

JOE LOMBARDO  
Governor

STATE OF NEVADA

J.J. GOICOECHEA, DVM  
Director

Las Vegas Office:  
2300 East St. Louis Ave.  
Las Vegas, NV 89104-4211  
(702) 668-4590  
Fax (702) 668-4567



Elko Office:  
4780 East Idaho Street  
Elko, NV 89801-4672  
(775) 738-8076  
Fax (775) 738-2639

## DEPARTMENT OF AGRICULTURE

405 South 21<sup>st</sup> Street  
Sparks, Nevada 89431-5557  
Telephone (775) 353-3601 Fax (775) 353-3661  
Website: <http://www.agri.nv.gov>

### **The Nevada Pesticide Applicator Act prohibits use of a pesticide in a manner inconsistent with the product labeling per NRS 586.335:**

1. The Director shall endeavor to eliminate from use in this state any pesticide:
  - (a) Which endangers the agricultural or non-agricultural environment;
  - (b) Which is not beneficial for the purposes for which it is sold; or
  - (c) Which is mis-represented.

It is unlawful for any person to use, store, or dispose of pesticides, pesticide containers, rinsates, or other related materials, or to supervise or recommend such acts, in a manner inconsistent with labeling directions or requirements, unless otherwise provided for by law, or in an unsafe, negligent, or fraudulent manner.

We are currently reviewing pesticide labels upon request and maintaining a list of products that may be used on marijuana without violating NRS 586.010 to 586.550, as long as the applicator follows the label directions.

The list developed by the NDA is intended to assist growers in distinguishing those pesticide products whose labels do not legally prohibit use on marijuana from those that do. It is not an endorsement or recommendation to use these products in the production of marijuana in Nevada. These products have not been tested to determine their health effects if used on marijuana that will be consumed and thus the health risks to consumers is unknown. By including products on this list, therefore, NDA makes no assurances of their safety or effectiveness when used on marijuana and accepts no responsibility or liability for any such use.

The NDA has limited time and resources to review new pesticide products brought to our attention to determine whether they can be applied to marijuana and thus added to the **NDA List of Pesticides That Are Not Legally Prohibited for Use on Medical/Adult Marijuana**. The fundamental criterion for these decisions is based on broad label language that does not restrict the use of the pesticide product on marijuana. However, the NDA does not have the ability to respond to all questions to provide the detail as to why we did or did not approve a particular pesticide product to be added to the list. The answer in most cases is that the label language was either very specific as to what sites the product could be applied to, or it strictly prohibited use to specific sites or use patterns. Procedures for submitting requests can be found in Section 1 of NAC 586.

It is the pesticide applicator's responsibility to identify a pesticide product that: a) contains an active ingredient that is on the list; b) the pesticide label on the container does not prohibit its use in the grow facility; c) the active ingredient is registered for a food crop and; d) is registered for sale in the State of Nevada.

### **WPS requirements for protection of workers in marijuana production:**

If you are a commercial marijuana producer, are you aware of the requirements of the Federal Pesticide Worker Protection Standard (WPS)? This includes many specific requirements that producers of any agricultural commodity (including marijuana or industrial hemp) must comply with if they have people working in an area where plants have been treated with pesticides or who mix or apply pesticides. If you would like further information on these requirements, please contact Vanze Lum, (775) 353-3716, or at [vlum@agri.nv.gov](mailto:vlum@agri.nv.gov), and he can set up a meeting to discuss these requirements.

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**Acequinocyl**  
**Bacillus amyloquefaciens**  
**Bacillus licheniformis**  
**Bacillus megaterium**  
**Bacillus pumilius strain QST 2808**  
**Bacillus subtilis**  
**Bacillus thuringiensis**  
**Beauveria bassiana strain ANT-03**  
**Beauveria bassiana strain GHA**  
**Beauveria bassiana Condia**  
**Bifenazate**  
**Burkholderia spp. strain A396**  
**Capsicum oleoresin**  
**Castor oil (U.S.P. or equivalent)**  
**Cinnamon and cinnamon oil**  
**Citric acid**  
**Chomobacterium substsugae**  
**Clonostachys rosea**  
**Cloves and clove oil**  
**Copper octanoate**  
**Copper oxychloride**  
**Copper hydroxide**  
**Corn gluten meal**  
**Corn oil**  
**Cottonseed oil**  
**Cyfluthrin and beta-cyfluthrin\***  
**Dimethomorph\***  
**Etoxazole**  
**Eugenol**  
**Fenhexamid**  
**Flonicamid\***  
**Fludioxonil**  
**Garlic and garlic oil**  
**Geraniol**  
**Geranium oil**  
**Hydrogen dioxide**  
**Hydrogen peroxide**  
**Imidacloprid\***  
**Indole-3-butyric acid**  
**Kaolin**  
**Lauryl sulfate**  
**Lemongrass oil**  
**Linseed oil**  
**Malic acid**  
**Metarhizium anisopliae strain F52**  
**Mineral oil**  
**Mint and mint oil**  
**Mono-and Di-Potassium salts of phosphorus acid**  
**Myclobutanil\***  
**Neem oil**  
**Paecilomyces fumosoroseus (Isaria fumosorosea)**  
**Paraffinic oil (mineral oil)**  
**Pentachloronitrobenzene (quintozene)**  
**Peppermint and peppermint oil**  
**Peroxyacetic acid**  
**2-Phenethyl propionate (2-phenylethyl propionate)**  
**Piperonyl butoxide**  
**Potassium bicarbonate**  
**Potassium salts of fatty acid**  
**Potassium silicate**  
**Potassium sorbate**  
**Pyrethrin**  
**Reynoutria sachalinensis**  
**Rosemary and rosemary oil**  
**Sesame (includes ground sesame plant) and sesame oil**  
**Sodium Carbonate Peroxyhydrate (Percarbonate)**  
**Sodium chloride (common salt)**  
**Sodium lauryl sulfate**  
**Soybean oil**  
**Spinetoram\***  
**Spinosad**  
**Spirotetramat**  
**Streptomyces griseoviridis strainK61**  
**Streptomyces lydicus WYEC 108**  
**Sucrose octanoate**  
**Sulfur**  
**Thiamethoxam\***  
**Thyme and thyme oil**  
**Trichoderma harzianum**  
**Trichoderma reesei**  
**Trichoderma virens**  
**Trifloxystrobin\***  
**Ulocladium Oudemansii**  
**White pepper**  
**Zinc metal strips (consisting solely of zinc metal and impurities)**

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**Color Key:**

**EPA (25b) Minimum Risk-Exempt from Tolerance**

**EPA Registered Pesticide-Exempt from Tolerance**

**EPA Registered Pesticide-Tolerance is Monitored**

Those active ingredients that have an asterisk (\*) may have indoor/interiorscape/greenhouse use on one label and food uses on a different label. The percentage of active ingredients may vary from label to label. Active ingredients with an asterisk are not legally prohibited from use on marijuana when they are used at the label application rate that results in the lowest amount of active ingredient being applied per 1000 sq.ft. or per acre.

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Azadirachtin  
Bacillus amyloquefaciens  
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Copper octanoate

Copper oxychloride  
Copper hydroxide  
Corn gluten meal  
Corn oil  
Cottonseed oil  
Cyfluthrin and beta-cyfluthrin\*  
Dimethomorph\*  
Etoxazole  
Eugenol  
Fenhexamid  
Flonicamid\*  
Fludioxonil  
Garlic and garlic oil  
Geraniol  
Geranium oil  
Hydrogen dioxide  
Hydrogen peroxide  
Imidacloprid\*  
Indole-3-butyric acid  
Kaolin  
Lauryl sulfate  
Lemongrass oil  
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|  |  |
|--|--|
| Mineral oil  | Sodium Carbonate Peroxyhydrate (Percarbonate)                      |
| Mint and mint oil                                    | Sodium chloride (common salt)                                      |
| Mono-and Di-Potassium salts of phosphorus acid       | Sodium lauryl sulfate  |
| Myclobutanil*  | Soybean oil  |
| Neem oil   | Spinetoram*  |
| Paecilomyces fumosoroseus (Isaria fumosorosea)       | Spinosad   |
| Paraffinic oil (mineral oil)                         | Spirotetramat  |
| Pentachloronitrobenzene (quintozene)                 | Streptomyces griseoviridis strainK61                               |
| Peppermint and peppermint oil                        | Streptomyces lydicus WYEC 108                                      |
| Peroxyacetic acid                                    | Sucrose octanoate  |
| 2-Phenethyl propionate (2-phenylethyl propionate)    | Sulfur   |
| Piperonyl butoxide                                   | Thiamethoxam*  |
| Potassium bicarbonate                                | Thyme and thyme oil  |
| Potassium salts of fatty acid                        | Trichoderma harzianum  |
| Potassium silicate                                   | Trichoderma reesei   |
| Potassium sorbate                                    | Trichoderma virens   |
| Pyrethrin  | Trifloxystrobin*   |
| Reynoutria sachalinensis                             | Ulocladium Oudemansii  |
| Rosemary and rosemary oil                            | White pepper   |
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