

TEXT OF PROPOSED REGULATIONS

Current wording is indicated by regular type.

Deletions are indicated by ~~strikeout~~.

Additions are indicated by underline.

TITLE 3. CALIFORNIA CODE OF REGULATIONS
DIVISION 6. PESTICIDES AND PEST CONTROL OPERATIONS
CHAPTER 4. ENVIRONMENTAL PROTECTION
SUBCHAPTER 1. GROUNDWATER
ARTICLE 1. PESTICIDE CONTAMINATION PREVENTION

Amend section 6805 to read:

6805. Multivariate Leaching Value and Threshold

(a) If a currently registered active ingredient and/or its degradation product has a multivariate leaching value greater or equal to the multivariate threshold value, the active ingredient will be placed on the Groundwater Protection List specified in section 6800.

(b) The multivariate leaching value will be calculated from the following:

- (1) Median soil adsorption coefficient (Koc)
- (2) Median soil aerobic metabolism half-life (ASM) (days)
- (3) Dipole moment (Debye)
- (4) Energy of the highest occupied molecular orbital (E_{HOMO}) (eV)
- (5) Maximum Electrostatic Potential (MaxElPot) (kJ/mol)

(c) The multivariate leaching value formula is: $1.9349 (\text{Log}_{10} \text{ASM}) - 1.2197 (\text{Log}_{10} \text{Koc}) + 0.1562 (\text{Dipole Moment}) - 0.914 (\text{E}_{\text{HOMO}}) + 2.2728 (\text{Log}_{10} \text{MaxElPot}) = \text{MLV}$

(d) The multivariate threshold value is 14.4706.

NOTE: Authority cited: Sections 11456 and 13145, Food and Agricultural Code. Reference: Sections 13144 and 13145, Food and Agricultural Code.