**Section 1000.APPENDIX A Authorized Pesticides**

The following is a list of pesticide active ingredients the Department has approved for use on cannabis plants. The pesticide product shall be registered with the Department under the Illinois Pesticide Control Act.

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| --- | --- | --- | --- |
| **Label Type** | **Signal Word** | **Active Ingredient** | **Concentration** |
|  | | | |
| Insect Repellent | Caution | Azadirachtin | 0.09% |
| Insecticide | Caution | Azadirachtin | 0.09% |
| Insecticide | Caution | Azadirachtin | 0.60% |
| Nematicide | Caution | Azadirachtin | 0.60% |
| Fungicide | Caution | Azadirachtin | 0.70% |
| Insect Repellent | Caution | Azadirachtin | 0.70% |
| Insecticide | Caution | Azadirachtin | 0.70% |
| Nematicide | Caution | Azadirachtin | 0.70% |
| Insecticide | Caution | Azadirachtin | 1.00% |
| Insect Repellent | Caution | Azadirachtin | 1.20% |
| Insecticide | Caution | Azadirachtin | 1.20% |
| Nematicide | Caution | Azadirachtin | 1.20% |
| Insecticide | Caution | Azadirachtin | 3.00% |
| Nematicide | Caution | Azadirachtin | 3.00% |
| Nematicide | Warning | Azadirachtin | 3.00% |
| Insect Repellent | Caution | Azadirachtin | 4.50% |
| Insecticide | Caution | Azadirachtin | 4.50% |
| Insecticide | Caution | Azadirachtin | 6.00% |
| Nematicide | Caution | Azadirachtin | 6.00% |
| Fungicide | Caution | Bacillus pumilus strain GHA 180 | 0.00% |
| PGR - Growth Stimulator | Caution | Bacillus pumilus strain GHA 180 | 0.00% |
| Fungicide | Caution | Bacillus subtilis MBI 600 | 0.00% |
| PGR - General | Caution | Bacillus subtilis MBI 600 | 0.00% |
| Fungicide | Caution | Bacillus subtilis MBI 600 | 9.90% |
| Fungicide | Caution | Bacillus subtilis GB03 | 0.03% |
| Fungicide | Caution | Bacillus subtilis QST713 Strain | 0.07% |
| Fungicide | Caution | Bacillus subtilis QST713 Strain | 1.34% |
| Fungicide | Caution | Bacillus subtilis QST713 Strain | 14.60% |
| Fungicide | Caution | Bacillus subtilis var. amyloliquefaciens strain D747 TGAI | 25.00% |
| Fungicide | Caution | Bacillus subtilis var. amyloliquefaciens strain D747 TGAI | 98.85% |
| Insecticide | Caution | Bacillus thuringiensis ssp. aizawai | 54% |
| Insecticide | Caution | Bacillus thuringiensis ssp. israelensis | 6.38% |
| Insecticide | Caution | Bacillus thuringiensis ssp. kurstaki 1 | 17.19% |
| Insecticide | Caution | Bacillus thuringiensis ssp. kurstaki 1 | 54% |
| Insecticide | Caution | Bacillus thuringiensis ssp. kurstaki 1 | 58.20% |
| Insecticide | Caution | Bacillus thuringiensis ssp. kurstaki 7841 | 40.00% |
| Insecticide | Caution | Bacillus thuringiensis ssp. kurstaki strain SA-12 | 9.83% |
| Insecticide | Caution | Canola Oil | 1.00% |
| Insecticide | Caution | Canola Oil | 89.50% |
| Fungicide | Caution | Canola Oil | 96.00% |
| Insecticide | Caution | Canola Oil | 96.00% |
| Insecticide | Caution | Chromobacterium sub strain PRAA4-1 cells | 30.00% |
| Insecticide | Caution | Chromobacterium sub strain PRAA4-1 cells | 94.50% |
| Insect Repellent | Caution | Cinnamon | 0.03% |
| Insecticide | Caution | Cinnamon | 0.03% |
| Fungicide | Caution | Cinnamon Oil | 0.20% |
| Insect Repellent | None | Cinnamon Oil | 0.20% |
| Insecticide | Caution | Cinnamon Oil | 0.20% |
| Insecticide | None | Cinnamon Oil | 0.20% |
| Fungicide | Caution | Cinnamon Oil | 4% |
| Insecticide | Caution | Cinnamon Oil | 4% |
| Insecticide | Caution | Citric Acid | 0.10% |
| Fungicide | Danger | Citric Acid | 99% |
| Insecticide | Warning | Citronella Oil | 0.42% |
| Fungicide | Caution | Clarified Hydrophobic Extract of Neem Oil | 70.00% |
| Insecticide | Caution | Clarified Hydrophobic Extract of Neem Oil | 70.00% |
| Fungicide | Caution | Copper Octanoate | 0.08% |
| Fungicide | Caution | Copper Octanoate | 10% |
| Fungicide | Caution | Corn Oil | 0.30% |
| Fungicide | Caution | Corn Oil | 30% |
| Fungicide | Caution | Cottonseed Oil | 0.30% |
| Insecticide | Caution | Cottonseed Oil | 0.40% |
| Fungicide | Caution | Cottonseed Oil | 3% |
| Insecticide | Caution | Cottonseed Oil | 3% |
| Fungicide | Caution | Cottonseed Oil | 30% |
| Insecticide | Caution | Cottonseed Oil | 40% |
| PGR - Crop Quality | Caution | Cytokinins | 0.01% |
| PGR - General | Caution | Cytokinins | 0.01% |
| PGR - Growth Stimulator | Caution | Cytokinins | 0.02% |
| Nematicide | Caution | Dried Ferm. Slds/Slbs of Myrothecium verrucaria | 90% |
| Insecticide | Warning | Farnesol | 0.17% |
| Insect Repellent | Caution | Garlic Oil/Powder | 0.03% |
| Insecticide | Caution | Garlic Oil/Powder | 0.03% |
| Insecticide | Caution | Garlic Oil/Powder | 0.10% |
| Fungicide | Caution | Garlic Oil/Powder | 0.23% |
| Fungicide | Caution | Garlic Oil/Powder | 3.00% |
| Insecticide | Caution | Garlic Oil/Powder | 10% |
| Insect Repellent | Caution | Garlic Oil/Powder | 20.00% |
| Invertebrate Control | Caution | Garlic Oil/Powder | 20.00% |
| Vertebrate Repellent | Caution | Garlic Oil/Powder | 20.00% |
| Fungicide | Caution | Garlic Oil/Powder | 23% |
| Insecticide | Caution | Geraniol | 0.30% |
| Insecticide | Warning | Geraniol | 0.42% |
| PGR - Crop Quality | Caution | Gibberellic Acid | 0.00% |
| PGR - General | Caution | Gibberellic Acid | 0.00% |
| PGR - Crop Quality | Warning | Gibberellic Acid | 4% |
| PGR - General | Caution | Gibberellic Acid | 4.00% |
| PGR - Crop Quality | Caution | Gibberellic Acid | 20% |
| PGR - General | Caution | Gibberellic Acid | 20% |
| PGR - Growth Stimulator | Caution | Gibberellic Acid | 20.00% |
| Fungicide | Caution | Gliocladium virens G-21 | 12% |
| Algaecide Slimicide | Danger | Hydrogen Peroxide (Dioxide) | 5.34% |
| Fungicide | Danger | Hydrogen Peroxide (Dioxide) | 5.34% |
| Algaecide Slimicide | Danger | Hydrogen Peroxide (Dioxide) | 26.50% |
| Fungicide | Danger | Hydrogen Peroxide (Dioxide) | 26.50% |
| Algaecide Slimicide | Danger | Hydrogen Peroxide (Dioxide) | 27.00% |
| Algaecide Slimicide | Danger | Hydrogen Peroxide (Dioxide) | 27.00% |
| Disinfectant | Danger | Hydrogen Peroxide (Dioxide) | 27.00% |
| Fungicide | Danger | Hydrogen Peroxide (Dioxide) | 27.00% |
| Algaecide Slimicide | Danger | Hydrogen Peroxide (Dioxide) | 27.10% |
| Fungicide | Danger | Hydrogen Peroxide (Dioxide) | 27.10% |
| Herbicide | Danger | Hydrogen Peroxide (Dioxide) | 27.10% |
| Algaecide Slimicide | Danger | Hydrogen Peroxide (Dioxide) | 33.00% |
| Disinfectant | Danger | Hydrogen Peroxide (Dioxide) | 33.00% |
| Fungicide | Danger | Hydrogen Peroxide (Dioxide) | 33.00% |
| PGR - Crop Quality | Caution | IBA (Indole-3-Butyric Acid) | 0.01% |
| PGR - General | Caution | IBA (Indole-3-Butyric Acid) | 0.01% |
| Fungicide | Caution | IBA (Indole-3-Butyric Acid) | 0.01% |
| PGR - General | Caution | IBA (Indole-3-Butyric Acid) | 0.10% |
| PGR - Growth Stimulator | Caution | IBA (Indole-3-Butyric Acid) | 0.10% |
| PGR - Growth Stimulator | Caution | IBA (Indole-3-Butyric Acid) | 0.30% |
| PGR - Growth Stimulator | Caution | IBA (Indole-3-Butyric Acid) | 0.31% |
| PGR - Growth Stimulator | Caution | IBA (Indole-3-Butyric Acid) | 0.47% |
| PGR - Growth Stimulator | Caution | IBA (Indole-3-Butyric Acid) | 0.54% |
| PGR - Growth Stimulator | Caution | IBA (Indole-3-Butyric Acid) | 0.80% |
| PGR - Growth Stimulator | Caution | IBA (Indole-3-Butyric Acid) | 20.00% |
| Invertebrate Control | Caution | Iron Phosphate (FePO4) | 1.00% |
| Insecticide | Caution | Isaria fumosorosea | 20% |
| Fungicide | Caution | Jojoba Oil | 97.50% |
| Insecticide | Caution | Jojoba Oil | 97.50% |
| Fungicide | Caution | Kaolin | 95.00% |
| Insecticide | Caution | Kaolin | 95.00% |
| PGR - General | Caution | Kaolin | 95.00% |
| Vertebrate Repellent | Caution | Kaolin | 95.00% |
| Fungicide | Caution | Mineral Oil/Petroleum Distillate | 98.00% |
| Insecticide | Caution | Mineral Oil/Petroleum Distillate | 98.00% |
| Insecticide | Caution | Mineral Oil/Petroleum Distillate | 98.80% |
| Insecticide | Caution | Mineral Oil/Petroleum Distillate Light | 1.00% |
| Fungicide | Caution | Mineral Oil/Petroleum Distillate Light | 80% |
| Insecticide | Caution | Mineral Oil/Petroleum Distillate Light | 80% |
| Insecticide | Caution | Mineral Oil/Petroleum Distillate Light | 90.00% |
| Desiccant | Caution | Mineral Oil/Petroleum Distillate Light | 98% |
| Fungicide | Caution | Mineral Oil/Petroleum Distillate Light | 98.00% |
| Insecticide | Caution | Mineral Oil/Petroleum Distillate Light | 98.00% |
| Fungicide | Caution | Mineral Oil/Petroleum Distillate Light | 98.40% |
| Insecticide | Caution | Mineral Oil/Petroleum Distillate Light | 98.40% |
| Fungicide | Caution | Monopotassium Phosphate | 40.80% |
| Fungicide | Caution | Monopotassium Phosphate | 100% |
| Fungicide | Caution | Neem Oil Cold Pressed | 65.80% |
| Insect Repellent | Caution | Neem Oil Cold Pressed | 65.80% |
| Insecticide | Caution | Neem Oil Cold Pressed | 65.80% |
| Nematicide | Caution | Neem Oil Cold Pressed | 65.80% |
| Insect Repellent | Caution | Neem Oil Cold Pressed | 100.00% |
| Insecticide | Caution | Neem Oil Cold Pressed | 100.00% |
| Insecticide | Warning | Nerolidol | 0.42% |
| Fungicide | Caution | Oil of Clove | 0.10% |
| Insecticide | Caution | Oil of Clove | 0.10% |
| Fungicide | Caution | Oil of Clove | 0.20% |
| Insect Repellent | None | Oil of Clove | 0.20% |
| Insecticide | Caution | Oil of Clove | 0.20% |
| Insecticide | None | Oil of Clove | 0.20% |
| Insect Repellent | Caution | Oil of Clove | 1.50% |
| Insecticide | Caution | Oil of Clove | 1.50% |
| Fungicide | Caution | Oil of Clove | 2% |
| Insecticide | Caution | Oil of Clove | 2% |
| Fungicide | Caution | Oil of Clove | 10.00% |
| Herbicide | Caution | Oil of Clove | 10.00% |
| Insecticide | Caution | Oil of Clove | 20% |
| Fungicide | Caution | Oil of Rosemary | 0.05% |
| Insect Repellent | Caution | Oil of Rosemary | 0.05% |
| Insecticide | Caution | Oil of Rosemary | 0.05% |
| Fungicide | Caution | Oil of Rosemary | 0.10% |
| Insecticide | Caution | Oil of Rosemary | 0.10% |
| Insect Repellent | Caution | Oil of Rosemary | 0.23% |
| Insect Repellent | Caution | Oil of Rosemary | 0.53% |
| Insecticide | Caution | Oil of Rosemary | 0.53% |
| Insecticide | Caution | Oil of Rosemary | 0.80% |
| Fungicide | Caution | Oil of Rosemary | 2% |
| Insect Repellent | Caution | Oil of Rosemary | 2.00% |
| Insecticide | Caution | Oil of Rosemary | 2% |
| Insect Repellent | Caution | Oil of Rosemary | 10.00% |
| Insecticide | Caution | Oil of Rosemary | 10.00% |
| Fungicide | Caution | Oil of Rosemary | 18.00% |
| Herbicide | Caution | Oil of Rosemary | 18.00% |
| Fungicide | None | Oil of Sesame | 0.10% |
| Insecticide | None | Oil of Sesame | 0.10% |
| Fungicide | Caution | Oil of Sesame | 5% |
| Insecticide | Caution | Oil of Sesame | 5% |
| Insecticide | None | Oil of Sesame | 5.00% |
| Fungicide | Caution | Oil of Thyme | 0.10% |
| Insecticide | Caution | Oil of Thyme | 0.10% |
| Fungicide | Caution | Oil of Thyme | 1.20% |
| Fungicide | Caution | Oil of Thyme | 2% |
| Insecticide | Caution | Oil of Thyme | 2% |
| Fungicide | Caution | Oil of Thyme | 4% |
| Fungicide | Caution | Oil of Thyme | 10.00% |
| Herbicide | Caution | Oil of Thyme | 10.00% |
| Algaecide Slimicide | Caution | Oregano Oil | 1.00% |
| Fungicide | Caution | Oregano Oil | 1.00% |
| Herbicide | Caution | Oregano Oil | 1.00% |
| Insect Repellent | Caution | Peppermint | 0.04% |
| Insecticide | Caution | Peppermint | 0.04% |
| Insecticide | Caution | Peppermint | 0.40% |
| Insecticide | Caution | Peppermint | 0.80% |
| Insecticide | Caution | Peppermint | 2.00% |
| Algaecide Slimicide | Danger | Peroxyacetic Acid | 1.36% |
| Fungicide | Danger | Peroxyacetic Acid | 1.36% |
| Algaecide Slimicide | Danger | Peroxyacetic Acid | 2.00% |
| Fungicide | Danger | Peroxyacetic Acid | 2.00% |
| Herbicide | Danger | Peroxyacetic Acid | 2.00% |
| Algaecide Slimicide | Danger | Peroxyacetic Acid | 4.90% |
| Fungicide | Danger | Peroxyacetic Acid | 4.90% |
| Fungicide | Caution | Phosphorous Acid Mono- And Di-Potassium, Salts of | 28.10% |
| Fungicide | Caution | Phosphorous Acid Mono- And Di-Potassium, Salts of | 45.50% |
| Fungicide | Caution | Phosphorous Acid Mono- And Di-Potassium, Salts of | 45.80% |
| Fungicide | Caution | Phosphorous Acid Mono- And Di-Potassium, Salts of | 53% |
| Fungicide | Caution | Phosphorous Acid Mono- And Di-Potassium, Salts of | 53.60% |
| Fungicide | Caution | Phosphorous Acid Mono- And Di-Potassium, Salts of | 56.00% |
| PGR - General | Caution | Phosphorous Acid Mono- And Di-Potassium, Salts of | 56.00% |
| Fungicide | Caution | Phosphorous Acid Mono- And Di-Potassium, Salts of | 56.20% |
| Fungicide | Caution | Phosphorous Acid Mono- And Di-Potassium, Salts of | 57.00% |
| Fungicide | Caution | Phosphorous Acid Mono- And Di-Potassium, Salts of | 99.00% |
| Fungicide | Caution | Piperonyl Butoxide | 2.50% |
| Insecticide | Caution | Piperonyl Butoxide | 2.50% |
| Insecticide | Caution | Piperonyl Butoxide | 4.00% |
| Insecticide | Caution | Piperonyl Butoxide | 16.00% |
| Insect Repellent | Caution | Piperonyl Butoxide | 60.00% |
| Insecticide | Caution | Piperonyl Butoxide | 60.00% |
| Fungicide | Caution | Potassium Bicarbonate | 81.90% |
| Fungicide | Caution | Potassium Bicarbonate | 85.00% |
| Insecticide | Caution | Potassium Laurate | 1% |
| Insecticide | Caution | Potassium Laurate | 1.02% |
| Fungicide | Caution | Potassium Laurate | 12.38% |
| Insecticide | Caution | Potassium Laurate | 12.38% |
| Insecticide | Caution | Potassium Laurate | 19.90% |
| Insecticide | Caution | Potassium Laurate | 20.00% |
| Insecticide | Warning | Potassium Laurate | 47% |
| Fungicide | Warning | Potassium Laurate | 49.00% |
| Insecticide | Warning | Potassium Laurate | 49.00% |
| Insecticide | Warning | Potassium Laurate | 49.52% |
| Fungicide | Caution | Pyrethrins | 0.01% |
| Insecticide | Caution | Pyrethrins | 0.01% |
| Insecticide | Caution | Pyrethrins | 0.24% |
| Fungicide | Caution | Pyrethrins | 0.25% |
| Insecticide | Caution | Pyrethrins | 0.25% |
| Insecticide | Caution | Pyrethrins | 0.50% |
| Insecticide | Caution | Pyrethrins | 1.40% |
| Insecticide | Caution | Pyrethrins | 4.00% |
| Insect Repellent | Caution | Pyrethrins | 5.00% |
| Insecticide | Caution | Pyrethrins | 5.00% |
| Insect Repellent | Caution | Pyrethrins | 6.00% |
| Insecticide | Caution | Pyrethrins | 6.00% |
| Fungicide | Caution | Pythium oligandrum DV 74 | 1.00% |
| PGR - Growth Stimulator | Caution | Pythium oligandrum DV 74 | 1.00% |
| Fungicide | Caution | Reynoutria sachalinensis | 5% |
| PGR - General | Caution | Reynoutria sachalinensis | 5% |
| Insect Repellent | Caution | Rosemary Herbs | 10.00% |
| Insect Repellent | Caution | Sesame Plant Ground | 0.05% |
| Insecticide | Caution | Sesame Plant Ground | 0.05% |
| Invertebrate Control | Caution | Sodium Ferric EDTA | 2.00% |
| Invertebrate Control | Caution | Sodium Ferric EDTA | 5.00% |
| Fungicide | Caution | Sorbic Acid Potassium Salt | 0.01% |
| Insecticide | Caution | Sorbic Acid Potassium Salt | 0.01% |
| Insecticide | Warning | Sorbitol Octanoate | 90.00% |
| Insecticide | Caution | Soybean Oil | 93% |
| Fungicide | Caution | Streptomyces griseoviridis strain K61 | 4% |
| Fungicide | Caution | Streptomyces griseoviridis strain K61 | 35% |
| Fungicide | Caution | Streptomyces lydicus WYEC 108 | 0.04% |
| Fungicide | Caution | Streptomyces lydicus WYEC 108 | 1.30% |
| Fungicide | Caution | Sulfur | 0.20% |
| Insecticide | Caution | Sulfur | 0.20% |
| Fungicide | Caution | Sulfur | 6.48% |
| Insecticide | Caution | Sulfur | 6.48% |
| Fungicide | Caution | Sulfur | 10.00% |
| Insecticide | Caution | Sulfur | 10.00% |
| Fungicide | Caution | Sulfur | 12% |
| Insect Repellent | Caution | Thyme Herbs | 0.03% |
| Insecticide | Caution | Thyme Herbs | 0.03% |
| Fungicide | Caution | Trichoderma asperellum strain ICC 012 | 2.00% |
| Fungicide | Caution | Trichoderma gamsii strain ICC 080 | 2.00% |
| Fungicide | Caution | Trichoderma harzianum Rifai strain KRL-AG2 | 1.15% |
| Fungicide | Caution | Trichoderma virens strain G-41 | 0.61% |