

**Table C10: Agricultural Drift Cases Reported in California<sup>1</sup> Associated With<sup>2</sup> Pesticide Exposure, Summarized by Application Sites  
2022**

<b>Application Site<sup>3</sup></b>	<b>Number of Episodes<sup>4</sup></b>	<b>Number of Cases<sup>5</sup></b>
<b>FORAGE CROP</b>		
Alfalfa	2	4
<b>FRUITING VEGETABLE</b>		
Peppers	1	3
Tomatoes	1	1
<b>GRAIN</b>		
Rice	1	1
<b>GRAPES</b>		
Grapes	8	10
<b>LEAFY/STEM VEGETABLE</b>		
Lettuce	1	2
<b>MULTIPLE</b>		
Almonds, Ornamental Plants (Other or Unspecified)	1	7
<b>NON-CROP</b>		
Animal Burrows (Vertebrate and Insect Pests)	2	2
Soil	4	192
<b>NUT TREES</b>		
Almonds	7	14
Pistachios	2	6
Walnuts	2	15
<b>OTHER FRUIT</b>		
Dates	1	8
<b>WATER</b>		
Industrial Processing Water	1	1
<b>TOTAL</b>	<b>34</b>	<b>266</b>

**1. Source:** California Department of Pesticide Regulation, Pesticide Illness Surveillance Program.

**2. Associated With:** Includes cases classified as definitely, probably, or possibly related to pesticide exposure.

Definite: High degree of correlation between pattern of exposure and resulting symptomatology. Requires both medical evidence (e.g., measured cholinesterase inhibition, positive allergy tests, characteristic signs observed by medical

professional) and physical evidence of exposure (e.g., environmental and/or biological samples, exposure history) to support the conclusions.

**Probable:** Relatively high degree of correlation exists between the pattern of exposure and the resulting symptomatology. Either medical or physical evidence is inconclusive or unavailable.

**Possible:** Health effects correspond generally to the reported exposure, but evidence is not available to support a Definite or Probable relationship.

**3. Application Sites:** Site of the pesticide application. For crops, this includes applications at the growing site and to the commodity while being packed for sale. For incidents involving drift, the intended application site is listed.

**4. Number of Episodes:** Indicates the number of incidents where agricultural pesticide drift occurred based on the application site.

**5. Number of Cases:** Indicates the number of individuals exposed in one incident of agricultural drift.

**Whom to Contact:**

California Department of Pesticide Regulation

Worker Health and Safety Branch

Physical address: 1001 I St., Sacramento, CA 95814-2828

Mailing address: P.O. Box 4015, Sacramento, CA 95812-4015

Phone: (916) 445-4222; Fax: (916) 322-8577

[www.cdpr.ca.gov](http://www.cdpr.ca.gov)

**About the Pesticide Illness Surveillance Program Data**

Pesticide-related illnesses have been tracked within the state of California for more than 50 years. The California Environmental Protection Agency, Department of Pesticide Regulation (DPR) maintains a surveillance program which records human health effects of pesticide exposure. The Pesticide Illness Surveillance Program (PISP) documents information on adverse effects from pesticide products, whether elicited by the active ingredients, inert ingredients, impurities, or breakdown products. This program maintains a database, which is utilized for evaluating the circumstances of pesticide exposures resulting in illness. This database is consulted regularly by staff who evaluate the effectiveness of the DPR pesticide safety programs and recommend changes when appropriate.