



Madera County Department of Agriculture Weights and Measures

Rusty Lantsberger, Agricultural Commissioner
Sealer of Weights and Measures

To: Madera County Restricted Material Permit Applicants*

Title 3, of the California Code of Regulations (CCR), section 6426 requires the permit applicant (grower) and his/her pest control adviser to consider alternatives to the use of a California Restricted Material before receiving a restricted materials permit. While this specific requirement is directed at agricultural use, the general requirement to consider alternatives applies to all permits. To determine compliance with this requirement, we are asking you, the permit applicant, to identify the alternatives that you considered.

Title 3, CCR section 6426(a) Alternatives and Mitigation Measures.

Each licensed agricultural pest control adviser and grower, when determining if and when to use a pesticide that requires a permit, shall consider, and if feasible, adopt any reasonable, effective and practical mitigation measure or use any feasible alternative which would substantially lessen any significant adverse impact on the environment.

NOTE: Authority cited: Sections 11456, 14005 and 14102, Food and Agricultural Code.

Reference: Sections 11501 and 14006, Food and Agricultural Code.

What alternatives to the use of California restricted materials have you considered? (Examples on page 2)

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What mitigation measures have you considered? (Examples on page 2)

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Permit name: _____ Permit Number: _____

Grower/Agent name: _____

Date: _____

***Applicant is required to complete and submit a new form when adding additional restricted materials to the permit. This form is considered valid until any changes to restricted materials are made to the permit, either by supplement or renewal.**

EXAMPLES OF ALTERNATIVES (Alternatives to Restricted Materials)

Consider nonchemical alternatives

Beneficial insects/Beneficials release; encourage natural predators/enemies.
Set up owl boxes and raptor perches for vertebrate rodent control.

Learn to recognize common predators such as ladybugs, syrphid flies, and lacewings. If you see them in abundance, you may want to postpone any treatments to see if these natural enemies will solve problems for you.

Mating disruption, Parasitoids, Microscopic Pathogens,
Bacillus Thuringiensis (Bt's)

Sanitation (remove unpicked fruit, mummy nuts, weeds, dead limbs etc.)

Consider Manual Alternatives

Mowing, disking, or hoeing to cut up weeds.

Use of weed burners/Flame weeding

Trapping to control rats, mice, voles, moles, gophers, and some insects.

Cover crop/Mulching to reduce weed growth

Consider the Use of Physical Controls and Exclusion

Fabric row covers exclude insects and birds.

Weed control fabric suppresses weeds.

Consider Cultural Controls

Choose proper plants for the climate.

Choose plants for pest and disease resistance.

EXAMPLES OF MITIGATION (Reducing the adverse effects of Restricted Materials)

Use Less Pesticides

Use pesticides in "spot" treatments, where and when they are needed.

Insect trapping to determine insect pressure.

Use Proper timing; regular monthly or bi-monthly spraying wastes pesticides.

In addition, during many of these treatments, pests may not be present or present in numbers so small that they are causing no problem. For some pests, treatments must be times to coincide with a period in their lives when they are most vulnerable.

Use of preemergent to reduce repeated green sprays of hard to control weeds

Treat weeds when small to use less material.

Use Integrated Pest Management (IPM)

Determining the number of pests that can be tolerated without causing unacceptable damage or annoyance. Pests are treated only when they reach that level.

Use Less Toxic Pesticides

Non-restricted pesticides

Use of Application Technology

Selection of application equipment to minimize drift of restricted materials.

Airplane vs. helicopter vs. ground sprayer should be considered based on the crop, coverage needed and weather conditions.