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DEMOX 2 LBS. PER GALLON SPRAY CONCENTRATE SYSTEMIC INSECTICIDE



ACTIVE INGREDIENTS:

DEMETON [O,O-Diethyl O (and S) - 2--(Ethylthio) ethyl Phosphorothioates] *

25%

Xylene

68%

INERT INGREDIENTS:

7%

TOTAL

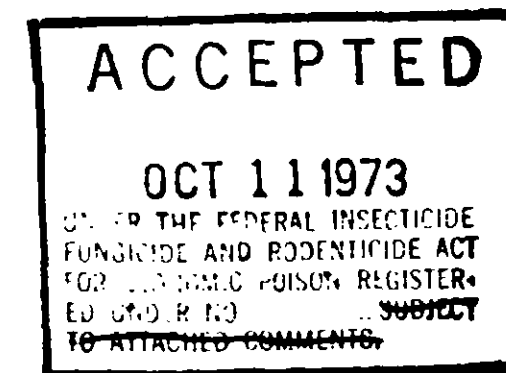
100%

*Contains 2 lbs. of Active per gallon.

EPA REG. NO. 2749-200

NET CONTENTS _____

DANGER



2749-200

POISON



POISON

ANTIDOTE IS ATROPINE SULFATE.

DANGER: KEEP OUT OF REACH OF CHILDREN.

POISONOUS IF SWALLOWED, INHALED OR ABSORBED THROUGH THE SKIN. DO NOT BREATHE SPRAY MIST. USE WITH ADEQUATE VENTILATION AND WHEN USING, WEAR PROTECTIVE CLOTHING, GLOVES, MASK AND GOGGLES. AVOID CONTACT WITH EYES, SKIN, NOSE AND THROAT. IN CASE OF CONTACT, WASH THOROUGHLY WITH SOAP AND WATER. WASH CONTAMINATED CLOTHING WITH SOAP AND WATER BEFORE REUSE.

KEEP ALL UNPROTECTED PERSONS OUT OF THE OPERATING AREA OR VICINITY WHERE THERE MAY BE DANGER OF DRIFT. VACATED AREAS SHOULD NOT BE RE-ENTERED UNTIL THE DRIFTING INSECTICIDE AND VOLATILE RESIDUES HAVE DISSIPATED. WASH HANDS, ARMS AND FACE WITH SOAP AND WATER AFTER HANDLING AND BEFORE EATING OR SMOKING.

IN CASE OF POISONING, CALL A PHYSICIAN IMMEDIATELY. SYMPTOMS OF POISONING ARE A SENSE OF "TIGHTNESS" IN THE CHEST, STOMACH PAINS, CONTRACTED PUPILS, SWEATING, VOMITTING AND DIARRHEA. IN CASE OF CONTACT WITH SKIN, REMOVE CONTAMINATED CLOTHING AND WASH SKIN IMMEDIATELY WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. IF SWALLOWED, CALL A PHYSICIAN IMMEDIATELY THEN LET

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PATIENT LIE DOWN AND INDUCE VOMITTING BY GIVING A TABLESPOONFUL OF SALT IN A GLASS OF WARM WATER. KEEP INDUCING VOMITTING UNTIL VOMIT FLUID IS CLEAR. NOTE TO PHYSICIAN: ATROPINE SULFATE IS ANTIDOTE - ADMINISTER IN LARGE THERAPEUTIC DOSES. REPEAT AS NECESSARY. 2-PAM IS ALSO AN ANTIDOTE AND MAY BE ADMINISTERED IN CONJUNCTION WITH ATROPINE. DO NOT GIVE MORPHINE. WATCH FOR PULMONARY EDEMA AS THIS MAY DEVELOP IN SERIOUS CASES OF POISONING EVEN AFTER 12 HOURS, AT THE FIRST SIGN OF PULMONARY EDEMA. THE PATIENT SHOULD BE PLACED IN AN OXYGEN TENT AND TREATED SYMPTOMATICALLY.

THIS PRODUCT IS TOXIC TO BEES AND SHOULD NOT BE APPLIED WHEN BEES ARE ACTIVELY VISITING THE AREA.

THIS PRODUCT IS TOXIC TO FISH, WILDLIFE AND BIRDS. KEEP OUT OF ANY BODY OF WATER. DO NOT APPLY WHEN WEATHER CONDITIONS FAVOR DRIFT FROM AREAS TREATED. DO NOT APPLY WHERE RUNOFF IS LIKELY TO OCCUR. DO NOT CONTAMINATE WATER BY CLEANING OF EQUIPMENT OR DISPOSAL OF WASTES. APPLY THIS PRODUCT ONLY AS SPECIFIED ON THIS LABEL.

KEEP AWAY FROM DOMESTIC ANIMALS AND FOODSTUFFS.

DO NOT REUSE EMPTY CONTAINER. DESTROY EMPTY CONTAINER BY PERFORATING OR CRUSHING AND BURYING IN A SAFE PLACE.

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

RECOMMENDED USES:

Alfalfa Hay	Cauliflower	Hops	Peaches	Seed Clover
Almonds	Celery	Lemons	Pears	Sorghum
Apples	Colver Hay	Lettuce	Pecans	Stone Fruits*
Apricots	Cotton	Loganberries	Peppers	Strawberries
Beans	Dewberries	Muskmelons	Pineapples*	Sugar Beets
Barley	Eggplant	Nectarines	Plums	Tomatoes
Blackberries	Filberts	Oats	Potatoes	Walnuts
Broccoli	Gooseberries	Oranges	Prunes	Wheat
Brussels Sprouts	Grapefruit	Ornamentals	Raspberries	
	Grapes	Peas	Seed Alfalfa	*Non-Bearing

DIRECTIONS FOR USE:

DEMOX 2 LBS. PER GALLON SPRAY CONCENTRATE, when diluted with water, forms an emulsion and is suitable for use with all power-operated ground sprayers and aircraft sprayers. To mix, just pour DEMOX 2 LBS. PER GALLON SPRAY CONCENTRATE in the proper amount of water and agitate. Only use DEMOX 2 LBS. PER GALLON SPRAY CONCENTRATE on the crops listed. When spraying, work to windward and protect sprayer operators and nearby crops from drift or mist. Do not graze livestock in treated area for at least 21 days. Do not treat food crops grown in greenhouses.

CROP	INSECT	DOSAGE OF DEMOX PER ACRE	REMARKS
FIELD CROPS Alfalfa Clover	Aphids Mites	1 pt.	Apply in sufficient water for complete coverage. Do not apply DEMOX more than once per cutting. Do not apply within 21 days of cutting or pasturing. Do not use treated alfalfa or clover for direct human consumption.
Barley Oats Wheat	Aphids Mites	1/2 to 1 pt. 1 pt.	Apply in sufficient water for complete coverage. Repeat if necessary but do not apply more than twice per season or within 14 days of previous application. Do not apply within 45 days of harvest for grain nor within 21 days of grazing or cutting for forage.
FIELD CROPS Cotton	Thrips Aphids Mites	1 pt. 1 1/2 pts.	Apply in sufficient water for complete coverage. Repeat as necessary. Do not apply within 21 days of picking. Do not graze dairy or meat animals on treated fields. Do not feed gin waste to livestock.
Sorghum	Aphids Mites	1 pt.	Apply by air or ground equipment in sufficient water for complete coverage but not less than 1 gallon per acre. Do not apply more than once per season nor within 15 days of harvest of grain or of grazing or cutting for forage.

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VEGETABLES <u>Beans</u>	<u>Aphids</u> <u>Mites</u> ✓	1½-2 pts.	Apply by air or ground equipment in sufficient water for complete coverage but not less than 1 gallon per acre. Repeat as necessary. Do not apply within 21 days of harvest.
<u>Broccoli</u> <u>Brussels sprouts</u>	<u>Aphids</u>	2 pts.	Apply by air or ground equipment in sufficient water for complete coverage but not less than 1 gallon per acre. Repeat as necessary. Do not apply within 21 days of harvest. First application may be made at specified dosage per 100 gallons of transplant water.
<u>Celery</u>	<u>Aphids</u> <u>Mites</u> ✓	1 pt.	Apply in 100 gallons of water as a full coverage spray* using not more than 200 gallons of dilute spray per acre at the 1 pt. rate nor more than 100 gallons per acre at the 2 pt. rate. Do not apply within 28 days of harvest for celery. Do not apply within 21 days of harvest for lettuce and peas.
<u>Lettuce</u>	<u>Aphids</u>	1-2 pts.	
<u>Peas</u>	<u>Aphids</u>	1 pt.	
<u>Eggplant</u>	<u>Aphids</u>	1-1½ pts.	Apply by air or ground equipment in sufficient water for complete coverage but not less than 1 gallon per acre. Do not apply more than twice per season nor within 7 days of harvest.
<u>Peppers</u>	<u>Aphids</u>	1½ pts.	Apply by air or ground equipment in sufficient water for complete coverage but not less than 1 gallon per acre. Repeat as necessary. Do not apply within 3 days of harvest.
<u>Potatoes</u>	<u>Aphids</u> <u>Leafhoppers</u>	¾-2 pts.	Apply by air or ground equipment in sufficient water for complete coverage but not less than 1 gallon per acre. Repeat as necessary. Do not apply within 21 days of harvest.
<u>Tomatoes</u>	<u>Aphids</u> <u>Mites</u> ✓	1-1½ pts.	Apply in 100 gallons of water as a full coverage spray* using not more than 150 gallons of dilute spray per acre at the 1 pt. rate nor more than 100 gallons per acre at the 1½ pt. rate. Do not apply within 3 days of harvest.
MELONS <u>Musk melons</u>	<u>Aphids</u> <u>Beet leafhoppers</u> <u>Mites</u>	1½ pts.	Apply in sufficient water for complete coverage. If band spray applications are used, reduce the specified dosage in proportion to the amount of acreage actually sprayed. Repeat as necessary. Do not apply within 21 days of harvest.
<u>Flowers</u> <u>Shrubs, &</u> <u>Trees</u>	<u>Aphids</u> <u>Mealybugs</u> <u>Mites</u> <u>Whiteflies</u>	½-¾ pt.	FOLIAR SPRAY: Mix specified dosage in 50 gallons of water and spray plants until they are thoroughly wet.
	<u>Birch leaf miner</u> <u>Boxwood leaf miner</u> <u>Holly leaf miner</u> <u>Lace bugs</u>	¾-1 pt.	SOIL DRENCH: Mix specified dosage in 50 gallons of water to form an emulsion (1 pt. DEMOX per 50 gals. is equivalent to 2 teaspoonsful per gallon of water). Apply 1 pt. of this emulsion per each square foot of bench or bed area to be treated. For potted plants, apply ¼ pt. of emulsion per 6 inch pot. For treatment of shrubs and trees up to 6 feet in height, apply 1 to 2 gallons of the water emulsion around the base of each plant. Use proportionately more for taller plants. Repeat applications as required. Do not apply within 5 days of hand-picking, pruning, transplanting, or other handling. CAUTION: Phytotoxicity has occurred on African violets, cibotium ferns, and Croft lilies. Caution should be exercised when treating these plants.
<u>Chrysanthemums</u> <u>Daffodils</u> <u>Lilies</u> <u>Primroses</u>	Foliar or bud and leaf nematodes (aphelochoides) <u>Bulb or Stem nematodes</u>	1-2 pts.	Mix specified dosage in 50 gallons of water and spray plants until they are thoroughly wet (1 pt. DEMOX per 50 gallons is equivalent to 2 teaspoonsful per gallon of water). For use as a soil drench, prepare a DEMOX emulsion as above and apply 1 pt. of the emulsion to each square foot of bench or bed that are to be treated. For potted plants, apply ¼ pt. of the water emulsion per 6 inch pot. Apply foliar sprays or soil drenches at 1 to 2 week intervals. Three applications may be required for maximum control of nematodes. The intervals between applications may be extended to 2 to 3 weeks at the 2 pt. rate. Do not apply within 5 days of hand-picking, pruning, transplanting, or other handling. CAUTION: Phytotoxicity has occurred on Croft lilies. Caution should be exercised when treating these plants.

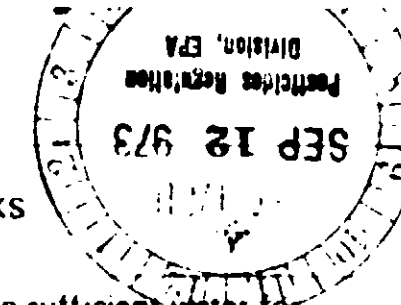
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ACCEPTED
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* This concentration is calculated for conventional hydraulic-type sprayers. When lower volumes of spray are applied per acre with concentrate sprayers, increase the concentration of DEMOX 2 LBS. PER GALLON SPRAY CONCENTRATE in the spray mixture in order to apply amount of active ingredients per acre equivalent to a full coverage spray. Where conditions dictate an air application, apply dosages per acre equivalent to a full coverage ground spray in not less than one gallon of water per acre.



Manufactured for
ACETO CHEMICAL CO., INC.
AGRICULTURAL CHEMICALS DIVISION
126-02 NORTHERN BOULEVARD, FLUSHING, N.Y. 11368

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CROP	INSECT	DOSAGE OF DEMOX PER ACRE	REMARKS
<u>Sugar Beets</u>	<u>Aphids</u> <u>Mites</u>	2 pts.	Apply by air or ground equipment in sufficient water for complete coverage but not less than 1 gal. per acre. Repeat as necessary but not more than 3 times per season nor within 30 days of harvest.
<u>Hops</u>	<u>Aphids</u>	1 pt.	Apply in 100 gallons of water as a full coverage spray using not more than 200 gallons of dilute spray per acre. Do not apply within 21 days of harvest.
SEED FIELD CROPS <u>Alfalfa</u> <u>Clover</u>	<u>Aphids</u> <u>Mites</u>	1 pt.	Apply in a minimum of 10 gallons of water per acre when applying with ground equipment, or a minimum of 2 gallons per acre for aerial applications. Repeat as necessary. Do not pasture or use treated crop for feed, food or forage.
FRUITS <u>Apples</u>	<u>Aphids</u> <u>Mites</u> <u>Unspotted tentiform leaf miner</u>	$\frac{3}{4}$ -2 pts. 1 pt.	Apply in 100 gallons of water as a full coverage spray using not more than 1200 gallons of finished spray per acre. When applying at the 1 pint or over rate, do not apply more than one time per season. Do not apply within 21 days of harvest. Lower rates are effective when used in regular preventive spray programs. To control established mite or aphid populations, use the higher rate.
<u>Apricots</u> <u>Nectarines</u> <u>Peaches</u>	<u>Aphids</u> <u>Mites</u>	$\frac{3}{4}$ pt.	Apply in 100 gallons of water as a full coverage spray* using not more than 800 gallons of finished spray per acre. Do not apply more than 3 times per season nor within 30 days of harvest.
<u>Pears</u>	<u>Aphids</u> <u>Mites</u> <u>Unspotted tentiform leaf miners</u>	$\frac{3}{4}$ pt. 1 pt.	Apply in 100 gallons of water as a full coverage spray* using not more than 900 gallons of finished spray per acre. Do not apply more than 3 times per season nor within 21 days of harvest.
<u>Blackberries</u> <u>Dewberries</u> <u>Gooseberries</u> <u>Loganberries</u> <u>Raspberries</u>	<u>Aphids</u> <u>Leafhoppers</u> <u>Mites</u>	1 to 2 pts.	Apply as a post-harvest treatment, in the late summer or fall months only, for reduction of insect infestation and to permit further plant growth. Apply in 100 gals. of water as a full coverage spray*, applying not more than 600 gallons dilute spray per acre at the 1 pt. rate nor more than 300 gallons per acre at the 2 pt. rate.
<u>Grapefruit</u> <u>Lemons</u> <u>Oranges</u>	<u>Aphids</u> <u>Citrus red mite</u>	1 pt.	Apply in 100 gallons of water as a full coverage spray* using not more than 1000 gallons of finished spray per acre. Do not apply within 21 days of harvest.
<u>Grapes</u>	<u>Leafhoppers</u> <u>Mites</u>	1 $\frac{1}{2}$ pts.	Apply in sufficient water for complete coverage. Where ground conditions dictate an air application of DEMOX, use specified rate in a minimum of 1 gallon of water per acre. Do not apply within 21 days of harvest.
<u>Strawberries</u>	<u>Aphids</u> <u>Mites (except Cyclamen mite)</u>	1 $\frac{1}{2}$ pts.	
<u>Plums</u> <u>Prunes (fresh)</u>	<u>Aphids</u> <u>Mites</u>	1-1 $\frac{1}{2}$ pts.	Apply in 100 gallons of water as a full coverage spray* using not more than 800 gallons of finished spray per acre. Do not apply more than 3 times per season or within 30 days of harvest at the low rate nor more than twice per season or within 60 days of harvest at the high rate.
NON-BEARING FRUITS <u>Stone Fruits</u>	<u>Aphids</u> <u>Mites</u>	1-2 pts.	Apply in 100 gallons of water as a full coverage spray* on non bearing stone fruits. Repeat as necessary.
<u>Pineapple</u>	<u>Mites</u>	(See Remarks)	For temporary protection of pineapple planting stock, dip stock in emulsion containing 2 pints of DEMOX per 100 gallons of water. Do not handle treated stock with bare hands.
NUTS <u>Almonds</u> <u>Walnuts</u>	<u>Aphids</u> <u>Mites</u>	3 pts.	Apply once a season in sufficient water for complete coverage. When ground conditions indicate an air application, use specified rate in a minimum of 1 gallon of water per acre. May be combined with codling moth spray. Do not apply within 21 days of harvest.
<u>Filberts</u> <u>Pecans</u>	<u>Aphids</u> <u>Aphids</u> <u>Mites</u>	1 pt. 1 pt.	Apply in 100 gallons of water as a full coverage spray*, using not more than 1000 gallons dilute spray per acre on filberts or 400 gallons per acre on pecans. Repeat as necessary. Do not apply within 40 days of harvest for filberts nor 21 days of harvest for pecans.

ACCEPTED
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 OCT 11 1973
 UNDER THE FEDERAL INSECTICIDE
 FUNGICIDE AND RODENTICIDE ACT
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 TO ATTACHED COMMENTS SUBJECT