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**GROUND WATER PROTECTION REGULATIONS**

**The following applies statewide whenever certain pesticides are used:**

Inside canals and ditch banks:

Use of Atrazines, Simazines, Bromacil, Diuron, Prometon, Bentazon, or Norflurazon is prohibited below the high water line inside unlined canals and ditches, unless the pesticide user can document that the percolation rate of the canal or ditch is 0.2 inches per hour or less OR the pesticide is applied six months before water is run in the canal or ditch.

In artificial recharge basins:

Use of Atrazines, Simazines, Bromacil, Diuron, Prometon, Bentazon, or Norflurazon is prohibited below the high water line unless the pesticide is applied six months or more before the basin is used to recharge ground water.

**The following wellhead protection regulations apply to ALL growers:**

- 1) The following activities are prohibited within 100 feet of a well (including domestic, municipal, agricultural, dry or drainage, monitoring, or abandoned wells):
  - a) Mixing, loading, and storage of pesticides.
  - b) Rinsing of spray equipment or pesticide containers.
  - c) Maintenance of spray equipment that could result in spillage of pesticide residues on the soil.
  - d) Application of pre-emergent herbicides
- 2) Wells are not subject to the requirements in (1) if they are:
  - a) 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
  - b) 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.
- 3) Application of pre-emergent herbicides is prohibited between the berm and the wellhead.

**The following permit conditions apply to uses of Atrazines, Simazines, Bromacil, Diuron, Prometon, Bentazon, or Norflurazon in Ground Water Protection Areas (GWPA's):**

If any one of these materials will be used in a GWPA, the grower needs to utilize a management practice. There are two types of GWPA's: Runoff and Leaching. There are a variety of management practices for each type of GWPA (see list).

**GROUND WATER PROTECTION AREA PERMIT CONDITIONS**

The following regulations apply to uses of Atrazine, Simazine, Bromacil, Diuron, Prometon, Bentazon, or Norflurazon in Ground Water Protection Areas (GWPA’s). If any one of these materials will be used in a GWPA, the grower needs to utilize a management practice.

Permittee will not use Atrazine, Simazine, Bromacil, Diuron, Prometon, Bentazon, or Norflurazon on any of their sites located in a Ground Water Protection Area (GWPA). Permittee will inform the Agriculture Department and obtain a Restricted Material Permit for any of these chemicals prior to their use in a GWPA.

**The following sections are GWPA’s in Solano County:**

- **Runoff:** 5N 1W 2, 10, and 15; 6N 1E 6, 8, 10, 14, 18, 19, 21, 22, and 23; 6N 1W 13 and 36; 7N 1E 4, 5, 10, 23, 25, 32, 33, and 35 (Dixon)
- **Leaching:** 3N 1E 07; 3N 1W 01, 11, 12, and 14; 4N 1E 07; 4N 1W 23, 24, 26, 35 and 36; 4N 2W 01, 11, 13, 14, and 24 (Montezuma Hills)

**Management Practice Options:**

Use of the above pesticides is prohibited unless any one of the following management practices is designated on the permit for each site.

**Runoff**

1. The pesticide shall be applied between April 1 and July 31; or
2. Disturb the soil within 7 days before application (does not apply to the area to be treated that is immediately adjacent to the crop row and that does not exceed 33 percent of the distance between crop rows); or
3. Incorporate the pesticide on at least 90 percent of the area treated within 48 hours after the day of application (does not apply to the area to be treated that is immediately adjacent to the crop row and that does not exceed 33 percent of the distance between crop rows). The pesticide shall be incorporated mechanically or by pressurized irrigation, using ¼ - 1 inch of water that does not cause surface water runoff; or
4. The pesticide shall be applied as a band treatment immediately adjacent to the crop row so that not more than 33 percent of the distance between rows is treated; or
5. Keep water onsite in a storage basin for six months following the application. The retention area on the field shall not have a percolation rate of more than 0.2 inches per hour (5 inches per 24 hours); or
6. Keep water offsite in a storage basin under the control of the permittee, for six months following the application. The retention area on the field shall not have a percolation rate of more than 0.2 inches per hour (5 inches per 24 hours); or
7. Channel runoff onto a fallow field for six months following application, with full consideration of any plant back restrictions.

**Leaching**

1. Do not apply any irrigation water for six months following application of the pesticide; or
2. Irrigation water shall remain at or below the level of the treated area for six months following application of the pesticide; or
3. Irrigate efficiently for six months following application (do not apply more than 133 percent of water required to satisfy evapotranspiration losses).

All sites where these herbicides will be used must be listed below.

PERMITTEE: \_\_\_\_\_

PERMIT NUMBER: \_\_\_\_\_

Site Number(s)  (List all sites, the GWPA Type and the Management Practice Choice)	GWPA Type (Check One)		Management Practice Choice Number
	Runoff	Leaching	

Permittee will not use Atrazine, Simazine, Bromacil, Diuron, Prometon, Bentazon, or Norflurazon on sites located in a Ground Water Protection Area (GWPA) unless that site is listed above. Permittee must obtain a Restricted Material Permit from the Ag Dept for any of these chemicals prior to their use in a GWPA.

Permittee’s Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Issuing Biologist’s Signature: \_\_\_\_\_

Date: \_\_\_\_\_