

**Incidents Involving *Field Workers* Reported in California¹ Associated With²
Pesticide Residue Exposure Summarized by Crop and
Type of Illness
2004**

Crop	Systemic/ Respiratory ³		Topical ³		TOTAL
	Definite/ Probable	Possible	Definite/ Probable	Possible	
CITRUS					
Oranges	0	5	0	1	6
CUCURBITS					
Cucumbers	0	0	0	1	1
FIBER CROP					
Cotton	1	1	1	0	3
FORAGE CROP					
Alfalfa	0	1	0	0	1
FRUITING VEGETABLE					
Tomatoes	0	1	0	2	3
GRAPES					
Grapes	0	11	0	13	24
LEAFY/STEM VEGETABLE					
Broccoli	6	3	0	1	10
Cauliflower	0	1	0	0	1
Celery	0	1	0	0	1
Lettuce	4	1	0	0	5
Spinach	1	1	0	0	2
MULTIPLE					
Avocados, Greenhouses (Environs, Benches, Etc.)	2	0	0	0	2
NON-CROP					
Soil	0	1	0	0	1
NUT TREES					
Almonds	0	0	0	1	1
Walnuts	0	0	0	1	1
ORNAMENTAL					
Ornamental Plants (Other or Unspecified)	1	0	0	0	1

Crop	Systemic/ Respiratory ³		Topical ³		TOTAL
	Definite/ Probable	Possible	Definite/ Probable	Possible	
POME FRUIT					
Pears	0	0	0	1	1
SEEDS					
Seeds (Agricultural & Ornamental)	0	0	0	2	2
STONE FRUIT					
Peaches	0	0	0	1	1
VEGETABLE, OTHER					
Onions (Dry)	0	0	0	1	1
TOTAL	15	27	1	25	68

¹ **Source:** California Department of Pesticide Regulation, Pesticide Illness and 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 (such as measured cholinesterase inhibition, positive allergy tests, characteristic signs observed by medical professional) and physical evidence of exposure (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 : Some degree of correlation evident. Medical and physical evidence are inconclusive or unavailable.

³ **Type of Illness:** Categorization of the type of symptoms experienced.

Systemic : Any health effects not limited to the respiratory or skin and/or eye. Cases involving multiple illness symptom types including systemic symptoms are included in the systemic category.

Respiratory : Health effects involving any part of the respiratory tree.

Topical : Health effects involving only the eyes and/or skin. This excludes outward physical signs (miosis and lacrimation) related to effects on internal bodily systems. These signs are classified under 'Systemic.'

Whom to Contact:

California Department of Pesticide Regulation
Worker Health and Safety Branch
Phone: (916) 445-4222.
Physical address: 1001 I St., Sacramento CA 95814-2828.
Mailing address: P.O. Box 4015, Sacramento, CA 95812-4015
Fax: (916) 445-4280
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(s) the effectiveness of the DPR pesticide safety programs and recommend changes when appropriate.