

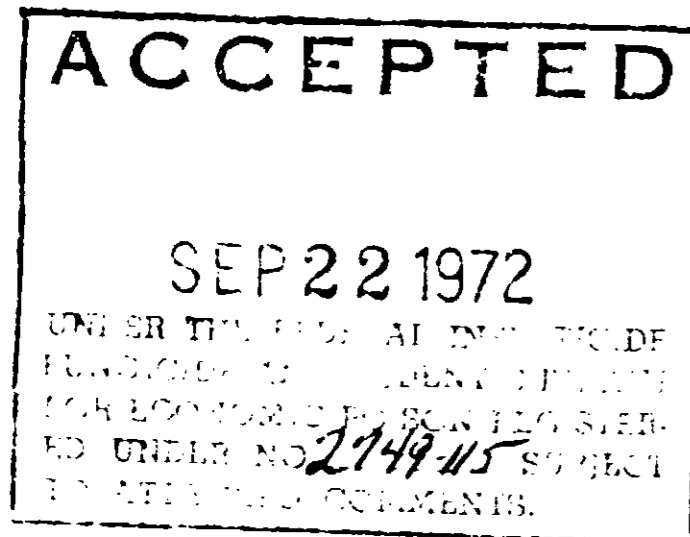
**ACTIVE INGREDIENT:**

Demeton [0,0-Diethyl 0 (and S)-2-(ethylthio) ethyl phosphorothioate] \* 26.2%

**INERT INGREDIENTS:**

**TOTAL** 73.8%  
100.0%

\*Contains 2 lbs. of Demeton per gallon



EPA REG. NO. 2749-115  
NET CONTENTS \_\_\_\_\_

**DANGER**



**POISON**

**POISON**

ANTIDOTE IS ATROPINE

See antidote statement and other precautions on side of label.

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

**KEEP AWAY FROM DOMESTIC ANIMALS AND FOODSTUFFS.**

This product is highly toxic to bees exposed to direct treatment or residues on crops. Protective information may be obtained from your Cooperative Agricultural Extension Service.

Poisonous if swallowed, inhaled or absorbed through the skin. Rapidly absorbed through the skin. Do not breathe fumes or spray mist. Use with adequate ventilation and when using, wear protective clothing, natural rubber gloves, mask approved by the U.S. Bureau of Mines and goggles. Do not get in eyes, on skin or clothing. In case of contact, remove contaminated clothing and wash skin immediately 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 or drift. Vacated areas should not be reentered 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.

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 reuse empty container. Destroy empty container by perforating or crushing and burying in a safe place.

Do not store near or contaminate feed or foodstuffs. Not for use or storage in or around the home.

**RECOMMENDED USES:**

<u>Field Crops</u>	<u>Seed Field Crops</u>	<u>Fruit</u>	
Alfalfa	Alfalfa	Apples	Nectarines
Barley	Barley	Apricots	Oranges
Clover Hay	Oats	Blackberries	Peaches
Cotton	Wheat	Dewberries	Pears
Hops		Gooseberries	Plums
Sugar Beets		Grapes	Prunes
Wheat		Grapefruits	Raspberries
		Lemons	Strawberries
		Loganberries	

<u>Nuts</u>	<u>Vegetables</u>		<u>Ornamentals</u>
Almonds	Beans	Eggplants	Chrysanthemums
Filberts	Broccoli	Lettuce	Daffodils
Pecans	Brussel Sprouts	Peas	Lilies
Walnuts	Cabbage	Peppers	Primroses
	Cauliflower	Potatoes	Shrubs
	Celery	Tomatoes	Trees

**DIRECTIONS FOR USE:**

DEMOX 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 Spray Concentrate in the proper amount of water and agitate. Only use DEMOX 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



## ANTIDOTE IS ATROPINE

See antidote statement and other precautions on side of label.

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

**KEEP AWAY FROM DOMESTIC ANIMALS AND FOODSTUFFS.**

This product is highly toxic to bees exposed to direct treatment or residues on crops. Protective information may be obtained from your Cooperative Agricultural Extension Service.

Poisonous if swallowed, inhaled or absorbed through the skin. Rapidly absorbed through the skin. Do not breathe fumes or spray mist. Use with adequate ventilation and when using, wear protective clothing, natural rubber gloves, mask approved by the U.S. Bureau of Mines and goggles. Do not get in eyes, on skin or clothing. In case of contact, remove contaminated clothing and wash skin immediately with soap and water. Wash contaminated clothing with soap and water before reuse.

In case of poisoning, call a physician immediately. Symptoms of poisoning are a sense of "tightness" in the chest, stomach pains, contracted pupils, sweating, vomiting 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. If swallowed, call a physician immediately then let patient lie down and induce vomiting by giving a tablespoonful of salt in a glass of warm water. Keep inducing vomiting until vomit fluid is clear. Note to physician: Atropine 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.

Barley  
Clover Hay  
Cotton  
Hops  
Sugar Beets  
Wheat

Barley  
Oats  
Wheat

Apricots  
Blackberries  
Dawberries  
Gooseberries  
Grapes  
Grapefruits  
Lemons  
Loganberries  
Oranges  
Peaches  
Pears  
Plums  
Prunes  
Raspberries  
Strawberries

Nuts  
Almonds  
Filberts  
Pecans  
Walnuts

Vegetables  
Beans  
Broccoli  
Brussel Sprouts  
Cabbage  
Cauliflower  
Celery  
Eggplants  
Lettuce  
Peas  
Peppers  
Potatoes  
Tomatoes

Ornamentals  
Chrysanthemums  
Daffodils  
Lilies  
Primroses  
Shrubs  
Trees

### DIRECTIONS FOR USE:

DEMOX 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 Spray Concentrate in the proper amount of water and agitate. Only use DEMOX 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 <u>Alfalfa Hay</u> <u>Clover Hay</u>	<u>Aphids</u> <u>Mites</u>	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.

# DEMOX SPRAY CONCENTRATE SYSTEMIC INSECTICIDE

working area or vicinity where should not be reentered until the insecticide has dissipated. Wash hands, arms and face before eating or smoking.

3. Keep out of any body of water. Wind conditions favor drift from areas where application occurs. Do not contaminate waterways with product wastes. Apply this product

from the original container by perforating or

cutting. Not for use or storage

- Fruit
- Nectarines
  - Oranges
  - Peaches
  - Pears
  - Plums
  - Prunes
  - Raspberries
  - Strawberries

- Ornamentals
- Chrysanthemums
  - Daffodils
  - Lilies
  - Primroses
  - Shrubs
  - Trees

When mixed with water, forms an emulsion and is used in hand sprayers and aircraft sprayers. To mix, add 1 part of concentrate to 100 parts of water and agitate. Only use in windward and protect sprayer from drift. Do not graze livestock in treated area for 24 hours.

CROP	INSECT	DOSAGE OF DEMOX PER ACRE	REMARKS
<u>Barley</u> <u>Oats</u> <u>Wheat</u>	<u>Aphids</u>	½ to 1 pt.	Apply in sufficient water for complete coverage. Repeat if necessary but do not apply more than twice per year. Allow 14 days between application. Do not apply within 45 days of harvest for grain. Do not graze or cut for forage within 21 days of application.
	<u>Mites</u>	1 pt.	
<u>Cotton</u>	<u>Thrips</u>	1 pt.	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.
	<u>Aphids</u> <u>Mites</u>	1½ pts.	
<u>Sugar Beets</u>	<u>Aphids</u> <u>Mites</u>	2 pts.	Apply in sufficient water for complete coverage. Repeat as necessary but not more than 3 times per season or within 30 days of harvest.
<u>Hops</u>	<u>Aphids</u>	1 pt.	Apply in 100 gallons of water as a full coverage spray and do not apply within 21 days of harvest.
<u>SEED FIELD CROPS</u> <u>Alfalfa</u>	<u>Aphids</u> <u>Mites</u>	1 to 2 pts.	Apply in sufficient water for complete coverage. Repeat as necessary up to 15 days before harvest. Chaff from seed crop may be used for feed or forage. Do not cut green crop for these purposes. Do not feed straw or hullings to livestock.
<u>Barley</u> <u>Oats</u> <u>Wheat</u>	<u>Aphids</u>	1 pt.	Apply in sufficient water for complete coverage. Do not pasture or use treated crop for feed, food or forage.
	<u>Mites</u>	1 pt.	
<u>FRUIT</u> <u>Apples</u>	<u>Aphids</u> <u>Mites</u>	¾ to 2 pts.	Apply in 100 gallons of water as a full coverage spray. Do not apply the 2 pt. rate more than once nor the lower rates more than 3 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 populations use the high rate.
	<u>Unspotted tentiform leaf miners</u>	1 pt.	

CROP	INSECT	DOSAGE OF DEMOX PER ACRE	REMARKS
<u>Grapefruit</u> <u>Lemons</u> <u>Oranges</u>	<u>Aphids</u> <u>Citrus red mite</u>	1 pt.	Apply full coverage. Do not apply within 21 days of harvest.
<u>Grapes</u>	<u>Leafhoppers</u> <u>Mites</u>	1½ pts.	Apply complete coverage. Do not apply within 21 days of harvest.
<u>Strawberries</u>	<u>Aphids</u> <u>Mites (except cyclamen mite)</u>	1½ pts.	Apply full coverage. Do not apply within 21 days of harvest or with high rate.
<u>Plums</u> <u>Prunes (fresh)</u>	<u>Aphids</u> <u>Mites</u>	1 to 1½ pts.	Apply full coverage. Do not apply within 21 days of harvest or with high rate.
<u>NON-BEARING FRUITS</u> <u>Pineapple</u>	<u>Mites</u>	(See Remarks)	For treatment of pineapples use DEMOX emulsion. Do not apply to bare fruit.
<u>NUTS</u> <u>Almonds</u> <u>Walnuts</u>	<u>Aphids</u> <u>Mites</u>	3 pts.	Apply every 10 to 15 days to give 3 applications. May be applied 21 days before harvest.
<u>Filberts</u>	<u>Aphids</u>	1 pt.	Apply full coverage. Do not apply within 21 days of harvest.
<u>Pecans</u>	<u>Aphids</u> <u>Mites</u>	1 pt.	Apply full coverage. Do not apply within 21 days of harvest.
<u>VEGETABLES</u> <u>Beans</u>	<u>Aphids</u> <u>Mites</u>	1½ to 2 pts.	Apply complete coverage. Do not apply within 21 days of harvest.
<u>Broccoli</u> <u>Brussel Sprouts</u> <u>Cabbage</u> <u>Cauliflower</u>	<u>Aphids</u>	2 pts.	Apply full coverage. Do not apply within 21 days of harvest.
<u>Celery</u>	<u>Aphids</u>	1 pt.	Apply full coverage. Do not apply within 21 days of harvest.

**Ornamentals**  
**Chrysanthemums**  
**Daffodils**  
**Lilies**  
**Primroses**  
**Shrubs**  
**Trees**

... forms an emulsion and is used in hand and aircraft sprayers. To mix, add 1 part of water and agitate. Only use in windward and protect sprayer from livestock in treated area for 24 hours.

**REMARKS**

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 mowing. Do not use treated alfalfa or clover for direct human consumption.

			from seed crop may be used for feed or forage. Do not cut green crop for these purposes. Do not feed straw or hullings to livestock.
<u>Barley</u> <u>Oats</u> <u>Wheat</u>	<u>Aphids</u>	1 pt.	Apply in sufficient water for complete coverage. Do not pasture or use treated crop for feed, food or forage.
	<u>Mites</u>	1 pt.	
<b>FRUIT</b> <u>Apples</u>	<u>Aphids</u> <u>Mites</u>	¾ to 2 pts.	Apply in 100 gallons of water as a full coverage spray. Do not apply the 2 pt. rate more than once nor the lower rates more than 3 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 populations use the high rate.
	<u>Unspotted tentiform leaf miners</u>	1 pt.	
<u>Apricots</u> <u>Nectarines</u> <u>Peaches</u>	<u>Aphids</u> <u>Mites</u>	1 pt.	Apply in 100 gallons of water as a full coverage spray. Repeat as necessary. Do not apply more than 3 times per season or within 21 days of harvest for pears, or 30 days of harvest for apricots, nectarines and peaches.
	<u>Aphids</u> <u>Mites</u>	¾ pt.	
	<u>Unspotted tentiform leaf miners</u>	1 pt.	
<u>Pears</u>	<u>Unspotted tentiform leaf miners</u>	1 pt.	
<u>Blackberries</u> <u>Dewberries</u> <u>Gonberries</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 gallons of water as a full coverage spray.

<u>Filberts</u>	<u>Aphids</u>	1 pt.	Apply in sufficient water for complete coverage. Do not pasture or use treated crop for feed, food or forage.
<u>Pecans</u>	<u>Aphids</u> <u>Mites</u>	1 pt.	
<b>VEGETABLES</b> <u>Beans</u>	<u>Aphids</u> <u>Mites</u>	1½ to 2 pts.	Apply in sufficient water for complete coverage. Do not apply more than 3 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 populations use the high rate.
<u>Broccoli</u> <u>Brussel Sprouts</u> <u>Cabbage</u> <u>Cauliflower</u>	<u>Aphids</u>	2 pts.	Apply in sufficient water for complete coverage. Do not apply more than 3 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 populations use the high rate.
<u>Celery</u>	<u>Aphids</u> <u>Mites</u>	1 pt.	Apply in sufficient water for complete coverage. Do not apply more than 3 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 populations use the high rate.
<u>Lettuce</u> <u>Peas</u>	<u>Aphids</u> <u>Aphids</u>	1 to 2 pts. 1 pt.	
<u>Eggplant</u>	<u>Aphids</u>	1 to 1½ pts.	Apply in sufficient water for complete coverage. Do not apply more than 3 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 populations use the high rate.
<u>Peppers</u>	<u>Aphids</u>	1½ pts.	Apply in sufficient water for complete coverage. Do not apply more than 3 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 populations use the high rate.
<u>Potatoes</u>	<u>Aphids</u> <u>Leafhoppers</u>	¾ to 2 pts.	Apply in sufficient water for complete coverage. Do not apply more than 3 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 populations use the high rate.



Manufactured For:  
**ACETO CHEMICAL CO., INC.**  
 AGRICULTURAL CHEMICALS DIVISION

126-02 NORTHERN BOULEVARD, FLUSHING, N.Y. 11368

# SECTICIDE

CROP	INSECT	DOSAGE OF DEMOX PER ACRE	REMARKS
<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. Do not apply within 21 days of harvest.
<u>Grapes</u>	<u>Leafhoppers</u> <u>Mites</u>	1½ pts.	Apply in sufficient water for complete coverage. Do not apply within 21 days of harvest.
<u>Strawberries</u>	<u>Aphids</u> <u>Mites (except cyclamen mite)</u>	1½ pts.	
<u>Plums</u> <u>Prunes (fresh)</u>	<u>Aphids</u> <u>Mites</u>	1 to 1½ pts.	Apply in 100 gallons of water as a full coverage spray. Do not apply more than 3 times per season or within 30 days of harvest at the low rate of more than twice per season or within 60 days of harvest at the high rate
<b>NON-BEARING FRUITS</b> <u>Pineapple</u>	<u>Mites</u>	(See Remarks)	For temporary protection of pineapple planting stock, dip stock in emulsion containing 2 pts. of DEMOX per 100 gallons of water. Do not handle treated stock with bare hands.
<b>NUTS</b> <u>Almonds</u> <u>Walnuts</u>	<u>Aphids</u> <u>Mites</u>	3 pts.	Apply just once a season in whatever quantity of water is required to give thorough spray coverage. May be combined with codling moth spray. Do not apply within 21 days of harvest.
<u>Filberts</u>	<u>Aphids</u>	1 pt.	Apply in 100 gallons of water as a full coverage spray. Repeat as necessary. Do not apply within 40 days of harvest for filberts or 21 days of harvest for pecans.
<u>Pecans</u>	<u>Aphids</u> <u>Mites</u>	1 pt.	
<b>VEGETABLES</b> <u>Beans</u>	<u>Aphids</u> <u>Mites</u>	1½ to 2 pts.	Apply in sufficient water for complete coverage. Repeat as necessary. Do not apply within 21 days of harvest.
<u>Broccoli</u> <u>Brussel Sprouts</u> <u>Cabbage</u> <u>Cauliflower</u>	<u>Aphids</u>	2 pts.	Apply. 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>	1 pt.	Apply in 100 gallons of water as a

CROP	INSECT	DOSAGE OF DEMOX PER ACRE	REMARKS
<u>Tomatoes</u>	<u>Aphids</u> <u>Mites</u>	1 to 1½ pts.	Apply in 100 gallons of water as a full coverage spray. Do not apply within 3 days of harvest.
<b>MELONS</b> <u>Musk melons</u>	<u>Aphids</u> <u>Beet leafhopper</u> <u>Mites</u>	1½ pts.	Apply in 100 gallons of water as a full coverage spray. Do not apply within 21 days of harvest.
<b>ORNAMENTALS: FOR USE BY COMMERCIAL APPLICATORS &amp; COMMERCIAL GROWERS ONLY</b>			
<u>Flowers,</u> <u>Shrubs &amp;</u> <u>Trees</u>	<u>Aphids</u> <u>Mealybugs</u> <u>Mites</u> <u>Whiteflies</u>	½ to ¾ pt.	<p><b>FOLIAR SPRAY:</b> Mix specified dosage in 50 gallons of water and spray plants until they are thoroughly wet.</p> <p><b>SOIL DRENCE:</b> Mix specified dosage in 50 gallons of water to form an emulsion (1 pt. DEMOX per 50 gallons is equivalent to 2 teaspoonfuls per gallon of water).</p> <p>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.</p>
	<u>Birch leaf miner</u> <u>Boxwood leaf miner</u> <u>Holly leaf miner</u> <u>Lace bugs</u>	¾ to 1 pt.	
	<u>Camellia scale</u> <u>Rhododendron scale</u> <u>Soft brown scale</u> <u>Tea scale</u>	1 to 2 pts.	
<u>Chrysanthemums</u> <u>Daffodils</u> <u>Lilies</u> <u>Primroses</u>	<u>Foliar Nematodes (Ditylenchus sp.)</u> <u>(Aphelencharides sp.)</u>	1 to 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 teaspoonsfull per gallon of water). For use as a soil drench prepare a DEMOX emulsion as

<u>Filberts</u>	<u>Aphids</u>	1 pt.	Apply in 100 gallons of water as a full coverage spray. Repeat as necessary. Do not apply within 40 days of harvest for filberts or 21 days of harvest for pecans.
<u>Pecans</u>	<u>Aphids</u> <u>Mites</u>	1 pt.	
<b>VEGETABLES</b> <u>Beans</u>	<u>Aphids</u> <u>Mites</u>	1½ to 2 pts.	Apply in sufficient water for complete coverage. Repeat as necessary. Do not apply within 21 days of harvest.
<u>Broccoli</u> <u>Brussel Sprouts</u> <u>Cabbage</u> <u>Cauliflower</u>	<u>Aphids</u>	2 pts.	Apply. 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. Do not apply within 21 days of harvest for lettuce and peas or within 28 days of harvest for celery.
<u>Lettuce</u>	<u>Aphids</u>	1 to 2 pts.	
<u>Peas</u>	<u>Aphids</u>	1 pt.	
<u>Eggplant</u>	<u>Aphids</u>	1 to 1½ pts.	Apply in sufficient water for complete coverage. Do not apply more than twice per season or within 7 days of harvest.
<u>Peppers</u>	<u>Aphids</u>	1½ pts.	Apply in sufficient water for complete coverage. Repeat as necessary. Do not apply within 3 days of harvest.
<u>Potatoes</u>	<u>Aphids</u> <u>Leafhoppers</u>	¾ to 2 pts.	Apply in sufficient water for complete coverage. Repeat as necessary. Do not apply within 21 days of harvest.

			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>Chrysanthe- mums</u> <u>Daffodils</u> <u>Lilies</u> <u>Primroses</u>	<u>Foliar Nematodes</u> ( <u>Ditylenchus</u> sp.) ( <u>Aphelenchoides</u> sp.)	1 to 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 teaspoonsfull 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 area 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 applicaitons may be extended to 2 to 3 weeks at the 2 pt. rate. Do not apply within 5 days of handpicking, pruning, transplanting or other handling. Caution: Phytotoxicity has occurred on Croft lilies. Caution should be exercised when treating these plants.

C.