

Industrial Hemp Pesticides in Missouri

This guide lists approved pesticides for industrial hemp production in Missouri. Approved pesticides have received U.S. Environmental Protection Agency (EPA) approval and are registered for use by the Missouri Department of Agriculture. Information for approved pesticides can be found in Table 1. All information is current as of Nov. 10, 2020. Hemp buyers may have additional restrictions. Growers should confirm pesticide approval from contracted buyer to guarantee acceptance at harvest.

Be aware if industrial hemp is grown in rotation with conventional crops, there is potential for residual herbicide contamination. Some herbicides can carryover for multiple years following their use in a given area making previous knowledge of land usage and treatment a necessity before planting a hemp crop. Further information about herbicide carryover considerations in hemp can be obtained at <https://www.wiscweeds.info/post/herbicide-rotation-restrictions-before-planting-industrial-hemp>.

Table 1. EPA registered pesticides for use in industrial hemp.

Treatment type	Product name – Label PDF	Manufacturer	EPA registration
Fungicide	Carb-O-Nator https://www3.epa.gov/pesticides/chem_search/ppls/070051-00117-20200617.pdf	Certis USA LLC	70051-117
Fungicide	LifeGard WG https://www3.epa.gov/pesticides/chem_search/ppls/070051-00119-20200427.pdf	Certis USA LLC	70051-119
Fungicide	MBI-106 https://www3.epa.gov/pesticides/chem_search/ppls/084059-00021-20200127.pdf	Marrone Bio Innovations	84059-21
Fungicide	Regalia Bioprotectant https://www3.epa.gov/pesticides/chem_search/ppls/084059-00003-20200528.pdf	Marrone Bio Innovations	84059-3
Fungicide	Reliant Systemic Fungicide https://www3.epa.gov/pesticides/chem_search/ppls/083416-00001-20200312.pdf	Quest Products LLC	83416-1
Fungicide/bactericide	Amplitude https://www3.epa.gov/pesticides/chem_search/ppls/084059-00028-20191219.pdf	Marrone Bio Innovations	84059-28
Fungicide/bactericide	GH DMNT https://www3.epa.gov/pesticides/chem_search/ppls/091865-00003-20200302.pdf	Hawthorne Hydroponics LLC	91865-3
Fungicide/miticide/insecticide	Debug Optimo https://www3.epa.gov/pesticides/chem_search/ppls/070310-00007-20191219.pdf	Agro Logistic Systems Inc.	70310-7
Fungicide/miticide/insecticide	Debug Tres https://www3.epa.gov/pesticides/chem_search/ppls/070310-00008-20191219.pdf	Agro Logistic Systems Inc.	70310-8
Fungicide/miticide/insecticide	Debug Turbo https://www3.epa.gov/pesticides/chem_search/ppls/070310-00005-20191219.pdf	Agro Logistic Systems Inc.	70310-5
Fungicide/miticide/insecticide	Rango https://www3.epa.gov/pesticides/chem_search/ppls/088760-00010-20200617.pdf	Terramera Inc.	88760-10

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Table 1. EPA registered pesticides for use in industrial hemp.

(continued)

Treatment type	Product name – Label PDF	Manufacturer	EPA registration
Fungicide/miticide/insecticide	Sil-MATRIX https://www3.epa.gov/pesticides/chem_search/ppls/070051-00127-20191023.pdf	Certis USA LLC	70051-127
Insecticide	Bioceres https://www3.epa.gov/pesticides/chem_search/ppls/089600-00002-20200413.pdf	Anatis Bioprotection Inc.	89600-2
Insecticide	Crymax https://www3.epa.gov/pesticides/chem_search/ppls/070051-00086-20200519.pdf	Certis USA LLC	70051-86
Insecticide	Debug-ON https://www3.epa.gov/pesticides/chem_search/ppls/070310-00011-20191219.pdf	Agro Logistic Systems Inc.	70310-11
Insecticide	Fawligen https://www3.epa.gov/pesticides/chem_search/ppls/087978-00004-20200731.pdf	AgBiTech Pty Ltd.	87978-4
Insecticide	GH CMT https://www3.epa.gov/pesticides/chem_search/ppls/091865-00001-20191219.pdf	Hawthorne Hydroponics LLC	91865-1
Insecticide	GH MPMT (conventional) https://www3.epa.gov/pesticides/chem_search/ppls/091865-00002-20191219.pdf	Hawthorne Hydroponics LLC	91865-2
Insecticide	GH NAMT https://www3.epa.gov/pesticides/chem_search/ppls/091865-00004-20191219.pdf	Hawthorne Hydroponics LLC	91865-4
Insecticide	Mycotrol ES https://www3.epa.gov/pesticides/chem_search/ppls/082074-00001-20200123.pdf	LAM International Corporation	82074-1
Insecticide	PFR-97 WDG https://www3.epa.gov/pesticides/chem_search/ppls/070051-00019-20200204.pdf	Certis USA LLC	70051-19
Insecticide	Gemstar LC https://www3.epa.gov/pesticides/chem_search/ppls/070051-00045-20200427.pdf	Certis USA LLC	70051-45
Insecticide/miticide	SPEAR Lep https://www3.epa.gov/pesticides/chem_search/ppls/088847-00006-20200610.pdf	Vestaron Corporation	88847-6
Insecticide	BotaniGard 22WP https://www3.epa.gov/pesticides/chem_search/ppls/082074-00002-20200123.pdf	LAM International Corporation	82074-2

Note: Unless otherwise noted as conventional, all products listed are bio-pesticides. Certified organic farms should check with their certifier before using any of the products listed. Contact your buyers and processors for additional restrictions on treatments used for hemp biomass.