

December 12, 2018

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## Department Banned Chemical Residue Active Ingredients List UPDATE

The intent of this technical bulletin is to publish a list of banned chemical residue active ingredients in accordance with the Medical Marijuana Facilities Licensing Act (MMFLA) and the Administrative Rules.

R 333.247 Rule 47 (12) states the department shall publish a list of banned chemical residue active ingredients. Pesticide active ingredients included in this bulletin are prohibited to be used for the cultivation of marijuana in accordance with the MMFLA and the Administrative Rules.

**Please note:** The Natural Resources and Environmental Protection Act, 1994 PA 451, Part 83 et seq. and Michigan Department of Agriculture & Rural Development (MDARD) regulations apply to all pesticide use; marijuana is no exception. If a product has a label, applicators shall fully adhere to the label. This includes when using pesticide products in marijuana cultivation, applicators must not use a rate that is higher than the rates listed on the label.

The US EPA has yet to approve a chemical labeled for use on the cultivation of marijuana. Using products in a manner other than what the label states is a violation of the Natural Resources and Environmental Protection Act, 1994 PA 451, Part 83 et seq and 7 USC 136 to 136y.

All medical marijuana products will be screened for the banned chemical residue active ingredients in the list below. The detection limits for the testing can be found in the Safety Compliance Facility Sampling and Testing Information guide located in the Technical Bulletins section of the LARA BMR [website](#). Detection limits will be updated based on the limits of quantitation (LOQ) achievable by the Licensed Safety Compliance Facilities.

This is a representative list of active ingredients and not intended to be exhaustive. **The fact that an active ingredient is not listed does not authorize its use on marijuana in Michigan.**

Please refer to the Bureau of Marijuana Regulation (BMR) [Department Approved Pesticide Chemical List Update](#) for additional reference.

Use of unauthorized pesticide active ingredients and failed pesticide chemical tests will be referred to the LARA-BMR Enforcement Section for investigation and inspection. This may result in sanctions, including, but not limited to, license denial, limitation, fines, revocation, suspension, nonrenewal, administrative holds, and orders to cease operations. In addition, the use of these pesticide active ingredients may be a violation of federal and state laws and may be referred to the appropriate authority. The department may issue future pesticide lists that supersede the information contained in this bulletin. The following are examples of banned pesticide active ingredients:

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## Banned Pesticide Active Ingredients

- Abamectin
- Acephate
- Acequinocyl
- Acetamiprid
- Aldicarb
- Azoxystrobin
- Bifenazate
- Bifenthrin
- Boscalid
- Carbaryl
- Carbofuran
- Chlorantraniliprole
- Chlorfenapyr
- Chlorpyrifos
- Clofentezine
- Cyfluthrin
- Cypermethrin
- Daminozide
- DDVP (Dichlorvos)
- Diazinon
- Dimethoate
- Ethoprophos
- Etofenprox
- Etoxazole
- Fenoxycarb
- Fenpyroximate
- Fipronil
- Flonicamid
- Fludioxonil
- Hexythiazox
- Imazalil
- Imidacloprid
- Kresoxim-methyl
- Malathion
- Metalaxyl
- Methiocarb
- Methomyl
- Methyl parathion
- MGK-264
- Myclobutanil
- Naled
- Oxamyl
- Paclobutrazol
- Permethrins\*
- Prallethrin
- Phosmet
- Piperonyl\_butoxide
- Propiconazole
- Propoxur
- Pyridaben
- Pyrethrins+
- Spinosad
- Spiromesifen
- Spirotetramat
- Spiroxamine
- Tebuconazole
- Thiacloprid
- Thiamethoxam
- Trifloxystrobin

\* Permethrins cumulative residue of cis- and trans-permethrin isomers

+ Pyrethrins cumulative residues of pyrethrin 1, cinerin 1 and jasmolin 1

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*This technical bulletin does not constitute legal advice and is subject to change. It is intended to provide a technical clarification only to the Department of Licensing and Regulatory Affairs' Administrative Rules. Licensees are encouraged to seek legal counsel to ensure their operations comply with the Medical Marihuana Facilities Licensing Act and associated Administrative Rules.*

More information on the BMR can be found at the bureau's [website](#)

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