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GALLONS

**DIRECTIONS FOR USE**

**IMPORTANT:** When used on cotton, sugar beets, tomatoes, beans, or lettuce at the maximum recommended rates under adverse conditions such as extremely cool or wet or extremely dry weather, this product may cause some delay in emergence, stunting of seedlings, or reduction of stand. Such damage may be more pronounced in light sandy soils. Plant injury may also occur or may be enhanced when certain pre-emergent herbicides are used in conjunction with this product.

**RESTRICTIONS:** Not for home garden use. Do not use on other crops used for food or forage. Use only according to label directions. Application at rates above those shown may result in illegal crop residues. Do not treat food crop grown in the greenhouse. This product is toxic to fish, birds and other wildlife. Birds feeding on treated areas may be killed. Keep out of lakes, streams or ponds. Do not apply where runoff is likely to occur. Do not apply when weather conditions favor drift from areas treated. Do not contaminate water by cleaning of equipment or disposal of wastes. Apply this product only as specified on this label.

**CONTAINER DISPOSAL: DO NOT RE-USE CONTAINER.** Completely empty the contents and bury the unused chemical at least 18 inches deep in an isolated location away from water supplies. Rinse empty can by filling with water and adding 2 tablespoonfuls of household lye. Bury rinse solution at least 18 inches deep in an isolated area away from water supply. Punch holes in the top and bottom of the can, crush the can, and bury deeply in an isolated location. Do not use container in any connection with feed, food, and drinking water.

**DANGER:** Poisonous if swallowed, inhaled, or absorbed through the skin. Rapidly absorbed through the skin. Do not get in eyes, on skin, or on clothing. Wear protective clothing, natural rubber gloves, and goggles. Do not breathe fumes or spray mist. Wear a mask or respirator effective for protection against phosphate insecticide. Information as to suitable types of masks or respirators is available from the U.S. Bureau of Mines. Do not contaminate feed or food. Keep out of reach of children. Keep all unprotected persons out of the operation area or vicinity. Wash hands, arms and face thoroughly with soap and warm water before eating or smoking. Wash all contaminated clothing with soap and hot water before re-use.

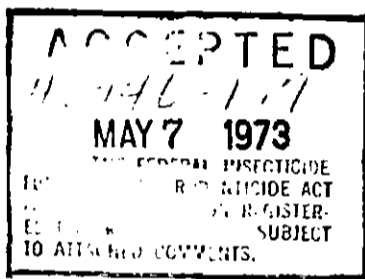
**SYMPTOMS OF POISONING:** A sense of "tightness" in the chest. Sweating. Contracted pupils. Stomach pains. Vomiting and diarrhea.

**TREATMENT:** In case of poisoning, call a physician immediately. Have patient lie down and keep quiet. If swallowed, induce vomiting by giving a tablespoon of salt in a glass of warm water. Administer milk or water freely and again induce vomiting until vomit fluid is clear. If on skin, remove contaminated clothing and wash skin immediately with soap and warm water. If eyes are contaminated wash with flowing water for at least 15 minutes.

**TO PHYSICIAN; ANTIDOTE:** Administer atropine sulfate in large therapeutic doses. Repeat as necessary to the point of tolerance. 2PAM is also antidotal and may be administered in conjunction with atropine. Compound inhibits cholinesterase resulting in stimulation of the central nervous system, the parasympathetic nervous system, and the somatic motor nerves. Do not give morphine. Watch for pulmonary edema, which may develop in serious cases of poisoning even after 12 hours. At first sign of pulmonary edema the patient should be placed in an oxygen tent and treated symptomatically.

**NOTICE:** Seller makes no warranty, expressed or implied, concerning the use of this product other than indicated on the label. Buyer assumes all risk of use and/or handling of this material when such use and/or handling is contrary to label instructions.

**DO NOT USE, POUR, SPILL, OR STORE NEAR HEAT OR OPEN FLAME.**



448-1118

# SYSTEMIC INSECTICIDE

LIQUID CONCENTRATE FOR EFFECTIVE CROP PROTECTION



**POISON**



**DANGER** Keep Out of Reach of Children

READ ANTIDOTE AND COMPLETE PRECAUTIONS ON SIDE PANEL.

**ACTIVE INGREDIENTS**

0,0-Diethyl S-(2-ethylthio-ethyl) phosphorodithioate	.65%
Aromatic Petroleum Distillate	.27%
<b>INERT INGREDIENTS</b>	<b>8%</b>
	<hr/>
	100%

Contains 6 lbs. Active per Gallon

EPA Reg. No. 148-1118



**THOMPSON HAYWARD CHEMICAL COMPANY**

P.O. BOX 2383 KANSAS CITY, KANSAS 66110



46946-197

**RECOMMENDED APPLICATION**

CROP	INSECT	DOSAGE Liquid Concentrate	REMARKS
<b>NON-BEARING FRUIT</b> Strawberries (propagating plants only)	Aphids Mites (except Cyclamen mite)	3.6 to 6.8 fluid ounces per 1000 feet of row (for any row spacing) or 2.6 to 5.3 pints per acre (42 inch row spacing)	Apply in a water emulsion or with liquid fertilizer as a soil injection on each side of the row as needed. Do not use fruit from treated plants for food purposes.
<b>NUTS</b> Pecans (South Central and Southwestern states)	Aphids	2 to 4 pints per acre	Apply by spraying 6-foot bands of soil on both sides of the trees. The bands should be located under the main drip area of the trees. Work the treated soil to a depth of 2 to 3 inches. On irrigated pecans, apply water as soon as possible after treatment. Make only 1 application per season. Early spring treatment is recommended. Do not harvest nuts within 60 days of treatment.
<b>VEGETABLES</b> Beans	Aphids Leafhoppers Mexican bean beetle (larvae) Mites Thrips	1.25 to 2.5 fluid ounces per 1000 feet of row (for any row spacing) or 1.3 to 2.6 pints per acre (30 inch row spacing) (For extremely narrow row spacing, do not exceed the 2.6 pints per acre rate)	For snap or green Lima beans, apply in a water emulsion or with liquid fertilizer as a soil injection on each side of the seed furrow at planting time only. For dry beans, apply as above at planting time or inject as a side-dressing on each side of the row after plants become established but not within 60 days of harvest. Do not apply directly on the seed. Do not apply more than once per season. Read "IMPORTANT" statement under "Directions for Use" for additional information before use on this crop.
Brussels sprouts	Aphids Flea beetles Leafhoppers Mites Thrips	1.5 fluid ounces per 1000 feet of row (for any row spacing) or 1.3 pints per acre (36 inch row spacing)	<b>Transplant Seed Beds:</b> Apply evenly over bed area in a water emulsion as a broadcast spray prior to seeding at the rate of 1.3 pints per acre. Work into the top 2 to 3-inches of soil and plant seed in normal manner. <b>Field Applications:</b> Apply specified dosage in a water emulsion or with liquid fertilizer as an injection on each side of the seed furrow or transplanted row at planting and where necessary, injected as a side dressing after plants are established. Do not apply directly on the seed. Do not apply more than two field applications per season nor within 30 days of harvest for Brussels sprouts, or 40 days of harvest for cauliflower. Allow a minimum of 21 days between applications.
Cauliflower	Aphids Flea beetles Leafhoppers		
Broccoli	Aphids Flea beetles Leafhoppers	1.5 fluid ounces per 1000 feet of row (for any row spacing) or 1.3 pints per acre (36 inch row spacing)	<b>Transplant Seed Beds:</b> Apply evenly over bed area in a water emulsion as a broadcast spray prior to seeding at the rate of 1.3 pints per acre. Work into the top 2 to 3-inches of soil and plant seed in normal manner. <b>Field Applications:</b> Apply specified dosage in a water emulsion or with liquid fertilizer as an injection on each side of the seed furrow or transplanted row at planting or injected as a side-dressing after plants are established. Do not apply directly on the seed. Do not apply more than one field application per season. Do not use within 14 days of harvest for broccoli or 42 days of harvest for cabbage.
Cabbage	Aphids Flea beetles Root aphids	2.2 fluid ounces per 1000 feet of row (for any row spacing)	
Lettuce	Aphids Leafhoppers Mites Thrips	.75 to 1.6 fluid ounces per 1000 feet of row (for any row spacing) or 1.3 to 2.6 pints per acre (20 inch row spacing)	<b>Spring or Summer Seeded Lettuce:</b> Apply in a water emulsion or with liquid fertilizer as an injection on each side of the seed furrow at planting time only. Use the higher rate on heavy organic soils. Do not apply directly on the seed. Do not apply to transplanted lettuce. <b>Fall or Winter Seeded Lettuce:</b> Apply specified dosage in a water emulsion or as a soil injected side-dressing with liquid fertilizer at thinning time. Do not apply within 60 days of harvest.
Peas	Aphids Leafhoppers	1.3 to 3.3 pints per acre	Apply in a water emulsion or with liquid fertilizer as an in-furrow spray or as an injection on each side of the seed furrow at planting or injected as a side-dressing after plants are established. Do not apply more than once per season nor within 50 days of harvest.
Potatoes	Aphids Flea beetles (except tuber flea beetles) Leafhoppers Potato psyllid Southern potato wireworm Colorado potato beetle (early season reduction)	3 to 4.6 fluid ounces per 1000 feet of row (for any row spacing) or 2.6 to 4 pints per acre (38 inch row spacing)	Apply undiluted in specially designed equipment for low volume soil injection or in a water emulsion, or with liquid fertilizer as an in-furrow spray, or injection on each side of the seed furrow at planting or inject as a side-dressing after plants become established. Do not apply more than once per season nor within 75 days of harvest. Higher rate to be used in organic soils.
Spinach	Aphids Leafhoppers Mites Thrips	0.8 fluid ounces per 1000 feet of row (for any row spacing) or 1.3 pints per acre (20 inch row spacing)	Apply in a water emulsion or with liquid fertilizer as an injection on each side of the side furrow at planting time only. Do not apply directly on the seed.
Tomatoes	Aphids Flea beetles Leafhoppers Leaf miners Mites Colorado potato beetle (early season reduction)	1.6 to 4.6 fluid ounces per 1000 feet of row (for any row spacing) or 1.3 to 4 pints per acre (38 inch row spacing)	<b>Transplant Seed Beds:</b> Apply evenly over bed area in a water emulsion as a broadcast spray prior to seeding at the rate of 4 pints per acre. Work into the top 2- to 3-inches of soil and plant seed in normal manner. <b>Field Applications:</b> Apply specified dosage in a water emulsion or with liquid fertilizer as an injection on each side of the seed furrow or transplanted row at planting time. Do not apply directly on the seed. Where 2 field applications are required, use only 1.6 to 3.2 fluid ounces per 1000 feet of row, or 1.3 to 2.6 pints per acre, injected on each side of the seed furrow or transplanted row at planting and as a side-dressing after plants are established. Allow a minimum of 21 days between applications. Do not apply within 30 days of harvest.
			(NOTE Florida Only - Rates up to 14 fluid ounces per 1000 feet of row, with a 72-inch row spacing, may be applied to highly alkaline soil as an injection on each side of the seed furrow or transplanted row at planting time only, or where 2 field applications are required, up to 7 fluid ounces per 1000 feet of row with a 72-inch row spacing, at planting time and up to 7 fluid ounces per 1000 feet of row as a side-dressing after plants become established. Do not apply within 30 days of harvest.) Read "IMPORTANT" statement under "Directions for Use" for additional information before use on this crop.

THE FORD  
COMPANY

Form 66110

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SYSTEMIC INSECTICIDE RECOMM

CROP	INSECT	DOSAGE Liquid Concentrate	REMARKS
<b>FIELD CROPS</b> Alfalfa	Aphids Mites	1.3 pints per acre	Apply as a broadcast spray in a water emulsion or with liquid fertilizer in the early spring prior to growth or to the stubble immediately after the alfalfa has been cut and removed from the field. Do not apply to alfalfa foliage. Allow a minimum of 28 days between applications.
Barley Oats	Aphids Mites	1.3 pints per acre	Apply as a soil injection in a water emulsion or with liquid fertilizer at planting time. Do not apply within 60 days of harvest. Do not graze or cut for forage within 30 days of treatment.
Corn	Rootworms Aphids Leafhoppers Mites Thrips	1.6 fluid ounces per 1000 feet of row (for any row spacing) or 1.3 pints per acre (40 inch row spacing) <b>Note:</b> Do not apply to corn more than once per season regardless of the method of applications.	<b>Treatment at Planting Time:</b> As a water emulsion, spray in a 4- to 6-inch band directly behind the planter shoe in front of the press wheel or apply with liquid fertilizer in split bands on each side of the corn row. Do not apply directly to the seed. Do not forage or cut treated corn for feed or ensilage within 40 days of treatment. Do not harvest for human food purposes within 100 days of treatment. <b>Post-plant Side-dress Treatment:</b> An alternative treatment for early season control of aphids, leafhoppers, mites and thrips, may be made in a water emulsion or with liquid fertilizer as a soil injection on each side of the furrow after emergence. Do not forage or cut treated corn for food, feed or ensilage within 100 days of treatment.
Cotton	Aphids Mites Thrips	1 to 1.6 fluid ounces per 1000 feet of row (for any row spacing) or .75 to 1.3 pints per acre (40 inch row spacing)	<b>Preplant:</b> As a preplant soil incorporated treatment, may be applied in approximately a 16 inch band as a water emulsion either alone or with a pre-emergent herbicide. <b>Planting:</b> Apply as a water emulsion or with liquid fertilizer. Spray in the furrow on either side of the seed or soil inject on each side of the furrow. Do not apply directly on the seed. <b>RATE CHART FOR PREPLANT OR PLANTING TIME APPLICATION</b>
			<b>Heavy Soil</b> 1.6 fl oz /1000 ft. of row or 1-1/3 pts /acre
			<b>Medium Soil</b> 1.3 fl oz /1000 ft. of row or 1 pt. /acre
			<b>Light Soil</b> 1 fl. oz /1000 ft. of row or 3/4 pt /acre <b>Post-Plant:</b> If an additional treatment is needed, apply in a water emulsion or with liquid fertilizer as a soil injection on each side of the row. A single post-plant application at rates up to 2.6 pints/acre may be applied up to first squaring (90 days before harvest) or a single post-plant application at rates up to 1.3 pints/acre may be applied up to 28 days of harvest. Do not apply more than twice per season. Allow a minimum of 21 days between applications.
Peanuts	Aphids Leafhoppers Mites Thrips	1.5 to 3 fluid oz per 1000 ft. of row (for any row spacing) or 1.3 to 2.6 pints per acre (36 inch row spacing)	Apply in a water emulsion or with liquid fertilizer as a soil injection on each side of the seed furrow at planting or inject as a side-dressing after plants are established, and where necessary, at pegging time. Do not apply directly on the seed.
Sorghum	Aphids (Greenbugs)	1/3 to 2/3 pint	<b>Foliar Application</b> <b>For application by aircraft or ground equipment:</b> Apply specified dosage per acre in sufficient water to obtain thorough coverage. For aerial application do not use less than 1 gallon of water per acre, and for ground equipment do not use less than 5 gallons of water per acre. Do not apply more than twice per crop season nor within 7 days of harvest of grain or 28 days of use as forage or fodder.
Sugar Beets	Aphids Leafhoppers Mites	1.3 pints per acre	Apply in a water emulsion or with liquid fertilizer. Spray in the seed furrow 2 inches under the seed furrow at planting or inject as a side-dressing after plants are established. Do not apply directly on the seed. Do not apply more than 3 times per season nor within 30 days of harvest. Allow a minimum of 21 days between applications. Read "IMPORTANT" statement under "Directions for Use" for additional information before use on this crop.
Sugarcane (Puerto Rico only)	Aphids	0.5 to 0.75 pt per acre	Apply specified dosage per acre as a foliar spray in sufficient water for thorough coverage utilizing either an aircraft or ground sprayer. Approximately 4 gallons of water per acre should be used when making aircraft applications. Begin applications when aphids first appear. Repeat as necessary but not more than 4 times per season nor within 28 days of harvest.
Wheat (Foliar Application Spring or Fall) (Oklahoma, Texas and South Dakota only)	Aphids (Greenbugs)	1/3 to 1 pint	<b>For application by aircraft or ground equipment:</b> Apply specified dosage per acre in sufficient water, to obtain thorough coverage but not less than 1 gallon total volume per acre. Use the lower rates on plants up to tillering (stooling). Higher rates should be used after plants begin to tiller. <b>For application in liquid fertilizer:</b> Mix 1/2 to 1 pint in the amount of liquid fertilizer to be applied per acre. Apply this mixture as a top dressing with suitable ground equipment. <b>Fall applications:</b> Wheat may be grazed 7 days after application of the 1/3 pint rate, or 14 days after application of a 1/3 to 1/2 pint rate, or 21 days after applications of rates above 1/2 pint. A second application of 1/3 to 1 pint may be made 30 days following the first application. Observe the same grazing restrictions as above. <b>Spring Applications:</b> Application at green-up may be made following "Fall Applications". Wheat may be grazed 7 days after application of the 1/3 pint rate, or 14 days after application of a 1/3 to 1/2 pint rate, or 21 days after applications of rates above 1/2 pint. A second application of 1/3 to 1 pint may be made 30 days following the first spring application. Do not make any applications within 45 days of grain harvest.
Wheat (Fall)	Hessian fly	1.3 pints per acre	Apply as a soil injection in water emulsion or with liquid fertilizer at planting time in the fall.
<b>FRUIT</b> Pineapple (Hawaiian Islands only)	Mealybug	3.3 pints per acre	Apply with liquid fertilizer as a soil injection. Repeat as necessary but not more than twice per crop period nor within 60 days of harvest. When 2 treatments are used, do not ensilage forage less than 1 year after last application.

118-1118  
**ACCEPTED**  
 MAY 7 1973  
 U.S. DEPT. OF AGRICULTURE  
 FEDERAL INSECTICIDE  
 FUNGICIDE AND RODENTICIDE ACT  
 FOR ECONOMIC POISON REGISTERED  
 UNDER NO. 1118-1118 SUBJECT  
 TO ATTACHED COMMENTS.

\*\*Read "IMPORTANT" statement under "Directions for Use" for additional information before use on this crop.

