

Rodenticides, Regulations, & Labels

SANTA BARBARA COUNTY
AGRICULTURAL COMMISSIONER'S
OFFICE

Rodenticide Types

FIRST GENERATION ANTICOAGULANTS
SECOND GENERATION ANTICOAGULANTS
ZINC PHOSPHIDE
STRYCHNINE
ALUMINUM PHOSPHIDE
ASPHYXIATION (SMOKE CARTRIDGES)
NON-ANTICOAGULANT RODENTICIDES (*CHOLECALCIFEROL*)
DEVICES CARBON MONOXIDE

Rodenticides by Regulation

NON-PESTICIDE DEVICES
NON-RESTRICTED PESTICIDES
FEDERALLY RESTRICTED PESTICIDES
STATE RESTRICTED PESTICIDES

Anticoagulant Use in California

DPR reviewed 492 wildlife deaths 1995-2011 73% had residues of at least one 2nd generation. SGARs have longest half life & bioaccumulation can occur because of multiple feedings prior to death.

In 2014 SGARs became state restricted. However, 1st generation rodenticide poisonings increased the following year.

Non Restricted Pesticides

Homeowner formulations of 1st & 2nd generation anticoagulants – pre-pkged

Homeowner formulations of strychnine-small packages

Smoke cartridges

Non-pesticide devices

Federally Restricted Rodenticides

RESTRICTED USE PESTICIDE
Due to Hazards to Non-target Species
For retail sale to and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification.



FEDERALLY RESTRICTED – CERTIFIED APPLICATOR

First generation rodenticides typically takes multiple feedings (DIPHACINONE/CHLOROPHACINONE)

Legal and labeled for use on ag/rangeland

CA State Restricted Rodenticides

STATE RESTRICTED – CERTIFIED APPLICATOR & RM PERMIT FROM CAC

- 2ND GEN ANTI-COAGULANTS NO LONGER LABELED OR LEGAL TO USE TO PROTECT AG/RANGELAND OR CROPS.
- ZINC PHOSPHIDE
- ALUMINUM PHOSPHIDE
- STRYCHNINE



The Restricted Materials Permit and the label are the Law

FAC §12973 The use of any pesticide shall not conflict with labeling registered pursuant to this chapter which is delivered with the pesticide or with any additional limitations applicable to the conditions of any permit issued by the director or commissioner.

Restricted Materials Permit Conditions

NOTICE OF INTENT
REQUIRED 24 HRS
PRIOR TO APPLICATION

Label Interpretations

"Conflict with labeling" means any deviation from instructions, requirements or prohibitions of pesticide product labeling concerning storage, handling or use."

Example:

"*Not permitted for use against the following species in California: Cotton rat, Eastern harvest mouse, Golden mouse, Polynesian rat, Meadow vole, White-throated woodrat, Southern plains woodrat, and Mexican woodrat."

Label Interpretations

MANDATORY AND ADVISORY STATEMENTS

Mandatory statements generally relate to the actions that are necessary to ensure the proper use of the pesticide and to prevent the occurrence of unreasonable adverse effects on the environment, which is defined by statute.

Advisory statements provide information to the product user .

THE COMPLETE LABEL FOR THIS PRODUCT CONSISTS OF THE CONTAINER LABEL AND APPLICATOR'S MANUAL WHICH MUST ACCOMPANY THE PRODUCT. READ AND UNDERSTAND THE ENTIRE LABELING AND APPLICATOR'S MANUAL. ALL PARTS OF THE LABELING AND APPLICATOR'S MANUAL ARE EQUALLY IMPORTANT FOR SAFE AND EFFECTIVE USE OF THE PRODUCT. A FUMIGATION MANAGEMENT PLAN MUST BE WRITTEN FOR ALL FUMIGATIONS PRIOR TO ACTUAL TREATMENT. CONSULT WITH YOUR STATE LEAD PESTICIDE REGULATORY AGENCY TO DETERMINE REGULATORY STATUS, REQUIREMENTS, AND RESTRICTIONS FOR FUMIGATION USE IN THAT STATE. CALL 1-800-438-6071 IF YOU HAVE ANY QUESTIONS OR DO NOT UNDERSTAND ANY PART OF THIS LABELING.

Mandatory Statements

Weevilcide:

"22.10.1 Use Restrictions

"THIS PRODUCT MUST NOT BE APPLIED INTO A BURROW SYSTEM THAT IS WITHIN 100 FEET OF A BUILDING THAT IS, OR MAY BE, OCCUPIED BY HUMANS, AND/OR DOMESTIC ANIMALS ."

Advisory Statements

"Norway rats, roof rats, and house mice may consume a lethal dose in one night's feeding with first dead rodents appearing four or five days after feeding begin."

ENVIRONMENTAL HAZARDS

"This product is extremely toxic to fish, birds and other wildlife. Dogs and predatory and scavenging mammals and birds might be poisoned if they feed upon animals that have eaten this bait."

Signal Words

THE SIGNAL WORD

Is determined by the most severe toxicity category assigned to the five acute toxicity studies.

Toxicity Category I DANGER

Toxicity Category II WARNING

Toxicity Category III CAUTION

Toxicity Category IV..... None

***Signal word is assigned considering manufacturers label restrictions which mitigate risk**

Endangered Species

ENDANGERED SPECIES CONSIDERATION

Notice: The use of this product may pose a hazard to Federally designated endangered/ threatened species. It is a Federal offense to use any pesticide in a manner that results in the death of a member of an endangered species. Consult the nearest U.S. Fish and Wildlife Service regional office or the appropriate State Agency for current information on habitats occupied by endangered species.



Rodenticide Label Interpretations

CO Machine Required Label by CA Law

"DANGER: Carbon monoxide is a poisonous gas that is odorless and colorless. Exposure to carbon monoxide can kill within minutes. Never use in structures inhabited by humans or livestock."

Gas Cartridge Labels

Mandatory:

"Do not use this product near flammable materials or when either the soil or the vegetation in the area to be treated are in extremely dry conditions."

"USE THIS PRODUCT ONLY IN BURROW SYSTEMS KNOWN TO BE IN ACTIVE USE BY THE TARGET SPECIES."

1st Gen Anticoagulant Labels

Ground Squirrel Bait by Wilco **Ag** Mandatory:

"For use... in rangeland and pasture land..."

"Apply this product in secured, tamper-resistant bait stations."

"Do not apply this product by any method not specified on this label. This product may not be broadcast."

2nd Gen Anticoagulant Rodenticides (SGARs)

California Code of Regulations §6471

"It is prohibited to place any above ground bait more than 50 feet from a man-made structure unless there is a feature associated with the site that is harboring or attracting the pests targeted on the label between the 50-foot limit and the placement limit specified on the label."

More restrictive than labels that allow bait to be up to 100 feet from structures

Zinc Phosphide Label

Mandatory:

Rangeland, pastures, and adjacent noncrop areas

Prebaiting (MANDATORY)

Product must not be applied on roads, near residential areas, over water or where plants are grown for food or feed.

BAITING: Do not apply more than once per year to the same treatment area.

NOT TO EXCEED 6 LBS. PER ACRE (0.12 LB. AI/A).



Aluminum Phosphide

Label includes APPLICATOR'S MANUAL and FUMIGANT MANAGEMENT PLAN

"Document any burrows that open under or into occupied buildings, and do not apply to these burrows. In addition, check for any other source through which the gas may enter into occupied buildings as a result of application to burrows."

"When this product is used out-of-doors to a site other than an athletic field or park, the applicator shall post a sign at the application site containing the signal word danger/peligro skull and crossbones, the name and EPA registration number of the fumigant, and a 24-hour emergency response number."



Resources: UC

Resources: CDFA

Resources: SBCAC & C DPR

Questions?