

PESTICIDE GUIDANCE

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JAMES PEPPER, CHAIR
JULIE HULBURD, COMMISSIONER
KYLE HARRIS, COMMISSIONER

OLGA FITCH, EXECUTIVE DIRECTOR

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Introduction

The Cannabis Control Board maintains a list of approved pesticides and offers a process to approve additional pesticides for use on cannabis. Crop protection strategies utilizing Integrated Pest Management (IPM) should be adopted by all cultivators. The CCB has provided a list of approved active ingredients that can be utilized as part of an IPM program.

Pesticide Use on Cannabis in Vermont

[\(6 VSA Chapter 87\)](#)

The Vermont Agency of Agriculture regulates the use of pesticides by homeowners and professionals, including sales restrictions, proper use, storage, and disposal of pesticides. Product registration, applicator certificates, may be required for use of certain pesticides, all of which are issued from the Division of Public Health and Agricultural Resource Management within the Vermont Agency of Agriculture, Food and Markets. All applicators are responsible for following the directions on product labels and for properly disposing of all unused pesticides.

Pesticide Applicator Certification

Cannabis Cultivators that have workers maintaining their crop or cultivators that wish to use Restricted Use products need to be certified private applicators.

Private Applicators - Farmers of all kinds must certify as private applicators: dairy, vegetables, berries, apples, grapes, nursery stock, Christmas trees, and more. To be certified to use Class A pesticides in Vermont, private applicators need to take and pass the CORE exam. [Information about the CORE exam can be found here.](#) A private certificate is valid for 5 years and costs \$25.

Worker Protection Standards

Vermont statute ensures that the Worker Protection Standards (WPS) be followed for cannabis cultivation. Cannabis cultivators should be purchasing the agricultural use products and not homeowner pesticide products. The Agricultural use products have the WPS box on the label and all posting, reentry interval, and interval to harvest restrictions must be followed.

The Worker Protection Standard (WPS) is a regulation issued by the U.S. Environmental Protection Agency (EPA). It is primarily intended to reduce the risks of illness or injury to workers and handlers resulting from occupational exposures to pesticides used in the production of agricultural plants on agricultural establishments, including greenhouses and indoor growing operations. Workers are generally those who perform hand-labor tasks in pesticide-treated crops, such as harvesting, thinning, and pruning. Handlers are usually those that are in direct contact with pesticides such as mixing, loading, or applying pesticides.

Pesticide Registration and Classification

All pesticide products must be registered by the Agency of Agriculture prior to use or distribution in the State.

To determine if a product is registered for use in the state of Vermont, go to <https://usaplants.vermont.gov/USAPlants/ProductRegFSA/BrandSearch.aspx>, and click on “Product Registration” to search the database.

Basic requirements for allowable use on cannabis include:

- Products must be registered in Vermont,
- The active ingredient(s) shall not leave residue above action levels, and
- The active ingredient(s) must have an established tolerance or a tolerance exemption under FDCA

Additionally, the pesticide products:

- Shall only contain the active ingredients listed below
- Shall only include inert ingredients that are eligible for food use, and
- Must be labeled for agricultural use.

Request a New Active Ingredient for Approval

To request a new pesticide product for use on cannabis

- Provide information on what pest is to be controlled.
- Provide the name of the Active Ingredient
- Provide the EPA registration number of the product.
- If the product is 25(b) or minimum risk provide the #CAS number associated with the ingredient.
- Provide a copy of the label of the product

Email this information to CCB.Compliance@vermont.gov

Requesting a new registration for a product with approved active ingredient(s)

If you wish to use a product with an approved active ingredient that is not currently registered, cultivators can work with the product’s distributor to obtain a registration by following these links:

- [New product registration form](#)
- [How to register pesticides online](#)

Updated list of permissible active ingredients for pesticides, as of 2/11/2025:

Active Ingredient	Product Example (s)	Pesticide Type	VT Registration Status	Class	EPA Reg No
Acetic acid	Vinagreen	Herbicide	Active	B	85208-1
Azadirachtin / Neem	Azamax,	Insecticide, Miticide, Nematicide	Active	C	71908-1-81268
	Azasol,		Active	B	81899-4-74578
	Molt-X		Active	B	68539-11
Ammonium soaps for higher fatty acids	Finalsan Herbicidal Soap	Herbicide	Active	B	67702-8
Bacillus spp.	Double Nickel 55	Fungicide, Insecticide	Active	B	70051-108
	Double Nickel LC		Active	B	70051-107
	Serenade ASO		Active	B	264-1152
	Serenade Garden Disease Control Concentrate		Active	B	261-1152
	Serenade Garden Disease Control Ready to Spray		Active	B	264-1152
	Serenade Opti		Active	B	264-1160
	Agree WG		Active	B	70051-47
Beauveria bassiana spp.	Botanigard ES	Insecticide	Active	B	82074-1
Burkholderia sp.	Venerate CG	Miticide, Nematicide, insecticide	Active	B	84059-14
	Arber Bio Insecticide		Active	B	84059-14-97021
Isaria spp.	PFR-97 20% WDG,	Insecticide	Active	B	70051-19
Streptomyces spp	Mycostop,	Fungicide	Active	C	64137-5
	Actinovate STP Fungicide/Nematicide		Active	C	524-643
	Actinovate AG		Active	C	524-641
	Actinovate Lawn & Garden		Active	B	524-641
	Actinovate SP		Active	C	524-641
	Actinovate LG		Active	B	77314-20
Trichoderma	Rootshield Granules	Fungicide	Active	C	68539-3

	Rootshield WP Biological Fungicide		Active	B	68539-7
	Rootshield Plus WP Biological Fungicide		Active	B	68539-9
	Rootshield Plus Granules Biological Fungicide		Active	B	68539-10
Citric acid	Eliminator Insecticide and Fungicide Concentrate (The Amazing Doctor Zymes).	Miticide, Insecticide,	Active	C	28028 33177
Corn Oil					
Cytokinins	Agra-Rouse	PGR- General	Active	C	80518-2
Diatomaceous Earth	Celite 610,	Insecticide	Active	B	73729-1
	Diafil 610B		Active	B	73729-3
Gibberellic acids	HM-1354-A (Receptor)	PGR-General	Active	B	5905-594
Hydrogen peroxide	Jet-Ag 5%	Fungicide, Algaecide	Active	B	84059-32
	Oxidate 2.0	Bacteriocide, fungicide, algaecide	Active	B	70299-12
	Zerotol 2.0	Bacteriocide, fungicide, algaecide	Active	B	70299-12
Indole-3-butyric- acid	Clonex Rooting Gel	PGR- Growth Stimulator	Active	C	79664-1
Canola oil	Doktor Doom Formula 420 3 In 1 Spray	Insecticide, Miticide	Active	C	67702-4-72804
	Ferti-Lome Horticultural Oil Ready to Spray	Miticide, Insecticide	Active	B	67702-4-7401
Mineral oil	All Seasons Horticultural & Dormant Spray Oil	Insecticide, Fungicide	Active	B	4-80
	All Seasons Horticultural & Dormant Spray Oil RTU		Active	C	4-419

	Bonide All Seasons Horticultural & Dormant Spray Oil Ready to Spray		Active	B	4-80
Soybean oil	Golden Pest Spray	Insecticide	Active	B	57538-11
Castor oil	Mole & Vole Stopper Granule	Rodent repellent	Active	C	13935 00053
Cinnamon oil	SaferGro Weed Zap	Herbicide	Active	B	44189 02392
Clove oil	Nature-Cide All Purpose Insecticide	Insecticide	Active	C	12249 01249
Garlic oil	Captiva	Insecticide	Active	B	10163-326
	Captiva Prime		Active	B	10163-336
Rosemary oil	Trifecta Crop Control (<i>Trifecta Crop Control Ready-to-use has oil of thyme, garlic, peppermint, corn, rosemary, geraniol, ad citric acid.</i>)	Fungicide, insecticide	Active	C	
Sesame oil	Organocide Bee Safe 3-in-1 Garden Spray Concentrate	Miticide, Insecticide, Fungicide	Active	C	850045 873035
Thyme oil	Guarda	Fungicide, Bacteriocide	Active	C	92144-2-70299
Peroxyacetic acid	Bioside HS 15%	Fungicide	Active	C	63838-2
Potassium bicarbonate	Kaligreen	Fungicide	Active	B	11581-2
Potassium salts of fatty acids	Exile,	Insecticide, Fungicide, Miticide	Discontinued	B	91865-2
	KOPA Insecticidal Soap,		Active	B	67702-11-59807
	Safer soap		Active	C	42697-60
	Havahart Insect Killing Soap Concentrate II		Active	C	42697-59
	Safer Soap Insect Killing Soap With Seaweed Extract II		Active	C	42697-59
Mono and Di-Potassium salts of phosphorus acid	Fosphite Systemic Fungicide	Fungicide	Active	B	68573-2

Reynoutria sachalinensis	Regalia Biofungicide	Fungicide, PGR-General	Active	B	84059-3
	Regalia 12 Biofungicide		Active	B	84059-21
	Regalia CG		Active	B	84059-3
25b Mint Oils with Multiple Actives:					
Thyme, Clove, Garlic, Peppermint, Corn, Geraniol, Citric Acid, Rosemary Oil	Trifecta Crop Control Ready to Use		Active	C	806810068908.00
Peppermint Oil, Lemongrass Oil, Geranium Oil, Citric Acid	Athena IPM		Active	C	25(b)