

Wellhead Protection

a) Except as provided in (b) below, the following activities shall be **prohibited within 100 feet of a well** (including domestic, municipal, agricultural, dry or drainage, monitoring, or abandoned wells):

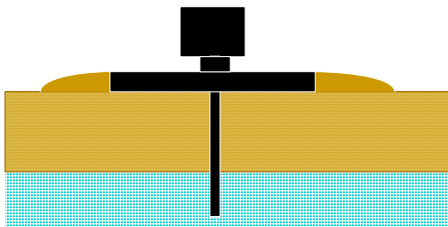
- mixing, loading, and storage of pesticides
- rinsing of spray equipment or pesticide containers
- maintenance of spray equipment that could result in spillage of pesticide residues on the soil
- application of preemergent herbicides (see next page)

b) **Wells shall not be subject to the requirements if they are:**

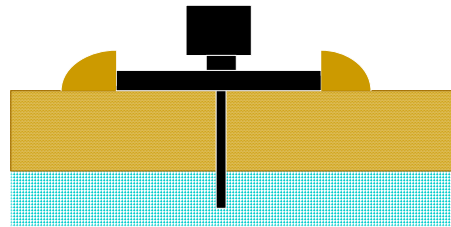
- sited so that runoff water from irrigation or rainfall does not move from the perimeter of the wellhead toward the wellhead and contact or collect around any part of the wellhead including the concrete pad or foundation; or
- protected by a berm constructed of any material sufficient to prevent movement of surface runoff water from the perimeter of the wellhead to the wellhead.
- Application of preemergent herbicides shall be prohibited between the berm and the wellhead.

Examples of Berms:

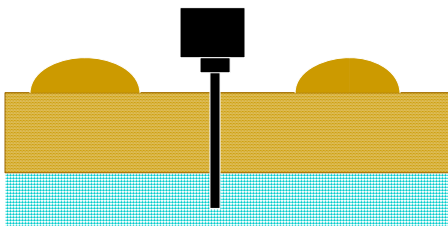
Berm Even with Concrete Pad



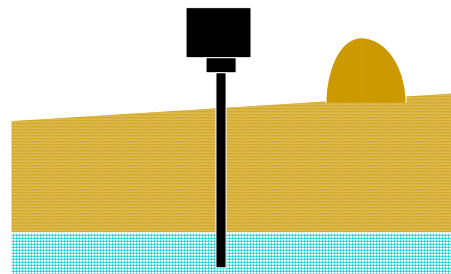
Berm Above Concrete Pad



Berm Without Concrete Pad



Berm Uphill From Wellhead



Wellhead Protection and Preemergent Herbicides

The wellhead protection regulation (CCR 6609) was added to protect wellheads from pesticide contamination. Among other provisions, this regulation prohibits application of preemergent herbicides within 100 feet of unprotected wells (those which water may flow from the area treated to the wellhead, and contact the wellhead). This prohibition was adopted because preemergent herbicides are the primary pesticides that have been found in ground water due to agricultural use.

Preemergent herbicides that have been found in ground water are both mobile and persistent, which are characteristic of pesticides listed in 3CCR section 6800(a) and (b) (the Ground Water Protection List). These herbicides are not allowed to be used within 100 feet of an unprotected well. However, some preemergent herbicides are not listed in 3CCR section 6800 (a) or (b) because they are either not mobile or persistent. Because of this they are considered to have low potential to move offsite to ground water and are allowed to be used within 100 feet of an unprotected well.

For the purposes of the wellhead protection regulation, "preemergent herbicides" means preemergent herbicides that are listed in 3CCR section 6800(a) or (b):

Herbicides on 6800(a) List

Atrazine, Simazine, Bromacil, Diuron, Prometon, Bentazon (Basagran ®), Norflurazon

Herbicides on 6800(b) List

(Examples of Trade names are in bold)

Alachlor **Lasso**

Bensulide **Betasan, Pre-san, Prefar**

Butylate **Sutan**

Chlorsulfuron **Glean, Telar, Corsair**

Cyanazine **Bladex**

Cycloate **Ro-neet**

Dazomet **Busan, Basamid**

2,4-D, dimethylamine salt

Dichlobenil **Casoron**

Diquat dibromide

EPTC **Eptam**

Ethofumesate **Nortron, Prograss**

Hexazinone **Velpar, Pronone**

Imazethapyr **Pursuit**

Isoxaben **Gallery**

Linuron **Lorox, Linex**

Metribuzin **Lexone, Sencor**

Molinate **Ordram**

Napropamide **Devrinol**

Oryzalin **Surflan, Rout, Oryza Ag**

Pebulate **Tillam**

Prometryn **Caparol**

Propyzamide **Kerb, Pronamide**

Pyrazon **Pyramin**

Rimsulfuron

Sulfometuron-methyl **Oust**

Tebuthiuron **Spike**

Examples of preemergent herbicide active ingredients not listed in 3CCR section 6800 that are allowed to be used within 100 feet of an unprotected well include:

Oxyfluorfen **Goal**

Prodiamine **Barricide**

Pendimethalin **Pendulum, Prowl**

Flumioxazin **Chateau, Payload**