

3125-111

7-21-1971

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T-749
Ref. 4

Base Pre-Reg. (1404)

U.S. LABEL

Reason to Issue: To specify blackberries
and raspberries in line with PR Notice
71-3.

Date of Draft: 4/1/71 (Pre-Reg.) (L)

Reg. U.S. 3/13/67



META-SYSTOX-R

SPRAY CONCENTRATE

SYSTEMIC INSECTICIDE

ACCEPTED**JUL 21 1971**

UNDER THE FEDERAL INSECTICIDE
FUNGICIDE AND RODENTICIDE ACT
FOR ECONOMIC POISON REGISTERED
UNDER NO. 3125-111 SUBJECT
TO ATTACHED COMMENTS.

FOR EFFECTIVE SYSTEMIC CROP PROTECTION

GUARANTEE: Contains 2.0 lbs.
S-[2-(ethylsulfinyl)ethyl] O,O-dimethyl
phosphorothioate per U.S. gallon.

NET CONTENTS 1 U.S. GALLON

WARNING
KEEP OUT OF REACH OF CHILDREN

(See rear panel for warning
statements)

ACTIVE INGREDIENT:

S-[2-(ethylsulfinyl)
-ethyl] O,O-dimethyl
phosphorothioate / 25%
Aromatic Petroleum Distillate ... 14%

INERT INGREDIENTS: 61%
100%

/U.S. Patent No. 2,791,599
Canadian Patent No. 534,370

USDA Reg. No. 3125-111

WARNING - FLAMMABLE! KEEP AWAY FROM
HEAT AND OPEN FLAME

STOP - READ THE LABEL BEFORE USE

MANUFACTURED BY

CHEMAGRO CORPORATION

KANSAS CITY, MO.

Note: Underlined letters in chemical nomenclature should be italicized when printed,
not underlined.

META-SYSTOX-R SC

DIRECTIONS FOR USE

IMPORTANT: Read these entire Directions and Conditions of Sale, including the Warranty and Limitation of Damages provision, before using META-SYSTOX-R Spray Concentrate.

CONDITIONS OF SALE: These Directions for Use reflect the opinion of experts based on tests of effectiveness, of toxicity to plants and laboratory animals and of residues on or in food and feed under normal conditions of use. However, because of the wide range of conditions under which this product may be used, even though label directions are followed, it is impossible to eliminate all risks associated with its use because of abnormal conditions beyond the control of the seller. Chemagro Corporation and the Seller offer, and the Buyer uses, this product subject to the understanding that the Buyer assumes all such risks.

META-SYSTOX-R, a systemic insecticide, penetrates by absorption and is translocated in the plant. The best time to apply META-SYSTOX-R is early morning or evening, especially when crops such as alfalfa and cotton are in bloom. By observing this practice, beneficial pollinating insects, including honey bees, will not be brought into contact with spray and so are not adversely affected.

MIXING: META-SYSTOX-R Spray Concentrate forms an emulsion when diluted with water and is suitable for use in all power-operated ground sprayers and aircraft sprayers. To mix with water, pour the required amount of META-SYSTOX-R Spray Concentrate into full amount of water and then agitate.

DOSAGE: Use specified dosage of META-SYSTOX-R Spray Concentrate in the amount of water necessary to give complete coverage of foliage but in no case use less than one gallon of water per acre. The type of equipment used will determine the concentration required.

SPRAYING: Work to windward. Protect sprayer operators from drift or mist. When low volumes of spray are applied, complete coverage and thorough application are essential for most effective results. Schedule applications in accordance with local conditions. Consult your State Agricultural Experiment Station or Extension Service for additional use information consistent with label directions and cautions.

RECOMMENDED APPLICATIONS

CROP	INSECT	Pints META-SYSTOX-R SC	REMARKS
<u>FIELD CROPS</u>			
Cotton	Aphids Mites	1 1/2 to 2	Apply specified dosage per acre in sufficient water for complete coverage but not less than one gallon per acre. Do not apply more than 3 times per season nor within 14 days of picking. Do not graze or feed gin trash to dairy or meat animals.
Corn	Aphids Leafhoppers Mites Thrips	1 1/2 to 2	Apply specified dosage per acre in sufficient water for complete coverage but not less than one gallon per acre. Do not apply more than once per season nor within 14 days of harvest of corn or 30 days of harvest of corn fodder.

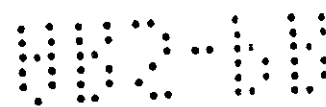
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META-SYSTOX-R SC

RECOMMENDED APPLICATIONS

(Continued)

CROP	INSECT	Pints META-SYSTOX-R SC	REMARKS
<u>FIELD CROPS (Cont'd)</u>			
Sugar Beets	Aphids leafhoppers Mites	1 1/2 to 2	Apply specified dosage per acre in sufficient water for complete coverage but not less than one gallon per acre. Do not apply more than twice per season. Do not harvest beets or use beet tops for feed or forage within 30 days of treatment
<u>SEED FIELD CROPS</u>			
Alfalfa Clover	Aphids Leafhoppers Mites Thrips	1 1/2 to 2	Apply specified dosage per acre in sufficient water for complete coverage but not less than one gallon per acre. Repeat as necessary. Do not pasture or use treated crop for feed, food, or forage.
<u>FRUITS</u>			
Blackberries Raspberries	Aphids Mites	1 to 1 1/2	Apply specified dosage in 100 gallons of water as a full coverage spray.* Do not apply more than once per season nor within 30 days of harvest.
Pears	Aphids Mites	1	Apply specified dosage in 100 gallons of water as a full coverage spray.* Do not apply more than once per season nor within 30 days of harvest.
<u>NON-BEARING FRUITS</u>			
Apples Apricots Cherries Crab Apples Grapes Nectarines Peaches Plums Prunes Quinces	Aphids Mites	1 to 1 1/2	Apply specified dosage in 100 gallons of water as a full coverage spray* on non-bearing trees. Repeat as necessary. Do not apply to trees that will bear fruit within the next 12 months.
Citrus	Aphids Texas citrus mite		
<u>VEGETABLES</u>			
Broccoli	Aphids	1 1/2 to 2	Apply specified dosage per acre in sufficient water for complete coverage but not less than one gallon per acre. Do not apply more than once per season nor within 21 days of harvest.
Brussels Sprouts Cabbage Cauliflower	Aphids	1 1/2 to 2	Apply specified dosage per acre in sufficient water for complete coverage but not less than one gallon per acre. Do not apply more than 3 times per season nor within 24 days of harvest.



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RECOMMENDED APPLICATIONS
(Continued)

CROP	INSECT	Pints META-SYSTOX-R SC	REMARKS
<u>VEGETABLES</u> (Cont'd)			
Cucumbers	Aphids Mites	1 1/2 to 2	Apply specified dosage per acre in sufficient water for complete coverage but not less than one gallon per acre. Do not apply more than twice per season nor within 14 days of harvest.
Potatoes	Aphids Leafhoppers	1 1/2 to 2	Apply specified dosage per acre in sufficient water for complete coverage but not less than one gallon per acre. Repeat as necessary. Do not apply within 7 days of harvest.
Pumpkin Squash (Winter & Summer)	Aphids	1 1/2 to 2	Apply specified dosage per acre in sufficient water for complete coverage but not less than one gallon per acre. Do not apply more than once per season nor within 14 days of harvest.
Turnips	Aphids Mites	1 1/2 to 2	Apply specified dosage per acre in sufficient water for complete coverage but not less than one gallon per acre. Do not apply more than twice per season nor within 14 days of harvest. Do not use turnip tops for food or forage.
<u>MELONS</u>			
Muskmelon (Cantaloupe)	Aphids Mites	1 1/2 to 2	Apply specified dosage per acre in sufficient water for complete coverage but not less than one gallon per acre. Do not apply more than 3 times per season nor within 14 days of harvest.
Watermelons	Aphids Mites	1 1/2 to 2	Apply specified dosage per acre in sufficient water for complete coverage but not less than one gallon per acre. Do not apply more than twice per season nor within 7 days of harvest.
<u>ORNAMENTALS</u>			
<u>FOLIAR SPRAY</u>	Aphids	1 1/2	Apply specified dosage in 100 gallons (1 1/2 teaspoonfuls per gallon) of water as a full coverage spray. Repeat as necessary. Do not handle treated plants until spray deposit has dried. Injury has occurred in greenhouses on chrysanthemum varieties: Hurricane, Iceburg, Whitetop, and Pennant and on Easter lilies. When large plantings of chrysanthemums or Easter lilies are to be sprayed, treat only a few plants and observe for varietal sensitivity before treating the entire planting.
Ornamental Flowers, Shrubs, & Trees	Birch leaf miner Holly leaf miner Leafhoppers Mites Thrips Whiteflies		

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META-SYSTOX-R SC

RECOMMENDED APPLICATIONS
(Continued)

CROP	INSECT	Pints META-SYSTOX-R SC	REMARKS
ORNAMENTALS (Continued)			
SOIL DRENCH			
Chrysanthemum	Aphids Mites Thrips	3/4	<u>Potted plants:</u> Mix specified dosage in 50 gallons (1 1/2 tsp. per gallon) of water to form an emulsion. For potted plants apply 1/2 cup (4 fluid ounces) of the emulsion per 6 to 8 inch pot. Repeat as necessary to maintain insect control.
Dahlia	Mites		
Roses	Aphids		
Cuban laurel	Cuban laurel thrips	1/2	<u>For plants in nursery cans, boxes or other containers:</u> Mix specified dosage in 50 gallons (1 tsp per gallon) of water to form an emulsion. Use 1 quart of emulsion for each 5 gallon of plant container capacity.
		1 1/4	<u>For established trees:</u> (Street trees, trees in parks, etc. where basin method of irrigation is used). Mix specified dosage in 50 gallons (2 1/2 tsp per gallon) of water to form an emulsion. Use 4 gallons of emulsion per inch of trunk diameter. Keep children and pets away from basin until material has soaked into soil. Penetration may be aided by drilling holes in the soil.

*This META-SYSTOX-R dosage is calculated for conventional sprayers. When lower volumes of spray are applied per acre, as with low-pressure low-volume, airplane or mist-type equipment, increase the concentration of META-SYSTOX-R in the spray mixture in order to apply amount of META-SYSTOX-R per acre equivalent to a full coverage spray but in no case use less than one gallon of water per acre.

RESTRICTIONS

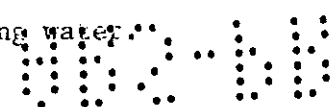
Do not use on other crops used for food or forage. Use only according to label directions. Application at rates above those shown may result in illegal crop residues. Do not treat food crops grown in the greenhouse.

This product is toxic to fish and wildlife. Keep out of streams, lakes, or ponds. Do not apply when weather conditions favor drift of spray from treatment area.

CONTAINER DISPOSAL

DO NOT REUSE THE 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 container by filling with water and adding 2 tablespoonfuls of household lye. Bury rinse solution and container at least 18 inches deep in an isolated area away from water supply. Break empty container and bury deeply in an isolated location.

Do not use container in any connection with feed, food, or drinking water.



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META-SYSTOX-R SC

WARNING

May be fatal if swallowed, inhaled, or absorbed through the skin. Do not get in eyes, on skin, or on clothing. Do not breathe spray mist. Wash thoroughly with soap and warm water after handling. Wash clothing with soap and hot water before reuse.

Avoid contamination of feed or food. Keep out of reach of children.

If poisoning occurs, obtain prompt medical aid.

Note to Physician: Atropine sulfate is antidotal. 2-PAM is also antidotal and may be administered in conjunction with atropine.

WARRANTY AND LIMITATION OF DAMAGES

Chemagro Corporation warrants that this material conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the Directions for Use and Conditions of Sale; subject to the risks referred to therein. CHEMAGRO CORPORATION MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY, INCLUDING ANY OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR OF MERCHANTABILITY, and no agent of Chemagro Corporation is authorized to do so except in writing, with a specific reference to this warranty. Any damages arising from a breach of this Warranty shall be limited to direct damages, and shall not include consequential commercial damages such as loss of profits or values, etc.

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