

WARNING

Keep out of reach of children. Hazardous if swallowed, inhaled or absorbed through the skin. Do not get in eyes, skin or clothing. Do not breathe vapor or spray mist. Wash thoroughly with soap and water after handling and before eating and smoking; wear clean clothing after use. Wear clean synthetic rubber gloves and a mask and respirator of a type passed by the U. S. Bureau of Mines for endosulfan protection during mixing, spraying and loading operations. Do not apply or allow to drift to areas occupied by unprotected humans or beneficial animals. Workers entering treated fields within 24 hours of application should wear protective clothing.

This product is toxic to fish and wildlife. Birds feeding on treated area may be killed. Keep out of any body of water. Do not contaminate domestic or irrigation water by cleaning of equipment or disposal of wastes. Do not apply when weather conditions favor drift from area treated.

This product is toxic to bees. Do not apply when bees are actively visiting the treatment area.

DO NOT USE OR STORE NEAR HEAT OR OPEN FLAME.

DO NOT STORE AT TEMPERATURES BELOW 20°F.

ANTIDOTE

EXTERNAL—In case of contact, immediately remove contaminated clothing and flush skin or eyes with plenty of water; for eyes get medical attention.

INTERNAL—If swallowed. Give a tablespoon 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: This product contains endosulfan which is a central nervous system stimulant and may cause convulsions. There is no specific antidote. Barbituric acid derivatives may be used in treatment.

CONTAINER DISPOSAL

Do not reuse empty container. Rinse equipment and container and dispose of wastes by burying in noncropland away from water supplies. Dispose of container by perforating and crushing and burying with wastes.

NOTICE

Because Velsicol Chemical Corporation has no control over storage, handling, and conditions of use, which are of critical importance, Velsicol Chemical Corporation makes no representation or warranty, either express or implied, for results or residues greater than any tolerance which may be established by appropriate governmental agencies, due to misuse, improper handling or storage of this material. Nor does Velsicol Chemical Corporation assume any responsibility for injury to persons, crops, animals, soil or property arising out of misuse, improper handling or storage of this material.

70115-130AB

VELSICOL® TIOVEL

EMULSIFIABLE CONCENTRATE
INSECTICIDE

WARNING

KEEP OUT OF THE REACH
OF CHILDREN

See Side Panel for Additional
Precautionary Statements

Crop
Apples
Celery
Cherries
Cole Crops Broccoli Brussels sprouts Cabbage Cauliflower
Lettuce (Head)
Peaches Apricots Nectarines

WARNING

Keep out of reach of children. Treatments of this type are not intended for use on the skin. Do not get in eyes, skin or clothing. If it gets in the eyes, flush with plenty of water. Wash thoroughly with soap and water after handling and before eating and drinking. Wash hands thoroughly after use. Wear clean synthetic rubber gloves and a mask of the type required by the U. S. Bureau of Mines for use to afford protection during mixing, spraying and loading operation. Do not apply or allow to drift to areas occupied by unprotected humans or beneficial animals. Workers entering treated fields within 24 hours of application should wear protective clothing.

This product is toxic to fish and wildlife. Birds feeding on treated area may be killed. Keep out of any body of water. Do not contaminate domestic or irrigation water by cleaning of equipment or disposal of wastes. Do not apply when weather conditions favor drift from area treated.

This product is toxic to bees. Do not apply when bees are actively visiting the treatment area.

DO NOT USE OR STORE NEAR HEAT OR OPEN FLAME

DO NOT STORE AT TEMPERATURES BELOW 20°F

ANTIDOTE

EXTERNAL - In case of contact, immediately remove contaminated clothing and flush skin or eyes with plenty of water. For eyes, get medical attention.

INTERNAL - If swallowed, give a table spoon 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 - This product contains endosulfan which is a central nervous system stimulant and may cause convulsions. There is no specific antidote. Barbiturate and diazepam may be used in treatment.

CONTAINER DISPOSAL

Do not reuse empty container. Rinse equipment and container and dispose of wastes by burying in a deep pit away from water supplies. Dispose of container by perforating and crushing and burying with wastes.

NOTICE

Because Vescon Chemical Corporation has a continuous research and development program, which are of an experimental nature, Vescon Chemical Corporation makes no representation or warranty, either express or implied, for results or residues greater than any tolerance which may be established by appropriate governmental agencies, due to misuse, improper handling or storage of this material. Nor does Vescon Chemical Corporation assume any responsibility for injury to persons, crops, animals, and/or property arising out of misuse, improper handling or storage of this material.

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Crop	Application Rate
Cole Crops	1/2 to 1 qt. per acre
Broccoli	1/2 to 1 qt. per acre
Brussels Sprouts	1/2 to 1 qt. per acre
Cauliflower	1/2 to 1 qt. per acre
Headed Kale	1/2 to 1 qt. per acre
Leafy Greens	1/2 to 1 qt. per acre
Spinach	1/2 to 1 qt. per acre
Swiss Chard	1/2 to 1 qt. per acre
Turnip Greens	1/2 to 1 qt. per acre
Winter Greens	1/2 to 1 qt. per acre

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DIRECTIONS FOR USE

Make application when insects first appear and repeat applications as necessary. (Do not exceed the maximum number of applications listed in the limitations section.) For ground application use a minimum of 20 gallons of water per acre. For aerial application use sufficient water to make 1 gallon of finished spray per acre to be treated.

Crop	Insect	Rate of Tiovel per Acre	Limitations	Crop	Insect	Rate of Tiovel per Acre	Limitations
Apples	Apple aphid Rosy apple aphid	1 quart (½ lb. endosulfan) to 100 gallons of water or 4 to 5 quarts (2 to 2½ lb. endosulfan) per acre	Do not feed pomace from treated apples to livestock. For 3 applications or less during the fruiting period, do not make application within 21 days of harvest. When making more than 3 applications during the fruiting period, do not make application within 30 days of harvest.	Peaches Apricots Nectarines	Peach tree borer	Western Areas: 1 quart (½ lb. endosulfan) to 100 gallons of water Other Areas: 1½ quarts (¾ lb. endosulfan) to 100 gallons of water	Spray all bark areas from ground level to scaffold limbs as necessary. Do not apply within 21 days of harvest.
	Apple aphid Woolly apple aphid	½ to 2 pints to 100 gallons of water (¼ to ½ lb. endosulfan)	Do not make more than 2 applications during the fruiting period. Do not apply within 30 days of harvest. Do not feed pomace from treated apples to livestock.		Peaches	Black cherry aphid Black peach aphid Rusty plum aphid	1 quart (½ lb. endosulfan) to 100 gallons of water or 4 to 5 quarts (2 to 2½ lbs. endosulfan) per acre
Celery	Green peach aphid	1 quart (½ lb. endosulfan)	Do not apply within 7 days of harvest.	Potatoes	Aphids Colorado potato beetle Flea beetle Green stink bug Leaf-footed plant bug Leafhopper Potato tubeworm Southern armyworm Whitefly	1 to 2 quarts (½ to 1 lb. endosulfan)	Apply as needed up to harvest. Do not plant root crops other than carrots, potatoes or sweet potatoes as follow up crops.
	Cabbage looper Green peach aphid	1 to 2 quarts (½ to 1 lb. endosulfan)	Do not make more than 3 applications per season. Do not apply within 4 days of harvest.		European corn borer Potato psyllid	1½ to 2 quarts (¾ to 1 lb. endosulfan)	
Cherries	Black cherry aphid Plum nursery mite	1 quart (½ lb. endosulfan) to 100 gallons of water or 4 to 5 quarts (2 to 2½ lb. endosulfan) per acre	Do not apply more than twice after shuck split Do not apply within 21 days of harvest.		False chinch bug	2 quarts (1 lb. endosulfan)	
	Mineola moth (Michigan only)	2 quarts (1 lb. endosulfan)	Apply during delayed dormant period.		Three-lined potato beetle	1 quart (½ lb. endosulfan)	
	Eye spotted bud moth Fruit tree leaf roller (Pacific Northwest only)	1 gallon (2 lb. endosulfan)	For bud moth apply during "popcorn" stage of growth. For leaf roller apply during pre-pink stage of growth.		Tobacco	Budworm Cabbage looper Flea beetle Green peach aphid Hornworm	Seed Bed 1 quart (½ lb. endosulfan) to 100 gallons of water Field 1 to 2 quarts (½ to 1 lb. endosulfan)
Cole Crops Broccoli Brussels sprouts Cabbage Cauliflower	Cabbage aphid Cabbage looper Cross-striped cabbageworm Diamond-back moth larvae Flea beetle Harlequin bug Imported cabbageworm Stinkbug	1½ to 2 quarts (¾ to 1 lb. endosulfan)	On cabbage or broccoli, do not apply within 7 days of harvest. On Brussels sprouts or cauliflower, do not apply within 14 days of harvest.		Green June bug larvae	1 pint (¼ lb. endosulfan) to 100 gallons of water	Apply as a drench at first sign of larval activity using 1 gallon of mixture per square yard of plant bed
	Lettuce (Head)	Cabbage looper Diamond-back moth larvae Green peach aphid Imported cabbageworm	1½ to 2 quarts (¾ to 1 lb. endosulfan)	Do not make more than 3 applications after thinning. Do not apply within 14 days of harvest. Remove wrapper leaves at harvest. Do not feed crop refuse to livestock	Stink bugs	2 to 3 quarts (1 to 1½ lb. endosulfan) to 100 gallons of water	Do not apply within 5 days of harvest.
		Peaches Apricots Nectarines	Cat-facing insects Green peach aphid Peach twig borer	1 quart (½ lb. endosulfan) to 100 gallons of water or 4 to 5 quarts (2 to 2½ lb. endosulfan) per acre	Do not make more than 2 applications during the fruiting season. Do not apply within 30 days of harvest.	Tomatoes	Aphids Blister beetle Colorado potato beetle Flea beetle Whitefly
Lesser peach tree borer	1½ quarts (¾ lb. endosulfan) to 100 gallons of water		Wet trunks and main branches thoroughly. Do not make more than 2 applications during the fruiting season. Do not apply within 30 days of harvest.	Stinkbugs		1½ to 2 quarts (¾ to 1 lb. endosulfan)	
Peach silver mite	1 pint (¼ lb. endosulfan) to 100 gallons of water or 4 to 5 quarts (2 to 2½ lb. endosulfan) per acre		Do not make more than 2 applications during the fruiting season. Do not apply within 30 days of harvest.	Tomatoes (Field and greenhouse)	Cabbage looper Hornworm Tomato russet mite Tomato fruitworm Yellow-striped armyworm	1½ quarts (¾ lb. endosulfan) 1 to 2 quarts (½ to 1 lb. endosulfan) 2 quarts (1 lb. endosulfan) 2 quarts (1 lb. endosulfan)	Do not apply within 1 day of harvest. Apply when insects first appear and repeat as required. Do not apply within 1 day of harvest.
Walnuts	Walnut aphid	3 to 4 quarts (1¾ to 2 lb. endosulfan)	Do not apply after husk split. Do not graze livestock in treated groves.				