

# DEMOX 6 LB. PER GALLON CONCENTRATE SYSTEMIC INSECTICIDE

## For control of Aphids, Mites and Leafhoppers.

### ACTIVE INGREDIENTS:

Demeton (O,O-Diethyl-O (and S) -2- (ethylthio) ethyl)  
phosphorothioates)\* ..... 68%

Xylene ..... 27%

INERT INGREDIENTS: ..... 5%

TOTAL 100%

\* Contains 6 lbs. of Active per gallon.

EPA REG. NO. 2749-192

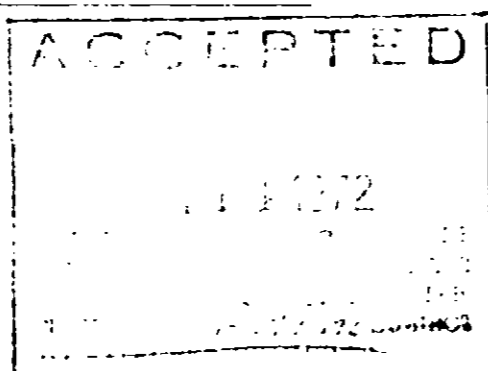
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DANGER

POISON



POISON



ANTIDOTE IS ATROPINE SULFATE.

SEE ANTIDOTE STATEMENT AND OTHER PRECAUTIONS ON SIDE PANEL.

**DANGER:** KEEP OUT OF REACH OF CHILDREN.

POISONOUS IF SWALLOWED, INHALED OR ABSORBED THROUGH THE SKIN. RAPIDLY ABSORBED THROUGH THE SKIN. DO NOT BREATHE SPRAY MIST. DO NOT GET IN EYES, ON SKIN, OR ON CLOTHING. USE WITH ADEQUATE VENTILATION AND WHEN USING, WEAR WATERPROOF PROTECTIVE CLOTHING, NATURAL RUBBER GLOVES, GOGGLES AND A MASK APPROVED BY THE U.S. BUREAU OF MINES. WASH CONTAMINATED CLOTHING WITH SOAP AND WATER BEFORE REUSE. WASH HANDS, ARMS AND FACE WITH SOAP AND WATER AFTER HANDLING AND BEFORE EATING OR SMOKING.

ANTIDOTE: 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. IF EYES ARE CONTAMINATED, FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES AND CALL A PHYSICIAN IMMEDIATELY.

IF SWALLOWED, GIVE A TABLESPOONFUL OF SALT IN A GLASS OF WARM WATER AND REPEAT UNTIL VOMIT FLUID IS CLEAR. HAVE VICTIM LIE DOWN AND KEEP QUIET. CALL A PHYSICIAN IMMEDIATELY.

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.

DO NOT CONTAMINATE FEED AND FOODSTUFFS.

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

### RECOMMENDED USES:

- |                  |                |               |
|------------------|----------------|---------------|
| ALFALFA          | HOPS           | RASPBERRIES   |
| ALMONDS          | LEMONS         | SORGHUM       |
| APPLES           | LETTUCE        | STONE FRUITS* |
| APRICOTS         | LOGANBERRIES   | STRAWBERRIES  |
| BEANS            | MUSKMELONS     | SUGAR BEETS   |
| BARLEY           | NECTARINES     | TOMATOES      |
| BLACKBERRIES     | OATS           | WALNUTS       |
| BROCCOLI         | ORANGES        | WHEAT         |
| BRUSSELS SPROUTS | ORNAMENTALS    |               |
| CABBAGE          | PEAS           |               |
| CAULIFLOWER      | PEACHES        |               |
| CELERY           | PEARS          |               |
| CLOVER           | PECANS         |               |
| COTTON           | PEPPERS        |               |
| DEWBERRIES       | PINEAPPLES*    |               |
| EGGPLANT         | PLUMS          |               |
| FILBERTS         | POTATOES       |               |
| GOOSEBERRIES     | PRUNES (FRESH) |               |
| GRAPEFRUIT       |                |               |
| GRAPES           |                |               |

\*NON-BEARING

### DIRECTIONS FOR USE:

DEMOX 6 LB. PER GALLON SPRAY CONCENTRATE, WHEN DILUTE WATER, FORMS AN EMULSION AND IS SUITABLE FOR USE WITH ALL OPERATED GROUND SPRAYERS AND AIRCRAFT SPRAYERS. TO MIX, POUR DEMOX 6 LB. PER GALLON SPRAY CONCENTRATE IN THE AMOUNT OF WATER AND AGITATE. ONLY USE DEMOX 6 LB. PER GALLON SPRAY CONCENTRATE ON THE CROPS LISTED. WHEN SPRAYING, WINDWARD AND PROTECT SPRAYER OPERATORS AND NEARBY CROPS FROM DRIFT AND MIST. DO NOT GRAZE LIVESTOCK IN TREATED AREA FOR AT LEAST 21 DAYS. DO NOT TREAT FOOD CROPS GROWN IN GREENHOUSES.

### RECOMMENDED APPLICATIONS

CROP	INSECT	PINTS DEMOX 6 LB. PER GALLON CONCENTRATE PER ACRE	REMARKS
FIELD CROPS			
Alfalfa Clover	Aphids Mites	1/3 Pt.	Apply in a minimum of 10 gallons of water per acre when applying with ground equipment, and a minimum of 100 gallons per acre for aerial application. Do not apply DEMOX more than once per season, nor within 21 days of grazing or pasturing. Do not use treated clover for direct human consumption.
Barley Oats Wheat	Aphids	1/6 to 1/3 Pt.	Apply by air or ground equipment with sufficient water for complete coverage, but not less than 1 gallon per acre per application. Do not apply more than twice per season nor within 45 days of harvest for grazing or forage.
	Mites	1/3 Pt.	
Cotton	Thrips	1/3 Pt.	Apply by air or ground equipment with sufficient water for complete coverage, but not less than 1 gallon per acre per application. Do not apply more than once per season, nor within 35 days of harvest for grazing or cutting for forage.
	Aphids Mites	1/2 Pt.	
Sorghum	Aphids Mites	1/3 Pt.	Apply by air or ground equipment with sufficient water for complete coverage, but not less than 1 gallon per acre per application. Do not apply more than once per season, nor within 35 days of harvest for grazing or cutting for forage.
Sugar Beets	Aphids Mites	2/3 Pt.	Apply by air or ground equipment with sufficient water for complete coverage, but not less than 1 gallon per acre per application. Do not apply more than once per season nor within 30 days of harvest.
Hops	Aphids	1/3 Pt.	Apply in 100 gallons of water per acre coverage spray. * Do not apply more than once per season, nor within 21 days of harvest.

**CONCENTRATE, WHEN DILUTED WITH WATER, IS SUITABLE FOR USE WITH ALL POWER-CRAFT SPRAYERS. TO MIX, JUST USE DEMOX 6 LB. PER GALLON CONCENTRATE IN THE PROPER RATIO. WHEN SPRAYING, WORK TO PROTECT STOCK AND NEARBY CROPS FROM CONTACT IN TREATED AREA FOR AT LEAST 24 HOURS. DEMOX IS NOT TO BE USED ON CROPS GROWN IN GREENHOUSE.**

**DO NOT FEED TREATED FORAGE TO LIVESTOCK. DEMOX IS NOT TO BE USED ON CROPS GROWN IN GREENHOUSE.**

Apply in a minimum of 10 gallons of water per acre when applying with ground equipment, and a minimum of 2 gallons per acre for aerial applications. Do not apply DEMOX more than once per cutting, nor within 21 days of cutting or pasturing. Do not use treated alfalfa or clover for direct human consumption.

Apply by air or ground equipment in sufficient water for complete coverage but not less than 1 gallon per acre. Repeat as necessary but do not apply more than twice per season nor 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.

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 picking. Do not graze dairy or meat animals on treated fields. Do not feed gin waste to livestock.

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 35 days of harvest of grain or of grazing or cutting for forage.

Apply by air or ground equipment in sufficient water for complete coverage but not less than 1 gallon per acre. Repeat as necessary but not more than 3 times per season nor within 30 days of harvest.

Apply in 100 gallons of water as a full coverage spray.\* Do not apply more than 200 gallons of dilute spray per acre. Do not apply within 21 days of harvest.

CROP	INSECT	PINTS DEMOX 6 LB. PER GALLON CONCENTRATE PER ACRE	REMARKS
FRUITS	Apples	Aphids Mites	1/4 to 2/3 Pt. Apply in 100 gallons of water as a full coverage spray using not more than 1,200 gallons of finished spray per acre.* Do not apply the 1/3 pint and 2/3 pint rates more than once. Do not apply the 1/4 pint rate more than three times 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 population use the high rates.
		Unspotted tentiform leaf miner	1/3 Pt.
Apricots Nectarines Peaches	Aphids Mites	1/3 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.
		Pears	Aphids Mites
Blackberries Dewberries Gooseberries Loganberries Raspberries	Aphids Leafhoppers Mites	1/3 to 2/3 Pt.	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. Use specified dosage in 100 gallons of water as a full coverage spray.* Do not apply more than 600 gallons dilute spray per acre at the 1/3-pint rate nor more than 300 gallons per acre at the 2/3-pint rate.
		Grapefruit Lemons Oranges	Aphids Citrus red mite
Grapes	Leafhoppers Mites	1/2 Pt.	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.
Strawberries	Aphids Mites (except Cyclamen mite)	1/2 Pt.	Apply in 100 gallons of water as a full coverage spray.* Do not apply 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.
Plums Prunes (Fresh)	Aphids Mites	1/3 to 1/2 Pt.	Apply in 100 gallons of water as a full coverage spray.* Do not apply 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			
Stone Fruits	Aphids Mites	1/3 to 2/3 Pt.	Apply in 100 gallons of water as a full coverage spray* on non-bearing stone fruits. Repeat as necessary.
Pineapple	Mites	(See Remarks)	For temporary protection of pineapple planting stock dip stock in emulsion containing 2/3 pint of DEMOX per 100 gallons of water. Do not handle treated stock with bare hands.

CROP	INSECT	PINTS DEMOX 6 LB. PER GALLON CONCENTRATE PER ACRE	REMARKS
NUTS	Almonds Walnuts	Aphids Mites	1/4 to 2/3 Pt. Apply in 100 gallons of water as a full coverage spray using not more than 1,200 gallons of finished spray per acre.* Do not apply the 1/3 pint and 2/3 pint rates more than once. Do not apply the 1/4 pint rate more than three times 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 population use the high rates.
		Filberts	Aphids Mites
VEGETABLES	Beans	Aphids Mites	1/2 to 2/3 Pt. 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.
		Broccoli Brussels Sprouts Cabbage Cauliflower	Aphids
Celery	Aphids Mites	1/3 Pt.	Apply in 100 gallons of water as a full coverage spray.* Do not apply more than 200 gallons of dilute spray per acre at 1/3-pint rate nor more than 100 gallons per acre at the 2/3-pint rate. Do not apply within 21 days of harvest for lettuce and peas nor within 28 days of harvest for celery.
		Lettuce	Aphids
Peas	Aphids	1/3 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 twice per season nor within 7 days of harvest.
Eggplant	Aphids	1/3 to 1/2 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 twice per season nor within 7 days of harvest.
Peppers	Aphids	1/2 Pt.	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.
Potatoes	Aphids Leafhoppers	1/4 to 2/3 Pt.	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.
Tomatoes	Aphids Mites	1/3 to 1/2 Pt.	Apply in 100 gallons of water as a full coverage spray.* Do not apply more than 150 gallons of dilute spray per acre at the 1/3-pint rate nor more than 100 gallons per acre at the 1/2-pint rate. Do not apply within 3 days of harvest.

CROP	INSECT	PINTS DEMOX 6 LB. PER GALLON CONCENTRATE PER ACRE	REMARKS
Chrysanthemums Daffodils Lilies Primrose	Foliar nematodes or bud and leaf nematodes (aphelanchorides): bulb or stem nematodes (Ditylenchus)	1/3 to 2/3 Pt.	*This dosage is calculated for conventional hydraulic-applied per acre with concentrate sprayers, increase the amount of DEMOX per acre if ground conditions dictate an air application, apply dosage per acre not less than one gallon of water per acre.
		1/3 to 2/3 Pt.	



Manufactured for:  
**ACETO CHEMICAL CO., INC.**  
AGRICULTURAL CHEMICALS DIV.

126-02 NORTHERN BOULEVARD, FLUSHING, N.Y. 11355

PINTS DEMOX  
6 LB PER GALLON  
CONCENTRATE

CROP	INSECT	PER ACRE	REMARKS
MELONS			
Muskmelons	Aphids Belt Leafhopper Mites		Apply in sufficient water for complete coverage but not less than 1 gallon per acre. 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.

ORNAMENTALS FOR USE BY COMMERCIAL APPLICATORS AND COMMERCIAL GROWERS ONLY

Flowers Shrubs, & Trees	Aphids Mealybugs Mites Whiteflies Birch leaf miner Boxwood leaf miners Holly leaf miner Lace bugs Camellia scale Rhododendron scale Soft brown scale Tea scale	1/6 to 1/4 Pt.	FOLIAR SPRAY: Mix specified dosage in 50 gallons of water and spray plants until they are thoroughly wet.  SOIL DRENCH: Mix specified dosage in 50 gallons of water to form an emulsion (1/3 pint DEMOX per 50 gallons is equivalent to 2/3 teaspoonful per gallon of water.) Apply 1 pint of this emulsion per each square foot of bench or bed area to be treated. For potted plants apply 1/4 pint 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.
	Chrysanthemums Daffodils Lilies Primrose	Foliar nematodes or bud and leaf nematodes (aphel- anchordes): bulb or stem nematodes (Ditylenchus)	1/3 to 2/3 Pt.

\*This dosage is calculated for conventional hydraulic-type sprayers. When lower volumes of spray are applied per acre with concentrate sprayers, increase the concentration of DEMOX in the spray mixture in order to apply amount of DEMOX per acre equivalent to a full coverage spray. Where conditions dictate an air application, apply dosage per acre equivalent to a full coverage ground spray in no less than one gallon of water per acre.

Manufactured for:  
**DETO CHEMICAL CO., INC.**  
AGRICULTURAL CHEMICALS DIV.

100 NORTHERN BOULEVARD, FLUSHING, N.Y. 11368