

Vermont Golf Course Pesticide Use Permit Program - Active Ingredient PRESCREENED List

Rev. January 2022

| FUNGICIDES, BACTERICIDES, ALGAEICIDES | HERBICIDES | INSECTICIDES | PGRs |
|-----------------------------------------------|---------------------|--------------------------------------------------|---------------------------|
| <i>Bacillus licheniformis</i> | benefin | abamectin | 3-indolbutyric acid (IBA) |
| <i>Bacillus subtilis</i> | carfentrazone-ethyl | allyl isothiocyanate | cytokinin (kinetin) |
| chloroneb | dithiopyr | <i>Bacillus thuringiensis var. kurstaki</i> | gibberellic acid |
| chlorothalonil | fenoxaprop-ethyl | <i>Beauveria bassiana</i> | |
| copper hydroxide | fluzifop | bifenthrin | |
| cyazofamid | flumioxazin | <i>Burkholderia spp. (cells and ferm. media)</i> | |
| fluzinam | isoxaben | capsaicin | |
| fludioxonil | MCPA ester | cyfluthrin | |
| hydrogen dioxide | oryzalin | cypermethrin | |
| hydrogen peroxide | pendimethalin | deltamethrin | |
| iprodione | prodiamine | indoxacarb | |
| mancozeb | pyraflufen-ethyl | lambda-cyhalothrin | |
| mefentrifluconazole | trifluralin | novaluron | |
| mineral oil | | <i>Steinernema carpocapsae</i> | |
| Oregano oil (<i>Origanum vulgare</i>) | | | |
| PCNB | | | |
| peroxyacetic acid | | | |
| potassium salts of phosphorous acid | | | |
| <i>Pseudomonas chlororaphis</i> strain AFS009 | | | |
| pyraclostrobin | | | |
| <i>Reynoutria schalinensis</i> extract | | | |
| sodium bicarbonate | | | |
| sodium carbonate peroxyhydrate | | | |
| sodium percarbonate | | | |
| <i>Streptomyces lydicus</i> | | | |
| sulfur | | | |
| thiophanate-methyl | | | |
| <i>Trichoderma harzianum ssp.</i> | | | |
| <i>Trichoderma virens ssp.</i> | | | |
| trifloxystrobin | | | |
| vinclozalin | | | |

DEFINITION Prescreened Pesticide List: a list of pesticide active ingredients which due to their relative immobility and limited persistence (as measured by parameters such as, but not restricted to, solubility, Koc and half-life) are unlikely, under normal conditions and acceptable uses, to leave established turf grass and enter surface and/or ground water.

CRITERIA: Koc > 300; Sol in H2O < 20ppm; GUS ≤ 1.8 or if Solubility < 1ppm and half-life < 1