

CAUTION:

Keep out of reach of children. May be harmful if swallowed. Avoid contact with skin. Avoid breathing spray mist. Avoid contamination of feed, seed and foodstuffs.

This product is toxic to fish. 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 reuse empty container. Destroy by perforating and crushing. Do not discard in a place accessible to water supply. Return fragments to original container for destruction.

GENERAL INFORMATION

Methoxychlor 3 E.C. Insecticide contains 3 lbs. technical methoxychlor per gallon. On mixing with water, it forms a stable emulsion for the control of various insects. It is suitable for use either high or low volume application equipment.

When applying Methoxychlor 3 E.C. Insecticide, use sufficient spray volume to thoroughly cover all surfaces to be treated.

Do not use this product with any spray material which is not compatible with it. Do not apply within 14 days of sulfur or sulfur containing products.

CAUTION: This product is toxic to bees and should not be applied when bees are actively visiting the area being treated.

DIRECTIONS FOR USE

RANGE CROPS: Alfalfa, clover, grass, soybean, cowpea and peanut forage. Apply the following rates of Methoxychlor 3 E.C. Insecticide in 15 to 30 gallons of water per acre. Apply every 7 to 14 days, or as needed. Do not apply during blooming. Do not apply later than 7 days before harvesting or grazing.

Leafhopper, spittlebug	1 1/2 to 2 1/2 pts. per acre
Ants, termites, flea beetle	2 to 2 1/2 pts. per acre
Armyworm, grasshopper, alfalfa weevil, Mexican bean beetle, leaf weevil, green caterpillar, cutworm	2 to 4 pt. per acre
Colorado potato beetle	4 pts. per acre
Asparagus	4 to 5 pts. per acre

For control of the alfalfa weevil, apply 2 1/2 to 3 pts. Methoxychlor 3 E.C. Insecticide in 25 gallons of water per acre. For control of the Mexican bean beetle, apply 2 to 4 pts. per acre.

VEGETABLES: For control of flea hoppers, apply 2 1/2 to 5 pts. Methoxychlor 3 E.C. Insecticide in 25 gallons of water per acre. Thoroughly spray upper and lower leaf surfaces as well as the fruit. Begin treatment at first sign of insect infestation. Do not apply later than 7 days before harvest. Reapply as warranted.

CROP	INSECTS	INTERVAL TO HARVEST
Alfalfa	Flea beetle, blister beetle, Colorado potato beetle, leafhopper	1 day
Asparagus	Armyworm, cutworm	3 days if application is made by water, 7 days if applied dry
Black-eyed peas	Colorado potato beetle, Mexican bean beetle, flea beetle, leafhopper, rose chafers	1 day
Black-eyed peas	Cowpea curculio	3 days

CROP	INSECTS	INTERVAL TO HARVEST
Cantaloupes	Cucumber beetle, melon worm	1 day
Cauliflower	Imported cabbage worm, flea beetle, cabbage root fly, flea beetle	1 day
Cucumbers	Cucumber beetle	1 day
Eggplant	Flea beetle, leafhopper	1 day
Kellett	Flea beetle	1 day
Melons	Cucumber beetle, melon worm	1 day
Peas	Flea beetle	1 day
Peppers	Flea beetle, leafhopper, rose chafers	1 day
Pumpkins	Cucumber beetle, squash vineborer	1 day
Radishes	Flea beetle	1 day
Rotabaga	Flea beetle	1 day
Squash	Cucumber beetle, squash vineborer	1 day
Tomatoes	Blister beetle, Colorado potato beetle, flea beetle, leafhopper, fall armyworm, fruit fly, fruitworm, Japanese beetle, potato hornworm	1 day
Watermelon	Fall armyworm, flea beetle, Japanese beetle, rose chafers	1 day
Watermelon	Cucumber worm, apply to leaves as soon as they appear. Make 3 to 4 applications at 2 to 3 day intervals as fast as warranted. Reapply immediately after a heavy rain.	1 day
Watermelon	Imported cabbage worm, flea beetle, Colorado potato beetle	1 day
Watermelon	Imported cabbage worm, flea beetle, Colorado potato beetle, flea beetle	1 day
Watermelon	Cucumber worm	1 day
Watermelon	Cucumber worm	1 day
Watermelon	Cucumber worm	1 day

LIVESTOCK: Beef and Dairy Cattle, Goats, Sheep and Swine Apply the following rates of Methoxychlor 3 E.C. Insecticide to the animal's body, legs, feet, neck and head.

Beef Cattle: Mix 2 1/2 to 2 3/4 pts. of water. Apply spray to all parts of the neck, head, and legs. Do not apply to the face. Do not apply to the body. Do not apply to the face.

Spot Treatment for Tail Lice: Mix 5 to 8 pts. in 25 gallons of water. Apply a spray to the tail for 10 to 15 days. Do not apply to animals being finished for slaughter. Do not contaminate feed or water.

Dairy Cattle (Non Lactating): Mix 2 1/2 pts. in 25 gallons of water. As a spray, use 2 1/2 pts. of the mixture per head for range animals and proportionately for smaller ones. Thoroughly wet animal. Do not use on and do not apply during lactation or within 2 weeks of freshening.

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ACTIVE INGREDIENTS:

Methoxychlor 3 E.C.

INERT INGREDIENTS:

CAUTION:

Mexican bean beetle, pea weevil, soybean caterpillar, velvet bean caterpillar	
Crowpea curculionid, Japanese beetle	4 pts. per acre
Armyworm	4 to 5 pts. per acre

Apply 2 1/2 to 4 pts. of this material per acre at intervals of 7 to 10 days. For alfalfa weevils, apply 2 1/2 to 4 pts. of this material per acre at intervals of 7 to 10 days. Active ingredient per acre.

VEGETABLES: For control of the following insects, apply 2 1/2 to 5 1/2 pints Methoxychlor 3 EC Insecticide in 25 gallons of water per acre. Thoroughly spray upper and lower surfaces of leaves as well as the fruit. Begin treatment at first sign of insect infestation and repeat at 7 to 10 day intervals as infestation warrants.

CROP	INSECTS	INTERVAL TO HARVEST
Potatoes	Colorado potato beetle, leafhopper	7 days
Asparagus	Asparagus beetle	3 days if applied later, remove residues by washing or blanching spears
Beans	Bear leaf beetle, cutworm, Japanese beetle, leafhopper, rose chafar, Mexican bean beetle	3 days
Broccoli, Cabbage	Crowpea curculionid, imported cabbage worm, cross striped cabbage worm, flea beetle	3 days
Wheat	Barn swain, earwig, grasshopper	7 days, 14 days if 4 pts. per acre is used on the field

	at 2 to 3 day intervals as infestation warrants. Re-apply immediately after a rain.	
Broccoli	Imported cabbage worm, cross striped cabbage worm, flea beetle	14 days
Broccoli, Cabbage	Imported cabbage worm, cross striped cabbage worm, flea beetle	
Cabbage	Flea beetle	
Broccoli	Flea beetle	
Cabbage	Flea beetle	

LIVESTOCK: Beef and Dairy Cattle, Goats, Sheep and Swine - Apply the following rates of Methoxychlor 3 EC Insecticide for the control of hornflies, lice, ticks, keds and fleas.

Beef Cattle - Mix 2 1/2 pts. in 25 gallons of water. As a spray use 2 1/2 pts. of the mixture per head for larger animals and proportionally less for smaller ones. Thoroughly wet animals. Do not use in dipping vats.

Spot Treatment for Tail Lice - Mix 5 to 8 pts. in 25 gallons of water and apply as a spray on the infested tail only. Do not apply to animals being finished for slaughter. Do not contaminate feed or water.

Dairy Cattle (Non-Lactating) - Mix 2 1/2 pts. in 25 gallons of water. As a spray use 2 1/2 pts. of the mixture per head for larger animals and proportionally less for smaller ones. Thoroughly wet animals. Do not use as a dip. Do not apply during lactation or within 2 weeks of freshening.

Goats, Sheep and Swine - Mix 2 1/2 pts. in 25 gallons of water. As a spray thoroughly wet animals. Do not apply to lactating goats.

AGRICULTURAL PREMISES: Insects requiring control measures: houseflies, stableflies, cadellies, confused flour beetle, flat headed grain beetle, granary weevil, hairy fungus beetle, lesser grainborer, long headed flour beetle, red flour beetle, rice weevil, sawtoothed grain beetle and grain mths. Apply the following rates as specified for various areas.

DO NOT USE FOR...
This product contains...

ACTIVE INGREDIENTS:

Methoxychlor, technical xylene

INERT INGREDIENTS:

Equivalent to 30% 2,2-dichloro-1,1-difluoroethane and related compounds

CAUTION: See label for full instructions.

MADE IN U.S.A.
HELENA CHEMICAL COMPANY
MEMPHIS, TENN.



METHOXYCHLOR 3 E. C. Insecticide

FOR CONTROL OF VARIOUS INSECTS ON LIVESTOCKS
ORANGE CROPS AGRICULTURAL PREMISES FARM BUILDINGS
GRAIN STORAGE BINS ORNAMENTALS AND SHADE TREES

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

This product contains 3 lbs. technical Methoxychlor per gallon

INGREDIENTS:

Active ingredient

25.00%
62.50%
12.50%

INERTS:

TOTAL

100%

30.87% 2,2-bis(p-methoxyphenyl)propane methane 4.27% Other inert components

KEEP OUT OF REACH OF CHILDREN
WARNING: SEE SIDE PANEL FOR ADDITIONAL CAUTION STATEMENTS

Farm Buildings (Barns, Milk Rooms, Pens, Stalls, Alleys and Dumps): Mix 1 1/2 pt. Methoxychlor 3 E.C. Insecticide in 2 1/2 gallons of water. Use as a residual spray applying 1 gallon of the prepared spray to 500 sq. ft. Repeat applications are required for effective control. Exclude dairy animals while treating barns. Do not contaminate milk, feed or drinking water.

Grain Storage Bins: Mix 1 1/2 pt. Methoxychlor 3 E.C. Insecticide in 2 1/2 gallons of water. Apply 1 gallon of mixture to 500 sq. ft. Apply as a residual spray to all exposed surfaces, paying attention to all cracks and crevices. Allow bins to air and dry before refilling with grain 2 to 4 weeks.

Elevator Tunnels, Gallery Floors, Head Houses: Mix 1 1/2 pt. Methoxychlor 3 E.C. Insecticide in 2 1/2 gallons of water. Apply 1 gallon of mixture to 500 sq. ft. Clean area thoroughly before spraying. Treat about 3 times per season, summer.

MOSQUITO CONTROL: Methoxychlor 3 E.C. Insecticide is effective for controlling both adult and larval mosquitoes on agricultural lands such as parks, beaches, public dumps and residential areas.

Adult Mosquitoes - Thermal fogging is effective if applied during the active periods of the adults, morning and evening. Avoid fogging when winds exceed 5 miles per hour as its effectiveness is reduced.

For fogging large areas, prepare a 100 gallon batch of spray material. Mix 2 1/2 gallons of Methoxychlor 3 E.C. Insecticide in 97 1/2 gallons of light fuel oil, No. 2 diesel, kerosene, etc., and apply 5 to 7 gallons per acre.

For fogging smaller areas, mix 1/2 pint of Methoxychlor 3 E.C. Insecticide in 4.78 gallons of light fuel oil, 5 gallons per acre.

Adult Mosquitoes - Mist blowers or sprayer equipment require mixing of the Methoxychlor 3 E.C. Insecticide with water. For mist blowers or sprayers mix 2 1/2 gallons of Methoxychlor 3 E.C. Insecticide with 97 1/2 gals. of water and apply 5 to 7 gallons per acre.

For spraying smaller areas, mix 1/2 pint of Methoxychlor 3 E.C. Insecticide in 4.78 gallons of water, 5 gallon batch, and apply 5 gallons per acre.

For aerial application over large land masses at low volume, mix 2.2 1/2 pt. of Methoxychlor 3 E.C. Insecticide in 15 gallons of light fuel oil and apply approximately 4 gallons per acre.

For mosquito larval control: Mix 1/2 pint of Methoxychlor 3 E.C. Insecticide in 10 pt. fuel oil or water to make 10 gallons of spray. Apply to 1 acre of marshland, swamps or low lying areas. Thorough, even coverage is essential for effective control. Repeat application as infestation warrants. Apply only to known mosquito breeding sites.

NOTE: This product is toxic to fish. Keep out of lakes, streams and ponds. Rates recommended on this label are toxic to shrimp and crabs. Do not apply where these species are an important resource. Do not apply to water drainage areas where runoff is likely to contaminate ponds.

FOREST AND SHADE TREES: For control of the following insects use 1/2 pt. Methoxychlor 3 E.C. Insecticide with a mist blower at rates recommended in the following table.

Mix 2 1/2 pts. Methoxychlor 3 E.C. Insecticide per 3 gallons of water for mist blower application or 1 1/2 to 2 1/2 pt. of Methoxychlor 3 E.C. Insecticide per 10 gallons of water for conventional sprayer.

PINTS 6 SOLUTION PER TREE TREE HEIGHT

INSECTS	PINTS 6 SOLUTION PER TREE TREE HEIGHT				Gallons 6 ¹ Solution Per Acre
	41-50	50-65	65-80	80-120	
Apple tree					
Banana tree					
Blue oak					
Box elder					
Box elder					
Box elder					
Box elder					
Box elder					
Box elder					
Box elder					

Control of Elm Bark Beetle (Vectors of Dutch Elm Disease) Apply first application before elm flowers or leaves sprout using a 12% spray solution of Methoxychlor 3 E.C. Insecticide with a mist blower or a 2% spray solution in a conventional sprayer. This application will usually be applied in March in the Southern States and in April in the Northern States. Use 2 to 3 gallons of spray solution wetting all surfaces thoroughly.

Second application should be made 2 1/2 to 3 months after the first treatment. Reduce the active ingredients to 6% for mist blower and 1% for conventional sprayer. Cover all leaf and bark surfaces.

Control of Elm Leafhopper (Vectors of Elm Phloem Necrosis) Apply first application when elm leaves are fully grown. Use a 6% spray solution of Methoxychlor 3 E.C. Insecticide with a mist blower or a 1% spray solution in a conventional sprayer. This application will be made in May in Southern States and in June in the Northern States. Thoroughly cover all leaf surfaces.

When second flush of growth appears, usually 1 to 2 months after first treatment, repeat the above application covering all leaf surfaces thoroughly.

In those states where both elm leafhopper and elm leaf beetle are known to be present a three spray schedule will provide effective control. Apply protective spray before elm flowers or leaves sprout, follow with second protective spray 2 1/2 to 3 months after the first. Then apply the third protective spray about 1 to 3 months after the second protective spray. Be sure to thoroughly cover all bark and foliar surfaces with each protective spray.

Preparation of Spray Solutions - 12% spray - dilute 1 part Methoxychlor 3 E.C. Insecticide with 2 parts water. 6% spray - dilute 1 part Methoxychlor 3 E.C. Insecticide with 5 parts water. 2% spray - dilute 1 part Methoxychlor 3 E.C. with 15 parts water. 1% spray - dilute 1 part Methoxychlor 3 E.C. Insecticide with 30 parts water.

WARRANTY AND LIMITATION OF DAMAGES. Helena Chemical Company 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 inherent risks referred to therein. Helena Chemical Company makes no other express or implied warranty, including any other express or implied warranty of **FITNESS** or of **MERCHANTABILITY**, and no agent of Helena Chemical Company 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 or commercial damages, such as loss of profits or value, etc.

Technical
 35.0%
 62.0%
 3.0%
 TOTAL 100.0%
 % 2,2-bis(p-methyl-xyphenyl)-1,1,1-trichloroethane 4.2% other compounds

FOREST AND SHADE TREES: For control of the following insects, use a 6% methoxychlor solution with a mist blower at rates recommended in the following table:
 Mix 2 1/2 qts. Methoxychlor 3 E.C. Insecticide per 3 gallons of water for mist blower solution or 1 1/2 to 2 1/2 pt. of Methoxychlor 3 E.C. Insecticide per 100 gallons of water for conventional sprayer.

PINTS 6 SOLUTION PER TREE
 TREE HEIGHT

INSECTS	PINTS 6 SOLUTION PER TREE				Gallons 6% Solution Per Acre
	31-50	50-65	65-80	80-120	
Eastern tent caterpillar	1	1	1	1	1
Emerald ash borer	1	1	1	1	1
Forest tent caterpillar	1	1	1	1	1
Gypsy moth	1	1	1	1	1
Japanese beetle	1	1	1	1	1
Loose Bark Scale	1	1	1	1	1
May beetle	1	1	1	1	1
White Pine Sawfly	1	1	1	1	1

KEEP OUT OF REACH OF CHILDREN
SEE SIDE PANEL FOR ADDITIONAL CAUTION STATEMENTS

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CHEMICAL COMPANY
 MEMPHIS, TENNESSEE

NET CONTENTS:

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