

USDA Approved Regulatory Treatments for Gypsy Moth for 2011
(Christmas Trees)

A regulatory treatment is a mandatory pesticide application required by the USDA and MDA 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 will result in denial of certification.

Baythroid XL (cyfluthrin) - EPA Reg. No. 264-840, EPA SLN. No. MI-060003 Bayer CropScience LP, PO Box 12014, 2 T.W. Alexander Dr. Research Triangle Park, NC 27709 866-992-2937 You must have a copy of the SLN label to use this product on Christmas trees.

Dimilin 25 W (diflubenzuron) - EPA Reg. No. 400-465;

Dimilin 4L (diflubenzuron) - EPA Reg. No. 400-474 Chemtura Corp., 199 Benson Rd., Middlebury, CT 06749
Phone: (203) 573-2449

Imidan 70W (phosmet) - EPA Reg. No. 10163-169 Gowan Company, PO Box 5569 Yuma, AZ 85366-5569

Dursban 50W WSP (chlorpyrifos) - EPA Reg. No. 62719-72 Dow AgroSciences LLC, 9330 Zionsville Rd., Indianapolis, IN 46268 Phone: (800) 892-6740

Lorsban 4E (chlorpyrifos) - EPA Reg. No. 62719-220 Dow AgroSciences LLC, 9330 Zionsville Rd., Indianapolis, IN 46268 Phone: (800) 892-6740

Warhawk (chlorpyrifos) - EPA Reg. No. 34704-857 Loveland Products, Inc., P.O. Box 1286 Greeley, CO 80632-1286

Whirlwind (chlorpyrifos) - EPA Reg. No. 62719-220-5905 Helena Chemical Co., 225 Schilling Blvd. Collierville, TN 38017 (901) 761-0050

Agrisolutions Yuma 4E (chlorpyrifos) - EPA Reg. No. 62719-220-1381 Winfield Solutions LLC, PO Box 64589, St Paul, MN, 55164-0589 Phone: (651) 490-4258

Mimic 2LV (tebufenozide) - EPA Reg. No. 62719-439 Dow AgroSciences LLC, 9330 Zionsville Rd., Indianapolis, IN 46268 Phone: (800) 892-6740

Sevin 80 Solupak (carbaryl) - EPA Reg. No. 264-316

Sevin XLR Plus (carbaryl) - EPA Reg. No. 264-333 Bayer CropScience LP, PO Box 12014, 2 T.W. Alexander Dr. Research Triangle Park, NC 27709 866-992-2937

Spintor 2SC (spinosad) - EPA Reg. No. 62719-294 Dow AgroSciences LLC, 9330 Zionsville Rd., Indianapolis, IN 46268 Phone: (800) 892-6740

Orthene Turf, Tree & Ornamental Spray WSP (acephate) - EPA Reg. No. 59639-26 (Labeled for Douglas fir Christmas trees)

Orthene Turf, Tree & Ornamental Spray (acephate) - EPA Reg. No. 59639-26 (Labeled for Douglas fir Christmas trees)

Orthene Turf, Tree & Ornamental Spray 97 (acephate) - EPA Reg. No. 59639-91 (Labeled for Douglas fir Christmas trees) Valent USA Corp., Walnut Creek, CA 94596 Phone: (415) 256-2700

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

USDA Approved Regulatory Treatments for Gypsy Moth for 2010

(Nursery Use Only)

A regulatory treatment is a mandatory pesticide application required by the USDA and MDA 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 will result in denial of certification. Conifers sold as live nursery stock may have additional certification requirements for gypsy moth, Japanese beetle, weeds and/or pine shoot beetle.

Baythroid XL (cyfluthrin) - EPA Reg. No. 264-840 EPA SLN. No. MI-060003 Bayer CropScience LP, PO Box 12014, 2 T.W. Alexander Dr. Research Triangle Park, NC 27709 866-992-2937 You must have a copy of the SLN label to use this product on Christmas trees. Label indicates application may be made on select trees within a Christmas tree plantation which will subsequently sold as nursery stock.

Conserve SC (spinosad) - EPA Reg. No. 62719-291 Dow AgroSciences LLC, 9330 Zionsville Rd., Indianapolis, IN 46268 Phone: (800) 892-6740

Decathlon 20 WP Greenhouse and Nursery Insecticide (cyfluthrin) - EPA Reg. No. 432-1402-59807 OHP Inc., PO Box 230, Mainland, PA 19451 Phone: 770-751-1073

Dimilin 25W (diflubenzuron) - EPA Reg. No. 400-465

Dimilin 4L (diflubenzuron) - EPA Reg. No. 400-474 Chemtura Corp., 199 Benson Rd., Middlebury, CT 06749 Phone: (203) 573-2449.

Imidan 70W (phosmet) - EPA Reg. No. 10163-169 Gowan Company, PO Box 5569, Yuma, AZ 85366-5569

Dursban 50W WSP (chlorpyrifos) - EPA Reg. No. 62719-72 Dow AgroSciences LLC, 9330 Zionsville Rd., Indianapolis, IN 46268 Phone: (800) 892-6740

Lorsban 4E (chlorpyrifos) - EPA Reg. No. 62719-220 - Christmas tree nurseries only. Dow AgroSciences LLC, 9330 Zionsville Rd., Indianapolis, IN 46268 Phone: (800) 892-6740

Warhawk (chlorpyrifos) - EPA Reg. No. 34704 - 857 Christmas tree nurseries only. Loveland Products, Inc., P.O. Box 1286 Greeley, CO 80632-1286

Whirlwind (chlorpyrifos) - EPA Reg. No. 62719-220-5905 - Christmas tree nurseries only. Helena Chemical Co., 225 Schilling Blvd. Collierville, TN 38017 (901) 761-0050

Agrisolutions Yuma 4E (chlorpyrifos) - EPA Reg. No. 62719-220-1381 - Christmas tree nurseries only. Winfield Solutions LLC, P.O. Box 64589 St. Paul, MN 55164-0589 (651) 490-4258

Mimic 2LV (spinosad) - EPA Reg. No. 62719-439 Dow AgroSciences LLC, 9330 Zionsville Rd., Indianapolis, IN 46268 Phone: (800) 892-6740

Sevin 80 Solupak (carbaryl) - EPA Reg. No. 264-316

Sevin XLR Plus (carbaryl) - EPA Reg. No. 264-333 Bayer CropScience LP, PO Box 12014, 2 T.W. Alexander Dr. Research Triangle Park, NC 27709 (866) 992-2937

Spintor 2SC (spinosad) - EPA Reg. No. 62719-294 Dow AgroSciences LLC, 9330 Zionsville Rd., Indianapolis, IN 46268 Phone: (800) 892-6740

Orthene Turf, Tree & Ornamental Spray WSP (acephate) - EPA Reg. No. 59639-26

Orthene Turf, Tree & Ornamental Spray (acephate) - EPA Reg. No. 59639-26

Orthene Turf, Tree & Ornamental Spray 97 (acephate) - EPA Reg. No. 59639-91

Valent USA Corp., Walnut Creek, CA 94596 Phone: (415) 256-2700

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

Preventative Treatment for Spruce, Fir and Douglas-Fir Grown in Michigan to Meet Federal Quarantine Requirements

Spruce, fir and Douglas-fir grown in any Michigan county and destined for areas in other states that are not infested must be treated before they can be inspected and certified by the MDA. Research shows that spruce, fir and Douglas-fir support all gypsy moth life stages. A visual inspection alone is not adequate to certify that cut Christmas trees are free of gypsy moth. Additional certification requirements for gypsy moth, Japanese beetle and noxious weeds may apply when shipping these species as live nursery stock.

Acceptable pesticides for preventative treatment

The grower can use any pesticide that is labeled for the site for preventative treatments. However, if gypsy moth is present on the premises or surrounding area, a regulatory treatment, limited to approved compounds only, must be applied. If one or more of the following sites are listed on the label then the pesticide is acceptable for use on Christmas trees. Label claims for product use on "woody ornamentals, ornamentals or nursery stock" are not acceptable for use on Christmas trees.

Acceptable site language for Christmas tree applications

Plantations	Forest trees
Conifers	Forest tree plantings
Tree species	Forest tree nurseries
Evergreens	Non-ornamental trees

Required documentation

The grower must maintain a record of each pesticide application made and must make such records available to the MDA with their application for inspection or upon request by MDA.

Contact information

Mike Bryan, Nursery Program Manager, Michigan Dept. of Agriculture, Lansing
Phone: (517) 241-2977, Fax: (517) 335-4540

Brian Verhougstraete, Pesticide Registration Manager, Michigan Dept. of Agriculture, Lansing
Phone: (517) 241-3267, Fax: (517) 335-4540

The MDA Regional office or the MDA Inspector that serves the grower: see www.michigan.gov/mda.

Precautions to take with honeybees

Growers should be aware that honeybees may be present in their fields gathering nectar and pollen from wildflowers growing among the trees. Growers should use pesticides and pesticide formulations that are least toxic to bees. Avoid spraying when flowers are in bloom. Make pesticide applications in the late evening or early morning when bees are not foraging.

Tips for Successful Gypsy Moth Control

1. Dimilin - Growers are advised to direct Dimilin sprays at early instars where it exerts its best control..
2. Contact Sprays - Growers selecting contact sprays must take into account the development of the larvae at the time of application as well as the residual value of the pesticide. Late instar larvae crawling into trees to pupate might not be affected by contact insecticides applied early in the season; a risk that might be reduced if a second contact insecticide was applied.
3. Coverage - Thorough coverage and water volumes are essential to successful applications. Growers should consult with their commercial applicators, sales representatives, or MSU Extension for the best information on successful spray coverage.