



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, 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>
	(number)	(number)	(number)	(percent)	(number)	(number)	(percent)
California .....	1,020,000	1,330,000	163,000	12	139,000	95,000	7
Hawaii .....	21,000	21,000	1,600	8	2,600	1,000	5
United States .....	2,875,770	(X)	331,780	12	367,890	187,180	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>
	(number)	(number)	(number)	(percent)	(number)	(number)	(percent)
California .....	980,000	1,030,000	82,000	8	154,000	121,000	12
Hawaii .....	22,000	22,000	420	2	2,200	2,100	10
United States .....	2,921,590	(X)	282,630	10	589,630	492,410	17
State	January 1, 2021 colonies	January-March 2021					
		Maximum colonies <sup>1</sup>	Lost colonies	Percent lost <sup>2</sup>	Added colonies	Renovated colonies <sup>3</sup>	Percent renovated <sup>4</sup>
	(number)	(number)	(number)	(percent)	(number)	(number)	(percent)
California .....	1,180,000	1,600,000	275,000	17	189,000	84,000	5
Hawaii .....	19,500	19,500	800	4	2,300	1,600	8
United States .....	2,903,240	(X)	464,640	16	417,490	157,600	5
State	April 1, 2021 colonies	April-June 2021					
		Maximum colonies <sup>1</sup>	Lost colonies	Percent lost <sup>2</sup>	Added colonies	Renovated colonies <sup>3</sup>	Percent renovated <sup>4</sup>
	(number)	(number)	(number)	(percent)	(number)	(number)	(percent)
California .....	1,090,000	1,060,000	114,000	11	165,000	180,000	17
Hawaii .....	21,000	21,000	490	2	490	1,200	6
United States .....	2,829,520	(X)	352,280	12	665,730	475,750	17
State	July 1, 2021 colonies	July-September 2021					
		Maximum colonies <sup>1</sup>	Lost colonies	Percent lost <sup>2</sup>	Added colonies	Renovated colonies <sup>3</sup>	Percent renovated <sup>4</sup>
	(number)	(number)	(number)	(percent)	(number)	(number)	(percent)
California .....	650,000	680,000	25,000	4	47,000	51,000	8
Hawaii .....	21,000	21,000	1,100	5	100	520	2
United States .....	3,173,390	(X)	295,660	9	194,900	226,820	7
State	October 1, 2021 colonies	October-December 2021					
		Maximum colonies <sup>1</sup>	Lost colonies	Percent lost <sup>2</sup>	Added colonies	Renovated colonies <sup>3</sup>	Percent renovated <sup>4</sup>
	(number)	(number)	(number)	(percent)	(number)	(number)	(percent)
California .....	640,000	1,210,000	50,000	4	15,000	29,000	2
Hawaii .....	20,000	20,000	100	1	1,100	530	3
United States .....	3,091,790	(X)	329,110	11	93,940	146,520	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 2022					
	Varroa mites	Other pests and parasites <sup>1</sup>	Diseases <sup>2</sup>	Pesticides	Other <sup>3</sup>	Unknown
	<i>(percent)</i>	<i>(percent)</i>	<i>(percent)</i>	<i>(percent)</i>	<i>(percent)</i>	<i>(percent)</i>
California.....	29.7	7.2	3.3	5.3	3.9	4.2
Hawaii.....	76.1	76.0	-	-	3.0	-
United States.....	33.7	8.4	2.5	5.8	4.5	4.2
State	April-June 2022					
	Varroa mites	Other pests and parasites <sup>1</sup>	Diseases <sup>2</sup>	Pesticides	Other <sup>3</sup>	Unknown
	<i>(percent)</i>	<i>(percent)</i>	<i>(percent)</i>	<i>(percent)</i>	<i>(percent)</i>	<i>(percent)</i>
California.....	41.1	16.0	4.8	6.7	19.8	3.7
Hawaii.....	63.1	61.2	4.6	-	0.5	(Z)
United States.....	45.2	21.2	3.9	6.7	15.1	3.5
State	January-March 2021					
	Varroa mites	Other pests and parasites <sup>1</sup>	Diseases <sup>2</sup>	Pesticides	Other <sup>3</sup>	Unknown
	<i>(percent)</i>	<i>(percent)</i>	<i>(percent)</i>	<i>(percent)</i>	<i>(percent)</i>	<i>(percent)</i>
California.....	29.9	5.7	1.7	7.2	6.2	3.4
Hawaii.....	53.0	52.2	-	-	4.7	-
United States.....	33.0	8.9	2.3	6.4	6.7	3.4
State	April-June 2021					
	Varroa mites	Other pests and parasites <sup>1</sup>	Diseases <sup>2</sup>	Pesticides	Other <sup>3</sup>	Unknown
	<i>(percent)</i>	<i>(percent)</i>	<i>(percent)</i>	<i>(percent)</i>	<i>(percent)</i>	<i>(percent)</i>
California.....	42.4	11.5	7.7	16.1	11.6	3.8
Hawaii.....	92.6	60.8	-	-	(Z)	(Z)
United States.....	50.7	12.8	5.2	12.4	10.0	3.9
State	July-September 2021					
	Varroa mites	Other pests and parasites <sup>1</sup>	Diseases <sup>2</sup>	Pesticides	Other <sup>3</sup>	Unknown
	<i>(percent)</i>	<i>(percent)</i>	<i>(percent)</i>	<i>(percent)</i>	<i>(percent)</i>	<i>(percent)</i>
California.....	39.6	16.5	14.2	13.0	11.0	5.0
Hawaii.....	29.6	19.0	(Z)	18.0	-	0.9
United States.....	38.0	11.6	5.5	9.2	9.3	4.5
State	October-December 2021					
	Varroa mites	Other pests and parasites <sup>1</sup>	Diseases <sup>2</sup>	Pesticides	Other <sup>3</sup>	Unknown
	<i>(percent)</i>	<i>(percent)</i>	<i>(percent)</i>	<i>(percent)</i>	<i>(percent)</i>	<i>(percent)</i>
California.....	14.6	4.8	3.7	1.9	2.8	2.0
Hawaii.....	66.1	64.2	19.7	-	-	-
United States.....	33.6	10.6	3.9	5.6	5.4	4.7

- Represents zero.

(Z) Less than half of the unit shown.

<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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