

**USDA Approved Regulatory Treatments for Gypsy Moth for 2021**  
(Christmas Trees)

A regulatory treatment is a mandatory pesticide application required by the USDA and MDARD to assure proper control of gypsy moth in what the USDA refers to as "hazardous sites". These are defined as sites where gypsy moth is present on the premises and/or in the surrounding area. The USDA Gypsy Moth Manual includes Christmas tree plantations and nurseries in the hazardous site list. The purpose of this required treatment is to prevent the spread of gypsy moth to non-infested areas. The USDA has approved the following insecticides as acceptable regulatory treatments for use on Christmas trees. Use of an insecticide not on the following list for regulatory treatment of a hazardous site will result in denial of certification.

<b>Product</b>	<b>Active Ingredient</b>	<b>EPA Reg. No.</b>	<b>Company</b>	<b>Comments</b>
Agrisolutions Yuma 4E	Chlorpyrifos	62719-220-1381	Winfield Solutions	
Baythroid XL	Cyfluthrin	264-840 SLN No. MI-06003	Bayer CropScience	Must have copy of SLN label. <b>SLN expires 6/15/21.</b>
Carbaryl 4L Insecticide	Carbaryl	34704-447	Loveland Products	
Dimilin 25 W	Diflubenzuron	400-465	Macdermid Agricultural Solutions Incorporated	
Drexel Carbaryl 4L	Carbaryl	19713-49	Drexel Chemical Company	
Dursban 50W WSP	Chlorpyrifos	62719-72	Dow AgroSciences	
Imidan 70 W	Phosmet	10163-169	Gowan Company	
Lesco Sevin Brand SL Carbaryl Insecticide #082007	Carbaryl	432-1227-10404	Lesco Incorporated	
Lorsban 4E	Chlorpyrifos	62719-220	Dow AgroSciences	
Orthene Turf, Tree & Ornamental Spray WSP	Acephate	5481-8971	Amvac	
Orthene Turf, Tree & Ornamental Spray 97	Acephate	5481-8978	Amvac	
Sevin 4F	Carbaryl	61842-38	Tessenderlo Kerley	
Sevin SL Carbaryl Insecticide	Carbaryl	432-1227	Bayer Environmental Science	
Sevin XLR Plus	Carbaryl	61842-37	Tessenderlo Kerley	
Spintor 2SC	Spinosad	62719-294	Dow AgroSciences	
Warhawk	Chlorpyrifos	34704-857	Loveland Products	
Whirlwind	Chlorpyrifos	62719-220-5905	Helena Chemical Company	

Michigan and Federal laws require that pesticides must be used in accordance with label directions.

**USDA Approved Regulatory Treatments for Gypsy Moth for 2021**  
(Nursery Use Only)

A regulatory treatment is a mandatory pesticide application required by the USDA and MDARD to assure proper control of gypsy moth in what the USDA refers to as "hazardous sites". These are defined as sites where gypsy moth is present on the premises and/or in the surrounding area. The USDA Gypsy Moth Manual includes Christmas tree plantations and nurseries in the hazardous site list. The purpose of this required treatment is to prevent the spread of gypsy moth to non-infested areas. The USDA has approved the following insecticides as acceptable regulatory treatments for use on nursery stock. Use of an insecticide not on the following list for regulatory treatment of a hazardous site will result in denial of certification. Conifers sold as live nursery stock may have additional certification requirements gypsy moth, Japanese beetle, weeds and/or pine shoot beetle.

<b>Product</b>	<b>Active Ingredient</b>	<b>EPA Reg. No.</b>	<b>Company</b>	<b>Comments</b>
Agrisolutions Yuma 4E	Chlorpyrifos	62719-220-1381	Winfield Solutions	Christmas tree nurseries only.
Baythroid XL	Cyfluthrin	264-840 SLN No. MI-06003	Bayer CropScience	Must have copy of SLN label. <b>SLN Expires 6/15/21.</b>
Carbaryl 4L Insecticide	Carbaryl	34704-447	Loveland Products	
Conserve SC	Spinosad	62719-291	Dow AgroSciences	
Decathlon 20 WP Greenhouse & Nursery Insecticide	Cyfluthrin	432-1402-59807	OHP Incorporated	<b>Discontinued in 2020</b>
Dimilin 25 W	Diflubenzuron	400-465	Macdermid Agricultural Solutions Incorporated	
Dursban 50W WSP	Chlorpyrifos	62719-72	Dow AgroSciences	
Imidan 70 W	Phosmet	10163-169	Gowan Company	
Lorsban 4E	Chlorpyrifos	62719-220	Dow AgroSciences	Christmas tree nurseries only.
Mimic 2LV Insecticide	Tebufenozide	8033-113-73049	Valent Biosciences Corporation	
Orthene Turf, Tree & Ornamental Spray WSP	Acephate	5481-8971	Amvac	
Orthene Turf, Tree & Ornamental Spray 97	Acephate	5481-8978	Amvac	
Sevin 4F	Carbaryl	61842-38	Tessenderlo Kerley	
Sevin SL Carbaryl Insecticide	Carbaryl	432-1227	Bayer Environmental Science	
Sevin XLR Plus	Carbaryl	61842-37	Tessenderlo Kerley	
Spintor 2SC	Spinosad	62719-294	Dow AgroSciences	
Warhawk	Chlorpyrifos	34704-857	Loveland Products	Christmas tree nurseries only.
Whirlwind	Chlorpyrifos	62719-220-5905	Helena Chemical Company	Christmas tree nurseries only.

Michigan and Federal laws require that pesticides be used in accordance with label directions.