



CANNABIS CONTROL BOARD

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PESTICIDE GUIDANCE

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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
- Must be labeled for use on unspecified food crops,
- Shall only include inert ingredients that are eligible for food use, and
- Must be labeled for agricultural use.

Active Ingredient	Product Example (s)	Pesticide Type
Acetic acid	Vinagreen	Herbicide
Azadirachtin / Neem	Azamax, Azasol, Molt-X	Insecticide, Miticide, Nematicide
Ammonium soaps for higher fatty acids	Finalsan Herbicidal Soap	Herbicide
Bacillus spp.	Double Nickel, Serenade, Agree WG	Fungicide, Insecticide
Beauveria bassiana spp.	Botanigard ES	Insecticide
Isaria spp.	PFR-97 20% WDG, Preferal Microbial	Insecticide
Streptomyces spp	Mycostop, Actinovate	Fungicide
Trichoderma	Rootshield, Incept	Fungicide
Citric acid	Eliminator	Miticide, Insecticide,
Cytokinins	Agra-Rouse	PGR-General
Diatomaceous Earth	Celite 610, Diafil 610	Insecticide
Geraniol	Banish	Fungicide
Gibberellic acids	HM-1354-A	PGR-General
Hydrogen dioxide	Terraclean 5.0	Fungicide, Bactericide
Hydrogen peroxide	Jet AG	Fungicide, Algaecide
Indole-3-butyric-acid	Clonex Rooting Gel	PGR- Growth Stimulator
Canola oil	Natural Guard Brand Horticultural Oil	Insecticide, Fungicide, Miticide

Mineral oil	All Season Horticultural & Dormant Spray Oil Concentrate	Insecticide, Fungicide
Soybean oil	Golden Pest Spray	Insecticide
Castor oil	Mole & Vole Stopper	Rodent repellent
Cinnamon oil	Safer Gro	Herbicide
Clove oil	Nature-Cide All Purpose	Insecticide
Cottonseed oil	Spider Mite Control	Miticide
Garlic oil	Captiva	Insecticide
Mint oils	Trifecta Crop Control	Fungicide, insecticide
Rosemary oil	Trifecta Crop Control	Fungicide, insecticide
Sesame oil	Organocide 3-in-1 Garden Spray	Miticide, Insecticide, Fungicide
Thyme oil	Thyme Guard	Fungicide, Insecticide, Bactericide, Virucide
Peroxyacetic acid	Bioside HS 15%	Fungicide
Potassium bicarbonate	Kaligreen	Fungicide
Potassium salts of fatty acids	Exile, KOPA Insecticidal Soap, Safer Soap	Insecticide, Fungicide, Miticide
Mono and Di-Potassium salts of phosphorus acid	Fosphite	Fungicide
Reynoutria sachalinensis	Regalia	Fungicide, PGR-General

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