

Attachment. Criteria for Pesticide Use Proposals that must be approved by Bureau pesticide expert and reported to the Department.¹ Revision dated 8 September 1993.

A. Projects meeting any of the following criteria must be (1) approved by the Bureau's designated pesticide expert and (2) reported to the Department unless explicitly exempted in section B.

1. All pesticide uses classified as "Restricted Use" by the Environmental Protection Agency.
2. Pesticides containing active ingredients that have high potential to cause adverse environmental effects (Table 1). This includes pesticides implicated in fish or wildlife die-offs or with reasonable potential to cause die-offs and pesticides with high potential to contaminate groundwater.
3. Pesticide applications with aerial equipment. These generally have a greater potential to drift off-site than pesticide applications with ground equipment.
4. Pesticides applied to water or pesticide uses that could reasonably be expected to contaminate groundwater, wetlands, or riparian areas. This will apply even if the pesticide product is registered for application to water.
5. Pesticides reported to have been found in groundwater or well water.

B. The following pesticides uses are exempted from approval by the Bureau pesticide expert and reporting to the Department providing the application is not made with aerial equipment, unless aerial application is explicitly exempted.

1. Pesticide treatments for subterranean termites.
2. Pesticide treatments for the interior of buildings.
3. Pesticides applied in baits to control colonial insects.
4. Pesticides applied via injection for systemic suppression of certain insect pests on trees or vegetation control. This application method should minimize release of the pesticide into the environment.
5. Pesticide formulations applied as a bait (bran or other carriers) to control grasshoppers and Mormon crickets.
6. Pesticides used in livestock ear tags.

¹Each Bureau will submit annual (calendar year) to the Chair of the Department Pesticide Review Work Group by March 1 of each year.

7. **Acrolein** applied within a closed irrigation system (i.e., does not return uncontrolled to a stream). In addition to the requirements on the pesticide label, acrolein-treated waters must be checked colorimetrically prior to release into natural waters, live streams, reservoirs, estuaries, fish-bearing waters, or to any facilities which drain into them. The colorimetric method (Magnacide H monitor from dealer) is accurate to 10 ppb and is recommended. The acrolein concentrations of water when released to the aforementioned natural waters must be below the accurately detectable limits of 10 ppb as determined by the colorimetric test.
8. **Antimycin A**, a piscicide, used in closed water system.
9. **Arosurf** for larval mosquito control, this exemption includes aerial and aquatic applications.
10. ***Bacillus thuringiensis* ("B.t.")** to control insect pests on crops, including aerial application. While more selective than chemical insecticides, *B.t.* can harm non-target Lepidoptera (i.e., butterflies and moths), including endangered species. Therefore, aerial application to other sites such as forests will be subject to review and reporting.
11. ***Bacillus thuringiensis israeliensis* ("B.t.i")** to control larval mosquitos, as the *B.t.i.* strain is fairly specific for the target organism. The exemption includes aerial and aquatic application.
12. **Copper sulfate and elemental copper** used for aquatic pest control.
13. **Copper ethanolamine and copper triethanolamine** to control algae in fish hatcheries and rearing ponds that are not potable water supplies.
14. **Dichlobenil** applied by ground equipment to control submerged aquatic weeds in non-flowing water such as ponds, reservoirs, and lakes that are not potable water supplies.
15. **Glyphosate** application to aquatic areas with ground equipment.
16. **Methoprene**, an insect growth regulator, used for larval mosquito control, The exemption includes aerial and aquatic application.
17. ***Nosema locustae***, a biological agent, used for grasshopper control. This exemption includes aerial application.
18. **Nucleopolyhedrosis virus (Gypchek)** used for gypsy moth control. This biological pesticide is specific for gypsy moths. This exemption includes aerial application.
19. **Oils** for larval mosquito control. This exemption includes aerial and aquatic applications.
20. **Permethrin** used by directed application for flea control.

21. **Picloram** applied with hand-held equipment providing the treatment area does not include flood pools in reservoirs, flood plains, or other areas subject to inundation.
22. **Rotenone**, a piscicide, used in closed systems.
23. **Simazine** used in closed systems (e.g., fish-rearing ponds or fish hatcheries) for weed control.
24. **Temephos** for larval mosquito control. This exemption includes aerial and aquatic application.
25. **Zinc phosphide** to control burrowing rodents, including prairie dogs, when there is a human safety concern, such as at recreational sites, or human health concern. Care must be taken to assure that non-target species, including endangered species, are not adversely affected, either directly or indirectly.