaffold limbs 4 times at 21 day intervals beginning with emergence in June. In Georgia two applications each 4 weeks apart for first (April and May) and second (August and September) broods. Do not apply within 3 days of harvest.
The rates for use on plums and prunes are based on a standard of 300 gallons per acre dilute spray for mature trees.				

CROP	PESTS CONTROLLED	RATE 100 GAL	RATE/A	INTERVAL (DAYS) BETWEEN LAST APPLICATION AND HARVEST
Quince	Codling moth Oriental fruit moth Plum curculio	2 pts.	6 pts.	Do not apply within 3 days of harvest.
	Spider mites	1-2 pts.	3-6 pts.	
	Forbes scale	1 pt.	-	Make full coverage application when crawlers are present, about first or second cover and last half of July. Do not apply within 3 days of harvest.
The rates for use on quince are based on a standard of 300 gallons per acre dilute spray for mature trees.				

CROP	PESTS CONTROLLED	RATE PER GAL.	%	INTERVAL (DAYS BETWEEN LAST APPLICATION AND HARVEST)
Walnuts	Aphids European red mite Walnut aphid	1/2 pt.	1-3 pts.	May be applied on the day of harvest.
	Walnut huck fly	1/2 pt.	1 1/2-3 pts.	Apply with conventional sprayer. For bait sprays, combine Staley's Sauce Base No. 2 or No. 7 at the rate of 2 qts. per acre with CORNBELT® MALATHION 57. May be applied on the day of harvest.
			3-4 pts.	Apply in 600 gallons of water per acre with air-carrier type sprayer. For bait sprays, combine Staley's Sauce Base No. 2 or No. 7 at the rate of 2 qts. per acre with CORNBELT® MALATHION 57. May be applied on the day of harvest.

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FIELD CROPS AND PASTURE AND RANGE GRASSES:

CROP	PESTS CONTROLLED	RATE/A	INTERVAL (DAYS BETWEEN LAST APPLICATION AND HARVEST)
Alfalfa	Alfalfa weevil larvae Aphids Grasshoppers Lygus bugs Potato leafhoppers Spider mites Spittlebugs Stink bugs	1 1/2-2 pts.	Apply to alfalfa in bloom only in the evening or early morning when bees are not working in the field or are not hanging on outside of hives. May be applied on the day of harvest.
	Armyworms	2 pts.	
	Clover leaf weevil	1 1/2 pts.	
	Vetch bruchid	2-2 1/2 pts.	

CROP	PESTS CONTROLLED	RATE/A	INTERVAL (DAYS BETWEEN LAST APPLICATION AND HARVEST)
Clover	Alfalfa weevil larvae Aphids Grasshoppers Lygus bugs Potato leafhoppers Spider mites Spittlebugs	1 1/2-2 pts.	Do not apply to clover in bloom. May be applied on the day of harvest.
	Armyworms	2 pts.	
	Clover leaf weevil	1 1/2 pts.	
Corn (Grain or Forage)	Aphids Corn earworm Corn rootworm adults Grasshoppers Sap beetle Thrips	1 1/2 pts.	For control of corn earworm and sap beetles, begin treatments when 10% of the ears show silk. Repeat applications at 3-5 day intervals until 4-5 applications have been made. Do not apply within 5 days of harvest or forage use. continued

CROP	PESTS CONTROLLED	RATE/A	INTERVAL (DAYS BETWEEN LAST APPLICATION AND HARVEST)
Corn continued	A. worms	1 1/2-2 pts.	Injury may occur in the whorl and silk stages with CORNBELT® MALATHION 57.
Cotton	Brown cotton leafworm Cotton aphid Cotton leafworm Cotton leafperforator Desert spider mite Leafhoppers Lygus bugs Thrips Whiteflies	1/2-2 pts.	May be applied on the day of harvest. Consult local agricultural authorities for exact time of application.
	Boll weevil	2-4 pts.	

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CROP	PESTS CONTROLLED	RATE	INTERVAL (DAYS) BETWEEN LAST APPLICATION AND HARVEST
Cotton continued	Cotton fleahoppers	1-1½ pts.	May be applied on the day of harvest.
	Fall armyworms Garden webworms Grasshoppers	1½-3 pts.	
	Lygus bugs Thrips	1-4 pts.	
Grasses (Barnyardgrass, Canarygrass, Fescue, Orchardgrass, Red top, Timothy, Yellow foxtail)	Cereal leaf beetle	1-1½ pts.	May be applied on the day of harvest or grazing.
Pasture and Range Grass, Grass & Grass Hay	Aphids Grasshoppers Leafhoppers	1½-2 pts. OR 1½ pts. in 1 gal. of diesel fuel oil per acre	May be applied on the day of harvest or grazing.

continued

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CROP	PESTS CONTROLLED	RATE	INTERVAL (DAYS) BETWEEN LAST APPLICATION AND HARVEST
Pasture grass, etc. continued	Armyworms	2 pts. OR 1½ pts. in 1 gal. of diesel oil per acre	
Peanuts	Poddies Thrips	1½ pts.	May be harvested or grazed on the day of application.
Safflower	Aphids Grasshoppers Lygus bugs	1½-2 pts.	Do not apply within 3 days of harvesting seeds.
Small Grains (Barley, Oats, Rye, Wheat)	Cereal leaf beetle	1-1½ pts.	Do not apply within 7 days of harvest or forage use.
	English grain aphids Grasshoppers Greenbugs	1½ pts.	
	Winter grain mite	2 pts.	

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CROP	PESTS CONTROLLED	RATE	INTERVAL (DAYS) BETWEEN LAST APPLICATION AND HARVEST
Sorghum	Greenbugs	1½ pts.	Do not apply within 7 days of harvest or forage use.
Soybeans	Green cloverworms Mexican bean beetle	3 pts.	May be applied on the day of harvest or forage use.
Sugar Beets	Aphids Spider mites	1½-2 pts.	Do not apply within 7 days of harvest if tops are to be used as feed or forage.
	Grasshoppers	3 pts.	
Tobacco	Aphids	1½-2½ pts.	May be applied on the day of harvest. Use maximum dosage in plant beds.

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CROP	PESTS CONTROLLED	RATE	INTERVAL (DAYS) BETWEEN LAST APPLICATION AND HARVEST
Vetch	Omnivorous leaf tie Pea aphid Vetch bruchid	1½-2 pts.	May be applied on the day of harvest or grazing.

STORED PRODUCTS:

SITE	PESTS CONTROLLED	RATE	DIRECTIONS FOR USE
Stored in-shell Almonds	Indian meal moth Merchant grain beetle	4 fl. oz. in sufficient water to treat 10,000 lbs. of Almonds	Use a suitable mechanical spray applicator that regulates the rate application to the flow of the almonds. Avoid spraying with a fine mist that drifts away. Shield the nozzle against wind and air currents.

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SITE	PESTS CONTROLLED	RATE	DIRECTIONS FOR USE
Stored Peanuts	Confused flour beetle Flat grain beetle Granary weevil Indian meal moth Lesser grain borer Red flour beetle Rice weevil Rusty grain beetle Saw-toothed grain beetle	1 pt. in 2½ gal. of water OR 8 pts. in 19 gal. of water	Residual Warehouse Spray — Before Storing Peanuts: Apply as a coarse spray at the rate of 2 gal. per 1,000 sq. ft. of surface or to run-off. Clean warehouse thoroughly of trash and remains of old peanuts 1-2 weeks before new peanut crop is stored. Then, thoroughly spray the interior of the empty warehouse, especially cracks and protected places. Treat outside walls to a height of 6 to 8 feet and the ground to a distance of 6 feet from the warehouse.

continued

SITE	PESTS CONTROLLED	RATE	DIRECTIONS FOR USE
Stored Peanuts continued		2½ pts. in 5 gal. of water for each 15 tons of farmers stock peanuts.	Bulk Spray Treatment — Peanuts Going Into Storage: Use good spray equipment. Apply coarse spray uniformly. Preferably, use a suitable mechanical spray applicator that regulates the rate of application to the flow of peanuts. Adjust the operating pressure of spray pump and size of nozzle opening to complete the amount of spray delivery with the rate of flow of peanuts being treated. Avoid spraying with a fine mist that drifts away, by using low nozzle pressure. Shield the nozzle against wind and air currents.

SITE	PESTS CONTROLLED	RATE	DIRECTIONS FOR USE
Nonmedicated cattle feed concentrate blocks	Cigarette beetles	8 pts. in 25 gal. water	Before storing feed blocks thoroughly clean storage areas and remove and burn all debris and sweepings. Apply as a thorough application for a residual spray.
		4 fl. oz. in 1 qt. water	Treat paper on the sides of the feed concentrate at a rate of 100 mg/sq. ft., or 1 qt. of diluted CORNBELT™ MALATHION 57 per 710 sq. ft.

SITE	PESTS CONTROLLED	RATE	DIRECTIONS FOR USE
Bagged citrus pulp Residual warehouse spray	Almond moth Angoumois grain beetle Cigarette beetle Confused flour beetle Flat grain beetle Indian meal moth Mediterranean flour moth Red flour beetle Saw-toothed grain beetle	1 pt. in sufficient water to make 2½ gals. of spray OR 8 pts. per 19 gal. of water	Apply spray at the rate of 2 gallons per 1,000 sq. ft. of surface or to run-off. Before bagged citrus pulp is stored, thoroughly clean warehouses by removing and burning all debris and sweepings. Thoroughly spray with sufficient pressure, interior of empty warehouse (including cracks and protected places), outside walls to a height of 6 to 8 feet and ground to a distance of about 6 ft. from warehouse.

Do not use treated burlap bags other than for dried citrus pulp.

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SITE	PESTS CONTROLLED	RATE	DIRECTIONS FOR USE
Stored grains (Barley, corn, grain sorghum, oat, rice, rye, wheat) and field or garden seeds	Cereal leaf beetle Confused flour beetle Flat grain beetle Granary weevil Indian meal moth Lesser grain borer Meigs weevil Red flour beetle Rice weevil Rusty grain beetle Saw-toothed grain beetle	8 pps. per 2Z of water	Residual Spray Before Storing Grains: Before applying spray, clean elevators, box cars, etc. thoroughly. Remove and burn all sweepings and debris. For a residual wall, floor and machinery spray in grain elevators in treating truck beds, box cars and ships' holds, before loading grain make a thorough application.
		1 pt. in 2 to 5 gal. of water per 1,000 bushels	Grains Going Into Storage: Apply as the grain is being loaded or turned into final storage.

continued

SITE	PESTS CONTROLLED	RATE	DIRECTIONS FOR USE
Stored grains continued		½ pt. in 1 to 2 gal. of water per 1,000 sq. ft. of grain sur- face area.	As a Surface Treatment After Grains are Stored: Apply the spray evenly over the surface of the grain. Apply immediately after grain is loaded into storage and repeat if necessary.
Warehouse	Khapre beetle		Malathion may be used under the requirements of the Khapre beetle quarantine, where water or diesel oil emulsions are indicated, as prescribed by quarantine instruc- tions.

FOOD HANDLING ESTABLISHMENTS: Places other than private residences in which exposed food is held, processed, prepared or served.

FOOD AREAS — APPLICATION LIMITED TO CRACK AND CREVICE TREATMENT ONLY. Includes areas for receiving, storage, packing, (canning, bottling, wrapping, boxing) preparing edible waste storage and enclosed processing systems (mills, dairies, edible oils, syrups). Serving areas (when food is exposed and facility is in operation also would be considered a food area).

PEST	RATE	DIRECTIONS FOR USE
Ants Carpet beetles Cigarette beetles Clover mites Confused flour beetles Crickets Drug store beetles Flat grain beetles Granary weevils Indian meal moths Red flour beetles Rice weevils Roaches	1 pt./2½ gal. OR 1 part in 19 parts mixture of 4 parts kerosene-type sol- vent and 1 part aromatic hydrocarbon-type solvent	Apply in small amounts directly into cracks and crevices using equipment capable of delivering a pinstream of insecticide into points such as expansion joints between different elements of construction, between equipment and floors, openings leading to voids and hollow spaces in walls, equipment legs and bases where named insects hide. Pesticide mixture made with oil base solvent may be used in conduits, motor housings, junction or switch boxes. Prior to application, de-energize electrical equipment. After applica- tion allow time for oil to evaporate before start-

continued

PEST	RATE	DIRECTIONS FOR USE
continued Rusty grain beetles Saw toothed grain beetles Silverfish Spiders		ing motors or placing switches in the ON position. Due to shock hazards, do not use pesticide mixture made with water in conduits, motor housings, and electrical switch boxes. Care should be taken to avoid depositing the product onto exposed surfaces or introducing the material into the air. Avoid contamination of feed or food processing surfaces. Repeat application as necessary. Application must be made only by a commercial pest control operator. APPLICATIONS OF THIS PRODUCT IN THE FOOD HANDLING ESTABLISHMENTS OTHER THAN AS A CRACK AND CREVICE TREATMENT ARE NOT PERMITTED.

IN NONFOOD AREAS: Includes garbage rooms, lavatories, drains (to sewer), entries and vestibules, offices, locker rooms, machine rooms, boiler rooms, garage closets and storage (after canning or bottling).

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PEST	RATE	DIRECTIONS FOR USE
Ants	1 pt./2 1/2 gal. OR 1 part in 19 parts mixture of 4 parts kerosene-type solvent and 1 part aromatic hydrocarbon-type solvent	GENERAL APPLICATION Apply as a coarse spray to baseboard areas, around water pipes, surfaces behind and beneath sinks, lockers, tables, pallets and similar areas where insects hide or through which they may enter. Repeat application as necessary. Application must be made only by a commercial pest control operator.
Carpet beetles		
Cigarette beetles		
Clover mites		
Confused flour beetles		
Crickets		
Drug store beetles		
Flat grain beetles		
Granary weevils		
Indian meal moths		
Red flour beetles		
Rice weevils		
Roaches		
Rusty grain beetles		
Saw-toothed grain beetles		
Silverfish		
Spiders		

FLY AND MOSQUITO CONTROL: Fly Control -- For use in and around buildings which house domestic animals, around yards, homes and meat and food-processing plants. Do not use in edible products areas of food processing plants, restaurants or other areas where food is commercially prepared or processed. Do not use in serving areas while food is exposed.

PESTS CONTROLLED	RATE	DIRECTIONS FOR USE
Adult flies	Straight Sprays: 5 Tablespoons + 1 qt. water OR 1 cup + 2 1/2 gal. water OR 1 quart + 12 gal. water	Apply as a spray at the rate of 1 gallon per 1,000 sq. ft. on painted surfaces and 2 gals. per 1,000 sq. ft. on unpainted surfaces where flies alight or congregate, such as walls, ceilings, stanchions, windows in dairy barns, fences, around garbage cans, etc.
Adult flies Fly maggots	Bait Sprays: 5 Tablespoons + 7 Tablespoons sugar or molasses (unsulfurized) or corn syrup + 1 gal. water OR 1 cup + 1 cup sugar or molasses (unsulfurized) or corn syrup + 2 1/2 gal. water	Apply as a bait spray over the surface of manure or poultry droppings. In loafing sheds, spray the dry bedding within 18 inches of the walls and around upright braces. For effective control in and around dairy barns, fly-breeding sites such as manure and other waste material, should be eliminated. Do not apply to freshly whitewashed surfaces. Wait 14 days after whitewashing before applying.

PESTS CONTROLLED	RATE	DIRECTIONS FOR USE
Flies continued	OR 1 quart + 2 1/2 lbs. sugar or 1 quart molasses (unsulfurized) or 1 quart corn syrup + 12 gal. water	

Repeat applications as necessary.
 Avoid contamination of milk, milk equipment and water.
 Avoid contamination of feed and food products, also drinking fountains and feed troughs.
 Remove lactating dairy animals from buildings before treating. Also remove animals under one month of age before treating.
 Avoid applying oil-based formulations to valuable ornamental plants as injury may occur.

Mosquito larvae	13 fl. oz. per acre	For use in standing water (intermittently flooded areas, stagnant water, temporary rain pools.) Mix in sufficient water or oil when applied by air or ground equipment.
Mosquito adults	1 part to 20 parts water, fuel oil or diesel oil	Spray building foundations, shrubs, low trees and lawn areas.

LIVESTOCK PEST CONTROL:

ANIMAL	PEST	RATE	REMARKS
hogs	Lice	1 gal. per 100 gals. of water OR 6 1/2 oz. per 5 gals. of water	Apply complete coverage spray to animals, pens and litter. One treatment may be sufficient. Repeat only if needed.
	Sarcoptic mange	1 gal. per 100 gals. of water OR 6 1/2 oz. per 5 gals. of water	Apply complete coverage spray to all animals in herd, bedding and walls. Use extreme care to thoroughly cover all body surfaces of the animals, including inside of ears. One thorough spraying will usually control sarcoptic mange of swine, however, extensive cases will require second treatment about 10 days after first application.

After spraying, swine should be kept out of sun and wind for a few hours.

continued

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ANIMAL	PEST	RATE	REMARKS
Hogs continued			Residue tolerance: 4 ppm in meat, fat, and meat by-products. Avoid contamination of feed, food containers and watering troughs.
Sheep and Goats	Lice Ticks Keds	1 gal. per 100 gals. of water OR 8 1/2 oz. per 5 gals. of water	Spray animals thoroughly. Repeat application after 2 or 3 weeks if needed. Do not apply to milk goats. Do not treat animals under one month of age. Residue tolerance: 4 ppm in meat, fat and meat by-products.
Horses, beef and non-milking cattle	Lice	1 gal. per 100 gals. of water OR 8 1/2 oz. per 5 gals. of water	Apply complete coverage spray. One treatment may be sufficient. Repeat only if needed.

continued

ANIMAL	PEST	RATE	REMARKS
Horses, etc. continued			BACK-RUBBING DEVICES: To reduce lice apply a mixture of 2% CORNBELT [®] MALATHION 57 (using 57% Emulsifiable Concentrate) in fuel oil. There may also be a reduction in hornflies. These devices should be made continuously accessible, one to each 35-45 head of cattle. Back-rubbing devices must be retreated every 2 to 3 weeks.
	Ticks	1-2 gals. per 100 gals. of water OR 8 1/2-13 oz. per 5 gals. of water	Apply complete coverage spray. Repeat at 2 week intervals if needed.
	Hornflies	1-1 1/2 gals. per 100 gals. of water OR 8 1/2-10 oz. per 5 gals. of water	Apply complete coverage spray. Repeat at 2 week intervals if needed. Do not apply to lactating dairy animals, or nonlactating dairy animals within 2 weeks of freshening.

continued

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ANIMAL	PEST	RATE	REMARKS
Horses, etc. continued			Do not treat animals under one month of age. Residue tolerance: 4 ppm in meat, fat and meat by-products.
Poultry: Chickens, Ducks, Geese, Turkeys	Northern foul mite Poultry lice Chicken red mite	2 Tbsp. per 1 gal. water per 100-150 birds	Repeat application in 4-8 weeks or when necessary. As a supplement to premise treatment for chicken red mite.

PEST	SITE	RATE	REMARKS
Northern foul mite Chicken body lice Shaft lice	Tail dipping	8 1/2 oz. per 15 gals. water per 400 birds	Hold bird by wings and dip 3 to 4 inches of tail into solution. Treat vent and surrounding areas. Repeat in 7-10 days if necessary.

continued

ANIMAL	PEST	SITE	RATE	REMARKS
	Chicken red mite Poultry lice	Roost Paint	2-7 oz. per 1 gal. water	Brush on at rate of 1 pt. per 150 ft. of roost.
	Northern foul mite Chicken red mite Poultry lice Flies	Premise treatments	4 Tbsp. per 1 gal. water	Apply liberally to litter, walls, ceilings, roost nests and adjacent areas. Force spray into cracks and crevices.
	Poultry ticks	Premise treatments	6-7 oz. per 1 gal. water	Apply liberally to walls, ceilings and adjacent areas. Force spray into cracks and crevices.
	Chiggers	Range treatments	1-1 1/2 pt. per acre	Treat range thoroughly the day before placing poultry on range. Repeat every 2-3 weeks.

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PEST	SITE	RATE	REMARKS
Residue tolerance: 4 ppm in or on and meat by-products Eggs 0.1 ppm (from application to poultry)			
Domestic pets (dogs and cats)	Flea Lice Ticks	1 oz./gal.	Wet animal thoroughly. Repeat in 2 to 3 weeks if necessary.
	Flea Ticks	Premise Treatment: 5 oz./gal.	Apply per 1,000 sq. ft. of surface to pet quarters, yards and lawns. Remove manure or debris before treating. Repeat treatment in 3 to 4 weeks if necessary.

OUTDOOR ORNAMENTALS

FLOWERS, SHADE TREES, SHRUBS: Injury may occur on Ferns, Hickory, Viburnum, Lantana, Cressula and Canary Juniper following the use of CORNBELTTM MALATHION 57 Emulsifiable Concentrate, slight injury has also been reported on Boston, Ficus, and Maidenhair Ferns, Petunias, Small-Leaf Spirea, White Pine and Maples. Under extreme heat, drought and disease conditions the emulsifiable concentrates may cause slight damage to stems.

PEST	RATE	REMARKS
Aphids	1 1/2 pts. per 100 gal. OR	-
Spider mites	2 teaspoons per gal.	-
Bagworms	2 pts. per 100 gal. OR	-
Birch leaf miner	2 teaspoons per gal.	-
Boxwood leaf miner		-

PEST	RATE	REMARKS
European pine shoot moth	1 1/2 pts. per 100 gal. OR 2 teaspoons per gal.	-
Four-lined leaf bug		-
Japanese beetle adult		-
Potato leathopper		-
Rose leathopper		-
Tarnished plant bug		-
Thrips		-
Leaf bug	1 pt. per 100 gal. OR 2 teaspoons per gal.	-
Mealybugs	1 1/2 pts. per 100 gal. OR	-
Whiteflies	2 teaspoons per gal.	-
Oak scales	2 pts. per 100 gal. OR 2 teaspoons per gal.	Apply when scale crawlers have settled on foliage.
Tent caterpillar	2 pts. per 100 gal. OR 2 teaspoons per gal.	-

PEST	RATE	REMARKS
Oystar shell scale	1 pt. per 100 gal. OR 2 teaspoons per gal.	Apply when scale crawlers have settled on foliage.
Euonymus scale	1 1/2 pts. per 100 gal. OR	-
Scurfy scale	2 teaspoons per gal.	-
Azalea scale	2 pts. per 100 gal. OR	-
Magnolia scale	2 teaspoons per gal.	-
Pine leaf scale		-
Fletcher scale	2 pts. per 100 gal. OR 2 teaspoons per gal.	Apply when scale crawlers have settled on foliage.
Florida red scale	2 pts. per 100 gal. OR	Apply when scale crawlers have settled on foliage.
Juniper scale	2 teaspoons per gal.	-
Black scale crawlers	2 1/2 pts. per 100 gal. OR	-
Soft brown scale	2 teaspoons per gal.	-

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PEST	RATE	REMARKS
Monterey pine scale	2½ pts. per 100 gal. OR 2 teaspoons per gal.	-
Fine needle scale	4 pts. per 100 gal. OR 4 teaspoons per gal.	-
Wax scale	4 pts. per 100 gal. OR 4 teaspoons per gal.	Apply in spring when crawlers are active. Repeat 1 or 2 full-coverage applications at 10-day intervals.

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FOREST TREES:

TREE	PEST	RATE	REMARKS
Deciduous Forest and Shade trees	Tent caterpillar	2 pts./100 gal. water	Make thorough coverage application before larvae reach third instar.
Pines	Fine needle-sheath miner	1½ pts./acre	Apply by ground or aircraft equipment in 25 gals. of water. Make application when air is calm and temperature is below 68° F. Apply when 75% of larvae have left overwintering mines.
Eastern pines	Fine tortoise scale	1½ pts./acre	Apply by aircraft in 2 gals. of water per acre when crawlers emerge. Repeat application in 1 week under conditions of heavy infestations. Make application when air is calm and temperature is below 68° F.
Red pine	Red-headed pine sawfly	0.8 pt./acre	Apply by mist blower in 2 gallons of water per acre when egg hatch is complete.

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AROUND THE HOME:

SITE	PEST	RATE	REMARKS
In and around greenhouses and gardens	Millipedes Sawbugs Springtails	1 tsp./gal.	Apply to 150 square feet of soil surface or where insects congregate. Repeat at 7 to 10 day intervals as needed.
In and around homes	Bedbugs	2 to 4 table-spoons per gallon of deodorized kerosene	Apply lightly to all mattress surfaces in sufficient quantity to "mat" the fabric and generously to beds and woodwork, with special care taken to wet all possible hiding places.
Lawns	Ant mounds	1½ pts./100 gal.	Spray ant hills thoroughly so that they are well soaked. For other small ants in flower beds, lawns, around trees, spray lightly in the infested areas. Repeat in 10 to 15 days if ants return.
	Ground pearls	3 to 4 qts./100 gal.	Make full coverage to soil surface when ground pearl nymphs are in the pink, "crawler" or active stage and immediately wash into soil with additional water.

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ON AND AROUND CULL FRUIT AND VEGETABLE DUMPS:

PEST	RATE	REMARKS
Drosophila flies Dried fruit beetles	1½ gal. per 100 gal. water	Apply as a drench using 8 to 10 gal. of spray per 100 sq. ft. For best results, dumps should not be over 18 inches deep. DO NOT FEED TREATED FRUIT AND VEGETABLES.

IN AND AROUND WINERIES AND PROCESSING PLANTS:

PEST	RATE	REMARKS
Drosophila flies	3½ oz. in 1 qt. water	Paint all doors and window screens. AVOID CONTAMINATION OF WINE, FOOD, UTENSILS, EQUIPMENT AND WATER.

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PLANTS PROCESSING DRY MILK:

PST	RATE	REMARKS
Black carpet beetles Trogodonta species	1 pt. per 2 1/2 gal.	Clean premises thoroughly before applying and maintain good sanitation at all times. Use spray equipment and nozzle that will produce a coarse spray. Application must be made only by an experienced or trained person. Apply as a residual spray to all sections of the plant and warehouses where insects hide or crawl such as cracks, corners, edges of floors, lower parts of walls, floors under storage platforms and underneath and behind protected pieces. Avoid contamination of milk, dry milk, equipment, utensils, work surfaces, containers and liners. Repeat application as necessary.

CAUTION: CORNBELT® MALATHION E7 sprays may damage finished surfaces and fabrics. Avoid contamination of food, utensils, milk, milk equipment, and water. Do not use in milk processing rooms.

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