



United States Department of Agriculture  
National Agricultural Statistics Service



# Pacific Region Honey Bee Colonies

Cooperating with the California Department of Food and Agriculture, and Hawaii and Nevada Departments of Agriculture  
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## Colonies, Maximum, Lost, Percent Lost, Added, Renovated, and Percent Renovated with Five or More Colonies Selected States and United States

State	January 1, 2023 colonies	January-March 2023					
		Maximum colonies <sup>1</sup>	Lost colonies	Percent lost <sup>2</sup>	Added colonies	Renovated colonies <sup>3</sup>	Percent renovated <sup>4</sup>
California .....	(number) 1,040,000	(number) 1,330,000	(number) 196,000	(percent) 15	(number) 88,000	(number) 48,000	(percent) 4
United States .....	2,678,250	(X)	373,880	14	384,790	113,440	4
State	April 1, 2023 colonies	April-June 2023					
		Maximum colonies <sup>1</sup>	Lost colonies	Percent lost <sup>2</sup>	Added colonies	Renovated colonies <sup>3</sup>	Percent renovated <sup>4</sup>
California .....	(number) 900,000	(number) 930,000	(number) 52,000	(percent) 6	(number) 131,000	(number) 112,000	(percent) 12
United States .....	2,710,070	(X)	237,350	9	596,360	478,440	18
State	January 1, 2022 colonies	January-March 2022					
		Maximum colonies <sup>1</sup>	Lost colonies	Percent lost <sup>2</sup>	Added colonies	Renovated colonies <sup>3</sup>	Percent renovated <sup>4</sup>
California .....	(number) 1,060,000	(number) 1,520,000	(number) 162,000	(percent) 11	(number) 139,000	(number) 95,000	(percent) 6
United States .....	2,875,670	(X)	331,480	12	368,780	187,380	7
State	April 1, 2022 colonies	April-June 2022					
		Maximum colonies <sup>1</sup>	Lost colonies	Percent lost <sup>2</sup>	Added colonies	Renovated colonies <sup>3</sup>	Percent renovated <sup>4</sup>
California .....	(number) 980,000	(number) 1,040,000	(number) 107,000	(percent) 10	(number) 152,000	(number) 120,000	(percent) 12
United States .....	2,909,290	(X)	363,570	13	573,160	494,890	17
State	July 1, 2022 colonies	July-September 2022					
		Maximum colonies <sup>1</sup>	Lost colonies	Percent lost <sup>2</sup>	Added colonies	Renovated colonies <sup>3</sup>	Percent renovated <sup>4</sup>
California .....	(number) 590,000	(number) 660,000	(number) 24,000	(percent) 4	(number) 11,000	(number) 57,000	(percent) 9
United States .....	3,107,330	(X)	343,880	11	152,640	222,720	7
State	October 1, 2022 colonies	October-December 2022					
		Maximum colonies <sup>1</sup>	Lost colonies	Percent lost <sup>2</sup>	Added colonies	Renovated colonies <sup>3</sup>	Percent renovated <sup>4</sup>
California .....	(number) 660,000	(number) 1,050,000	(number) 60,000	(percent) 6	(number) 30,000	(number) 58,000	(percent) 6
United States .....	2,888,130	(X)	353,910	12	170,280	147,950	5

(X) Not applicable.

<sup>1</sup> 1st of month number of colonies plus all colonies moved into that state during the quarter.

<sup>2</sup> Percent lost is the number of lost colonies divided by maximum colonies except for the United States, where percent lost is the number of lost colonies divided by the 1st of month number of colonies.

<sup>3</sup> Defined as any surviving colony that was requeened or received new honey bees through nuc or package.

<sup>4</sup> Percent renovated is the number of renovated colonies divided by maximum colonies except for the United States, where percent renovated is the number of renovated colonies divided by the 1st of month number of colonies.

## Colony Health Stressors with Five or More Colonies - Selected States and United States

[Percent of colonies affected by stressors anytime during the quarter. A colony may be affected by multiple stressors during the quarter]

State	January-March 2023					
	Varroa mites	Other pests and parasites <sup>1</sup>	Diseases <sup>2</sup>	Pesticides	Other <sup>3</sup>	Unknown
California.....	(percent) 48.7	(percent) 18.2	(percent) 11.3	(percent) 14.1	(percent) 23.0	(percent) 16.7
United States.....	39.7	13.6	7.4	10.1	14.8	11.2
State	April-June 2023					
	Varroa mites	Other pests and parasites <sup>1</sup>	Diseases <sup>2</sup>	Pesticides	Other <sup>3</sup>	Unknown
California.....	(percent) 41.6	(percent) 3.3	(percent) 4.0	(percent) 4.5	(percent) 11.3	(percent) 4.1
United States.....	50.9	13.9	6.5	10.5	13.6	6.0
State	January-March 2022					
	Varroa mites	Other pests and parasites <sup>1</sup>	Diseases <sup>2</sup>	Pesticides	Other <sup>3</sup>	Unknown
California.....	(percent) 29.7	(percent) 7.2	(percent) 3.3	(percent) 5.3	(percent) 3.9	(percent) 4.2
United States.....	36.0	8.8	2.7	7.7	4.8	4.4
State	April-June 2022					
	Varroa mites	Other pests and parasites <sup>1</sup>	Diseases <sup>2</sup>	Pesticides	Other <sup>3</sup>	Unknown
California.....	(percent) 41.1	(percent) 16.2	(percent) 4.8	(percent) 6.6	(percent) 20.3	(percent) 3.7
United States.....	47.5	21.8	4.0	6.8	15.9	3.5
State	July-September 2022					
	Varroa mites	Other pests and parasites <sup>1</sup>	Diseases <sup>2</sup>	Pesticides	Other <sup>3</sup>	Unknown
California.....	(percent) 30.4	(percent) 7.2	(percent) 4.3	(percent) 6.2	(percent) 9.8	(percent) 7.9
United States.....	37.3	11.4	3.4	10.0	9.3	5.2
State	October-December 2022					
	Varroa mites	Other pests and parasites <sup>1</sup>	Diseases <sup>2</sup>	Pesticides	Other <sup>3</sup>	Unknown
California.....	(percent) 48.6	(percent) 24.8	(percent) 18.8	(percent) 19.0	(percent) 27.1	(percent) 3.4
United States.....	44.3	19.8	10.3	12.4	14.2	4.7

<sup>1</sup> Tracheal mites, nosema, hive beetle, wax moths, etc.

<sup>2</sup> Includes American and European foulbrood, chalkbrood, stonebrood, paralysis (acute and chronic), kashmir, deformed wing, sacbrood, IAPV, Lake Sinai II, etc.

<sup>3</sup> Includes weather, starvation, insufficient forage, queen failure, hive damage/destroyed, etc.

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