#### NEW MEXICO REGISTERED PESTICIDES FOR USE IN CANNABIS SP.

**New Mexico Department of Agriculture - October 2025** 

The New Mexico Pesticide Control Act prohibits the use of any pesticide product on *Cannabis sp.* (both high THC cultivars (total THC > 0.3%) and low THC cultivars (total THC  $\leq$  0.3%) that has not been reviewed and registered by New Mexico Department of Agriculture (NMDA). This review and registration process helps reduce the risk of plant phytotoxicity, adverse health effects to applicators and consumers, and adverse impacts to the environment.

Lack of Environmental Protection Agency (EPA) registered pesticide products for use on *Cannabis sp.* dictate that states take on additional responsibilities related to the review process. NMDA's review process to determine if a product meets the state's requirements for use on *Cannabis sp.* is based on the evaluation of several factors, including:

- 1) Product's pesticidal active ingredients' residue tolerance<sup>1</sup> status, as established by EPA (i.e., exempt or established by EPA):
- 2) Products' labeled use-language (i.e., specifically mentions *Cannabis sp.*, or use-language is sufficiently broad that *Cannabis sp.* would be interpreted as being included);
- 3) Registration status of the product in New Mexico (i.e., registered or not registered for other uses);
- 4) Manufacturers' support for products' use in Cannabis sp. (i.e., supported or not supported).

DISCLAIMER OF WARRANTY AND RELEASE OF LIABILITY: PRODUCERS ASSUMES TOTAL RESPONSIBILITY FOR USE OF THE LISTED PESTICIDES. PRODUCER USE THE LISTED PESTICIDES STRICTLY AT PRODUCER'S OWN RISK. NMDA DOES NOT MAKE AND SPECIFICALLY DISCLAIMS ALL WARRANTIES OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO WARRANTIES MERCHANTABILITY, AND FITNESS FOR A PARTICULAR PURPOSE (INCLUDING POST-HARVEST HUMAN CONSUMPTION AND INHALATION OF LISTED PESTICIDE RESIDUE). PRODUCER RELEASES NMDA FROM ALL LIABILITY RELATED TO PRODUCERS USE OR MISUSE OF THE LISTED PESTICIDES.

NMDA updates the list of pesticide products registered for use on *Cannabis sp.* quarterly. Products currently registered can be found at: https://nmdeptag.nmsu.edu/aes/hemp/cannabis-registered-pesticides-and-growth-regulators.html.

When using pesticide products on *Cannabis sp.*, applicators are required to follow the labeled instructions including rate, frequency of applications, and harvest restrictions. Aforementioned requirements contribute to the safety of the applicator, employees, and consumers, and minimize phytotoxicity. Where labeled, applicators must follow the Agricultural Use Requirements which refers to The Worker Protection Standards<sup>2</sup>, a Federal law enforced by US EPA and states.

# **Frequently Asked Questions:**

## Some products do not have an EPA Registration Number and list 25(b). What does this mean?

Products marked 25(b) are called minimum risk pesticides due to their "minimum risk" to human health and the environment. While 25(b) products are exempt from federal registration, NMDA requires registration of these products in the state and to be approved prior to use on *Cannabis sp.* 

#### Can growers request a product be added to the lists?

A producer can request the manufacturer to consider their product for state review and use on Cannabis sp., or NMDA can contact the manufacturer on behalf of the industry (i.e., Cannabis Chamber of Commerce), or other state agency. Some manufacturers do not want their products associated with *Cannabis sp.* plant production.

#### A product I would like to use is on the list for another state but does not appear on the NM list. Why?

Either the product does not meet our criteria for consideration, or the product is not currently registered in NM.

# Why is the NM list of products organized by Brand Name instead of Active Ingredient?

Products are listed by Brand Name because products individually, not active ingredients, are reviewed and registered by NMDA.

### Are there plans to add additional products to the lists?

NMDA periodically reviews products for possible use on *Cannabis sp*. Products that meet the state's requirements will be added to the list. Additionally, the IR-4 Project<sup>3</sup> is evaluating additional active ingredients and for use on low THC *Cannabis sp*. (hemp). This research supports the establishment of residue tolerances as well as EPA's and states' registration of additional pesticide products for use in both low and high THC *Cannabis sp*.

<sup>&</sup>lt;sup>1</sup>Residue Tolerance: maximum concentration of an active ingredient on or in a plant post-harvest that is determined to be safe for use. Residue tolerance concentrations are used to determine frequency, concentration, and number of pesticide applications. Some pesticide active ingredients are determined by EPA to have minimal environmental and health risks and therefore exempt from residue tolerance requirements and noted as 25(b) in the product lists.

<sup>&</sup>lt;sup>2</sup>Worker Protection Standards: Standards established by EPA to protect employees from pesticide exposure. Commercial *Cannabis sp.* growers with employees using products labeled with an Agricultural Use Requirement box fall under Worker Protection Standards requirements: (<a href="https://www.epa.gov/pesticide-worker-safety/agricultural-worker-protection-standard-wps">https://www.epa.gov/pesticide-worker-safety/agricultural-worker-protection-standard-wps</a>). These products are identified with a "\*" in the following registered pesticide product list.

<sup>&</sup>lt;sup>3</sup> <u>IR-4 Project:</u> A collaboration between state, EPA, and industry directed at efforts to register pesticides in minor use crops that industry does is not willing to take on the economic responsibilities to register by themselves.

# PESTICIDES REGISTERED FOR USE ON CANNABIS SP.

(New Mexico Department of Agriculture, October 2025)

Registered Herbicides				
Brand Name	Active Ingredients	EPA Reg. #	Restrictions	OMRI Listed
*Fireworxx	Caprylic Acid, Capric Acid	67702-54-59807	Worker Protection Standards/Labeled	Yes
*Homeplate	Caprylic Acid, Capric Acid	67702-54-59807	Worker Protection Standards/Labeled	Yes
*Green Gobbler 20% Vinegar Weed Killer	Acetic Acid	85208-1-93489	Worker Protection Standards/Labeled	Yes
*Vinegar Weed & Grass Killer	Acetic Acid	85208-1-92429	Worker Protection Standards/Labeled	No
*Sonalan HFP	Ethalfluralin	10163-356	Worker Protection Standards/Labeled	No
*Green Gobbler 20% Vinegar Weed & Grass Killer	Acetic Acid	85208-1-93489	Worker Protection Standards/Labeled	No

Registered Plant Growth Regulators				
Brand Name	Active Ingredients	EPA Reg. #	Restrictions	OMRI Listed
* Crop Protect Direct PGP	3-Indolebutyric acid, Cytokinin	90866-13-101458	Worker Protection Standards/Labeled	No
*Promote	Cytokinin, Gamma Aminobutyric Acid, Choline Chloride	90866-23	Worker Protection Standards/Labeled	No
*Onward	Cytokinin, Gamma Aminobutyric Acid, Choline Chloride	95755-2	Worker Protection Standards/Labeled	No
*Onward Max	Cytokinin, Gamma Aminobutyric Acid, Choline Chloride	90866-31-95775	Worker Protection Standards/Labeled	No
*Ratchet	Lipo-chitooligosaccharide	73314-16	Worker Protection Standards/Labeled	No
*Torque IF	Lipo-chitooligosaccharide	73314-16	Worker Protection Standards/Labeled	No
* X-CYTE PLANT GROWTH REGULATOR	Cytokinin	57538-15	Worker Protection Standards/Labeled	No
*Nexta Swole	Cytokinin	57538-76	Worker Protection Standards/Labeled	No
*X-cyte	Cytokinin	57538-74	Worker Protection Standards/Labeled	No

Registered Fungicides/Bactericides/Algicides					
Brand Name	Active Ingredients	EPA Reg. #	Restrictions	OMRI Listed	
*Milstop SP	Potassium Bicarbonate	68539-13	Worker Protection Standards/Labeled	Yes	
*Double Nickel LC	Bacillus amyloliquefaciens	70051-107	Worker Protection Standards/Labeled	Yes	
*Carb-O-Nator (in D1)	Potassium Bicarbonate	70051-117	Worker Protection Standards/Labeled	Yes	
*Lifegard WG	Bacillus mycoides isolate J	70051-119	Worker Protection Standards/Labeled	Yes	
*Regalia Biofungicide	Extract of Reynoutria sachalinensis	84059-3	Worker Protection Standards/Labeled	Yes	
*Regalia CG	Extract of Reynoutria sachalinensis	84059-3	Worker Protection Standards/Labeled	Yes	
*Stargus	Bacillus amyloliquefaciens strain F727	84059-28	Worker Protection Standards/Labeled	Yes	
Arber Bio Fungicide	Bacillus amyloliquefaciens strain F727	84059-28-97021	Labeled	Yes	
*General Hydroponics Defguard (in D2)	Bacillus amyloliquefaciens strain D747	91865-3	Worker Protection Standards/Labeled	Yes	
*Guarda	Thyme Oil	92144-2-70299	Worker Protection Standards/Labeled	No	
*Zerotol 2.0	Hydrogen Peroxide, Peroxyacetic Acid	70299-12	Worker Protection Standards/Labeled	Yes	
*Asperello T34 Biocontrol	Trichoderma asperellum, strain T34	87301-1-91594	Worker Protection Standards/Labeled	Yes	
*Oxidate 2.0	Hydrogen Peroxide, Peroxyacetic Acid	70299-12	Worker Protection Standards/Labeled	Yes	
*Mycostop Biofungicide for Vegetable and Ornamental Crops (in D1)	Streptomyces strain K61	64137-5	Worker Protection Standards/Labeled	Yes	
*Double Nickel 55	Bacillus amyloliquefaciens strain D747	70051-108	Worker Protection Standards/Labeled	Yes	
Judgement	Thyme Oil	25(b)	Labeled	Yes	
*BotryStop WP	Ulocladium oudemansii (U3 Strain)	68539-17	Worker Protection Standards/Labeled	Yes	
*Triathlon BA	Bacillus amyloliquefaciens strain D747	70051-107-59807	Worker Protection Standards/Labeled	Yes	
Typhoon	Potassium sorbate	25(b)	Labeled	No	
Zealous	Thyme Oil	25(b)	Labeled	Yes	
*Rango	Cold Pressed Neem Oil	88760-10	Worker Protection Standards/Labeled	Yes	
*Zorda WG Biological Fungicide	Bacillus amyloliquefaciens strain PTA- 4838	73049-522	Worker Protection Standards/Labeled	Yes	
*Theia Fungicide	Bacillus subtilis strain AFS032321	94713-2-92488	Worker Protection Standards/Labeled	Yes	
*Vacres (in D2)	Potassium bicarbonate	94201-1	Worker Protection Standards/Labeled	Yes	
Grower's Ally Fungicide Concentrate	Citric Acid	25(b)	Labeled	Yes	
Grower's Ally Fungicide Ready To Use	Citric Acid	25(b)	Labeled	Yes	
*Socoro	Cold Pressed Neem Oil	88760-10	Worker Protection Standards/Labeled	Yes	
*Lalstop G46 WG	Gliocladium catenulatum strain J1446	64137-13	Worker Protection Standards/Labeled	Yes	
*Bella Trove Companion Maxx WP	Bacillus amyloliquefaciens strain ENV503	94485-5	Worker Protection Standards/Labeled	Yes	

Lost Coast Plant Therapy Concentrate	Citric Acid, Peppermint Oil, Soybean Oil	25(b)	Labeled	No
*Reliant Systemic Fungicide	Mono- and di-potassium salts of Phosphorous Acid	83416-1	Worker Protection Standards/Labeled	No
*OxiPhos	Hydrogen Peroxide, Mono- and dipotassium salts of phosphorous acid	70299-22	Worker Protection Standards/Labeled	No
*Cease	Bacillus subtilis strain QST 713	264-1155-68539	Worker Protection Standards/Labeled	Yes
*PERpose Plus	Hydrogen Peroxide	68539-15	Worker Protection Standards/Labeled	Yes
*RootShield Plus WP Biological Fungicide	Trichoderma harzianum Rifai strain T22, Trichoderma virens strain G-41	68539-9	Worker Protection Standards/Labeled	Yes
*RootShield Plus Granules Biological Fungicide	Trichoderma harzianum Rifai strain T22, Trichoderma virens strain G-41	68539-10	Worker Protection Standards/Labeled	Yes
Tidal Grow Spectra	Chitosan	25(b)	Labeled	No
*AmyloShield Biological Fungicide	Bacillus amyloliquefaciens strain PTA- 4838	73049-522	Worker Protection Standards/Labeled	Yes
Magic Gardener Biological Disease Control	Bacillus amyloliquefaciens strain PTA- 4838	73049-522	Labeled	Yes
*PerCarb	Sodium carbonate peroxyhydrate	70299-15	Worker Protection Standards/Labeled	Yes
*Lalstop K61 WP	Streptomyces strain K61	64137-5	Worker Protection Standards/Labeled	Yes
*Theia Fungicide	Bacillus subtilis strain AFS032321	70051-138	Worker Protection Standards/Labeled	Yes
*Howler EVO Fungicide	Pseudomonas chlororaphis strain AFS009	70051-141	Worker Protection Standards/Labeled	Yes
*Howler Fungicide	Pseudomonas chlororaphis strain AFS009	70051-141	Worker Protection Standards/Labeled	Yes
*Hydroxycide 1522	Hydrogen Peroxide, Peroxyacetic Acid	2686-22	Worker Protection Standards/Labeled	Yes
*LifeGard LC	Bacillus mycoides isolate J	70051-126	Worker Protection Standards/Labeled	Yes
*Arber Bio Protectant	Extract of Reynoutria sachalinensis	84059-3-97021	Worker Protection Standards/Labeled	Yes
*T34 BIOCONTROL	Trichoderma asperellum, strain T34	87301-1	Worker Protection Standards/Labeled	Yes
*ZEROTOL 2.0	Hydrogen peroxide, Peroxyacetic acid	70299-12	Worker Protection Standards/Labeled	Yes
*PERpose Plus	Hydrogen peroxide	68539-15	Worker Protection Standards/Labeled	Yes
*TS601 Biological Fungicide	Methylorubum populi strain NLS0089	95699-1	Worker Protection Standards/Labeled	No
Impact SIX	Chitosan	25(b)	Labeled	No

Registered Insecticides/Miticides/Nematicides/Insect Growth Regulators				
Brand Name	Active Ingredients	EPA Reg. #	Restrictions	OMRI Listed
*PRINCIPLE WP	beauveria bassiana strain BW149	68539-22	Worker Protection Standards/Labeled	No
*Ancora	Isaria fumosorosea Apopka Strain 97	70051-19-59807	Worker Protection Standards/Labeled	Yes
*PFR-97 20 WDG	Isaria fumosorosea Apopka stain 97	70051-19	Worker Protection Standards/Labeled	Yes
*Gemstar LC	Polyhedral occlusion bodies of the nuclear polyhedrosis virus of <i>Helicoverpa zea</i> (corn earworm)	70051-45	Worker Protection Standards/Labeled	Yes

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*Crymax	Bacillus thuringiensis subspecies kurstaki strain EG7841 solids, spores and lepidopteran active toxins	70051-86	Worker Protection Standards/Labeled	No
*Debug Turbo (in D2)	Fats and glyceridic oils, margosa; Azadirachtin	70310-5	Worker Protection Standards/Labeled	Yes
*Debug Turbo	Fats and glyceridic oils, margosa; Azadirachtin	1021-2874	Worker Protection Standards/Labeled	Yes
*Debug Optimo	Azadirachtin~Fats and glyceridic oils, margosa	1021-2876	Worker Protection Standards/Labeled	Yes
*Debug Optimo (in D2)	Fats and glyceridic oils, margosa; Azadirachtin	70310-7	Worker Protection Standards/Labeled	Yes
*Debug Tres (in D2)	Fats and glyceridic oils, margosa; Azadirachtin	70310-8	Worker Protection Standards/Labeled	Yes
*Debug Tres	Fats and glyceridic oils, margosa; Azadirachtin	1021-2877	Worker Protection Standards/Labeled	Yes
*Debug-On (in D2)	Fats and glyceridic oils, margosa	70310-11	Worker Protection Standards/Labeled	Yes
*Debug-On	Fats and glyceridic oils, margosa	1021-2879	Worker Protection Standards/Labeled	Yes
*Azamax	Azadirachtin	71908-1-81268	Worker Protection Standards/Labeled	Yes
*Ecogarden	Azadirachtin	71908-1-81268	Labeled	Yes
*Coor T Liquid Consentrate	CS amaga/kanna Hyty Hy1a	88847-6	Worker Protection	No
*Spear T Liquid Concentrate	GS-omega/kappa-Hxtx-Hv1a	88847-0	Standards/Labeled	No
*Spear-LEP	GS-omega/kappa-Hxtx-Hv1a	88847-6	Worker Protection Standards/Labeled	No
*BT Now	Bacillus thuringiensis subspecies kurstaki strain EVB-113-19	89046-12-70299	Worker Protection Standards/Labeled	Yes
*Leprotec	Bacillus thuringiensis subspecies kurstaki strain EVB-113-19	89046-12-88847	Worker Protection Standards/Labeled	Yes
*Seican	Cinnamaldehyde	91473-2-88783	Worker Protection Standards/Labeled	Yes
*Azaguard	Azadirachtin	70299-17	Worker Protection Standards/Labeled	Yes
*Bioprotec Plus	Bacillus thuringiensis subspecies kurstaki strain EVB-113-19	89046-12	Worker Protection Standards/Labeled	Yes
*Bioceres WP	Beauveria bassiana strain ANT-03	89600-2	Worker Protection Standards/Labeled	Yes
Brandt Ecotec Plus	Rosemary Oil, Geraniol, Peppermint Oil	25(b)	Labeled	Yes
*Agree WG	Bacillus thuringiensis subspecies aizawai strain GC-91	70051-47	Worker Protection Standards/Labeled	Yes
*BoteGHA Optima ES	Beauveria bassiana strain GHA	82074-17	Worker Protection Standards/Labeled	Yes
*Mycotrol Optima ESO	Beauveria bassiana strain GHA	82074-17	Worker Protection Standards/Labeled	Yes
*Botanigard ES	Beauveria bassiana strain GHA	82074-1	Worker Protection Standards/Labeled	No
*BoteGHA ES	Beauveria bassiana strain GHA	82074-1	Worker Protection Standards/Labeled	Yes
*Mycotrol ESO	Beauveria bassiana strain GHA	82074-1	Worker Protection Standards/Labeled	Yes
*Ecoworks EC	Cold Pressed Neem Oil	89152-4	Worker Protection Standards/Labeled	Yes
Grower's Ally Spider Mite Control Concentrate (in D1)	Rosemary Oil, Clove Oil, Peppermint Oil	25(b)	Labeled	No
Captain Jack's Rose Rx 4 in 1 Ready to Use	Cold Pressed Neem Oil	88760-12-4	Labeled	No
General Hydroponics TriShield Insecticide, Miticide & Fungicide Concentrate	Citric Acid, Sodium Lauryl Sulfate, Soybean Oil	25(b)	Labeled	No
*Isarid	Isaria fumosorosea strain FE 9901	89635-5	Worker Protection Standards/Labeled	Yes

*Deliver	Bacillus thuringiensis subspecies kurstaki strain SA-12 solids	70051-69	Worker Protection Standards/Labeled	Yes
	Bacillus thuringiensis subspecies		Standards/ Labeled	
*Javelin WG	kurstaki strain SA-11 solids and Lepidopteran active toxins	70051-66	Worker Protection Standards/Labeled	Yes
*Grandevo WDG	Chromobacterium subtsugae strain PRAA4-1	84059-27	Worker Protection Standards/Labeled	Yes
Grower's Ally Crop Defender 3 Concentrate	Clove Oil, Peppermint Oil, Rosemary Oil, Thyme Oil	25(b)	Labeled	Yes
Grower's Ally Crop Defender 3 Ready To Use	Clove Oil, Peppermint Oil, Rosemary Oil, Thyme Oil	25(b)	Labeled	Yes
Trifecta Crop Control Ready To Use	Citric Acid, Clove Oil, Corn Oil, Garlic Oil, Geraniol, Peppermint Oil, Rosemary Oil, Thyme Oil	25(b)	Labeled	No
Trifecta Crop Control Super Concentrate	Citric Acid, Clove Oil, Corn Oil, Garlic Oil, Geraniol, Peppermint Oil, Rosemary Oil, Thyme Oil	25(b)	Labeled	No
Essentria IC Pro	Sodium Laurly Sulfate, Geraniol, Clove Oil, Cornmint Oil	25(b)	Labeled	No
Grower's Ally Spider Mite Control Ready To Use	Clove Oil, Peppermint Oil, Rosemary Oil, Thyme Oil	25(b)	Labeled	No
*BotaniGard Optima ES	Beauveria bassiana strain GHA	82074-17	Worker Protection Standards/Labeled	No
*Debug Optimo	Fats and glyceridic oils, margosa; Azadirachtin	1021-2876	Worker Protection Standards/Labeled	Yes
*BioCeres EC	Beauveria bassiana strain ANT-03	89600-4	Worker Protection Standards/Labeled	Yes
IPM	Citric Acid, Geranium Oil, Lemongrass Oil, Peppermint Oil	25(b)	Labeled	No
Neem 85	Cold pressed Neem oil	95993-3-6218	Labeled	No
Soyote (in D1)	Soybean Oil, Sodium Lauryl Sulfate	25(b)	Labeled	No
*NemaClean 10% WP	Purpureocilium lilacinum strain PL11	82074-16	Worker Protection Standards/Labeled	Yes
*Molt-X	Azadirachtin	68539-11	Worker Protection Standards/Labeled	Yes
*BOTANIGARD 22WP	Beauveria bassiana strain GHA	82074-2	Worker Protection Standards/Labeled	No
The Amazing Doctor Zymes Eliminator	Citric Acid	25(b)	Worker Protection Standards/Labeled	Yes
*Bioceres GR	Beauveria bassiana strain ANT-03	89600-7	Worker Protection Standards/Labeled	No
*Furor	Sodium tetraborate decahydrate	72662-3	Worker Protection Standards/Labeled	No
*Pronghorn	Sodium tetraborate decahydrate	72662-3	Worker Protection Standards/Labeled	No
Cinnerate (in P4)	Cinnamon Oil	25(b)	Labeled	Yes
Cinnerate (in D1)	Cinnamon Oil	25(b)	Labeled	Yes
Cinnerate (24% Repack)	Cinnamon Oil	25(b)	Labeled Worker Protection	No
*Lalguard M52 GR	Metarhizium brunneum strain F52	64137-31	Standards/Labeled Worker Protection	Yes
*Spear-RC	GS-omega/kappa-Hxtx-Hv1a	88847-6	Standards/Labeled	No
Mighty Mint Plant Protection	Peppermint Oil, Rosemary Oil, Geraniol	25(b)	Labeled	Yes
*Leprotec WG	Bacillus thuringiensis subspecies kurstaki strain SA-11 solids and Lepidopteran active toxins	70051-66-88847	Worker Protection Standards/Labeled	Yes
Almighty	Geraniol	25(b)	Labeled	Yes
Furious	Cottonseed Oil, Geraniol, Peppermint Oil, Rosemary Oil	25(b)	Labeled	Yes

*Venerate XC	Heat-killed <i>Burkholderia</i> spp. Strain A396 cells and spent fermentation media	84059-14	Worker Protection Standards/Labeled	Yes
*Heligen	Helicoverpa zea Nucleopolyhedrovirus strain ABA-NPV-U	87978-2	Worker Protection Standards/Labeled	Yes
*Fawligen	Spodopter frugiperda Multiple Nucleopolyhedrovirus strain 3AP2	87978-4	Worker Protection Standards/Labeled	Yes
*NoFly WP	Isaria Fumosorosea strain FE 9901	88664-1	Worker Protection Standards/Labeled	Yes
*Nemasan	Quillaja extract, Chitosan	92032-1	Worker Protection Standards/Labeled	No
*Atroforce	Trichoderma atroviride strain K5 NRRL B-50520	86431-36-70506	Worker Protection Standards/Labeled	No
*LalNix Act DC	Purpureocilium lilacinum (synonym Paecilomyces lilacinus) strain 251	64137-36	Worker Protection Standards/Labeled	No

<sup>\*</sup> Notes products labeled for agricultural use, therefore requiring *Cannabis sp.* producers with employees to adhere to EPA Worker Protection Standards. Cannabis sp. producers operating using only immediate family members as employees are exempt from Worker Protection Standards.

<sup>&</sup>quot;In D1" or "In D2" indicates product is in the first or second year of discontinuance in NM. These products are still available for purchase and use but may not be in the future.