



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, 2021 colonies	January-March 2021					
		Maximum colonies ¹	Lost colonies	Percent lost ²	Added colonies	Renovated colonies ³	Percent renovated ⁴
	<i>(number)</i>	<i>(number)</i>	<i>(number)</i>	<i>(percent)</i>	<i>(number)</i>	<i>(number)</i>	<i>(percent)</i>
California	1,240,000	1,550,000	193,000	12	76,000	84,000	5
Hawaii	19,500	19,500	900	5	2,400	1,600	8
United States	2,923,240	(X)	372,630	13	308,530	156,270	5
State	April 1, 2021 colonies	April-June 2021					
		Maximum colonies ¹	Lost colonies	Percent lost ²	Added colonies	Renovated colonies ³	Percent renovated ⁴
	<i>(number)</i>	<i>(number)</i>	<i>(number)</i>	<i>(percent)</i>	<i>(number)</i>	<i>(number)</i>	<i>(percent)</i>
California	1,050,000	1,060,000	64,000	6	200,000	180,000	17
Hawaii	21,000	21,000	630	3	460	1,200	6
United States	2,855,070	(X)	255,860	9	677,690	480,380	17
State	January 1, 2020 colonies	January-March 2020					
		Maximum colonies ¹	Lost colonies	Percent lost ²	Added colonies	Renovated colonies ³	Percent renovated ⁴
	<i>(number)</i>	<i>(number)</i>	<i>(number)</i>	<i>(percent)</i>	<i>(number)</i>	<i>(number)</i>	<i>(percent)</i>
California	1,350,000	1,710,000	230,000	13	240,000	66,000	4
Hawaii	16,000	16,000	1,800	11	1,300	2,200	14
United States	2,876,100	(X)	415,110	14	511,160	153,390	5
State	April 1, 2020 colonies	April-June 2020					
		Maximum colonies ¹	Lost colonies	Percent lost ²	Added colonies	Renovated colonies ³	Percent renovated ⁴
	<i>(number)</i>	<i>(number)</i>	<i>(number)</i>	<i>(percent)</i>	<i>(number)</i>	<i>(number)</i>	<i>(percent)</i>
California	1,200,000	1,200,000	100,000	8	175,000	240,000	20
Hawaii	15,500	15,500	-	-	3,000	2,300	15
United States	2,972,000	(X)	300,990	10	536,170	626,870	21
State	July 1, 2020 colonies	July-September 2020					
		Maximum colonies ¹	Lost colonies	Percent lost ²	Added colonies	Renovated colonies ³	Percent renovated ⁴
	<i>(number)</i>	<i>(number)</i>	<i>(number)</i>	<i>(percent)</i>	<i>(number)</i>	<i>(number)</i>	<i>(percent)</i>
California	640,000	700,000	69,000	10	61,000	108,000	15
Hawaii	18,500	18,500	500	3	4,000	3,400	18
United States	3,175,330	(X)	411,490	13	348,280	381,620	12
State	October 1, 2020 colonies	October-December 2020					
		Maximum colonies ¹	Lost colonies	Percent lost ²	Added colonies	Renovated colonies ³	Percent renovated ⁴
	<i>(number)</i>	<i>(number)</i>	<i>(number)</i>	<i>(percent)</i>	<i>(number)</i>	<i>(number)</i>	<i>(percent)</i>
California	700,000	1,400,000	164,000	12	120,000	58,000	4
Hawaii	22,000	22,000	2,700	12	200	370	2
United States	3,135,340	(X)	484,920	15	271,500	128,990	4

- Represents zero.

(X) Not applicable.

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

² 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.

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

⁴ 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 2021					
	Varroa mites	Other pests and parasites ¹	Diseases ²	Pesticides	Other ³	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.....	49.0	52.2	-	-	4.7	-
United States.....	31.3	8.8	2.2	6.3	6.5	3.3
State	April-June 2021					
	Varroa mites	Other pests and parasites ¹	Diseases ²	Pesticides	Other ³	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.....	93.3	65.3	-	(Z)	(Z)	(Z)
United States.....	48.7	12.8	5.5	12.3	11.3	3.9
State	January-March 2020					
	Varroa mites	Other pests and parasites ¹	Diseases ²	Pesticides	Other ³	Unknown
	<i>(percent)</i>	<i>(percent)</i>	<i>(percent)</i>	<i>(percent)</i>	<i>(percent)</i>	<i>(percent)</i>
California.....	22.4	6.0	5.0	5.3	5.3	4.2
Hawaii.....	75.3	60.8	(Z)	-	(Z)	(Z)
United States.....	25.5	8.0	4.4	5.0	5.6	5.4
State	April-June 2020					
	Varroa mites	Other pests and parasites ¹	Diseases ²	Pesticides	Other ³	Unknown
	<i>(percent)</i>	<i>(percent)</i>	<i>(percent)</i>	<i>(percent)</i>	<i>(percent)</i>	<i>(percent)</i>
California.....	33.6	4.8	3.9	5.5	7.6	3.1
Hawaii.....	43.1	41.1	1.0	-	1.1	-
United States.....	43.1	12.5	5.5	6.2	11.2	5.4
State	July-September 2020					
	Varroa mites	Other pests and parasites ¹	Diseases ²	Pesticides	Other ³	Unknown
	<i>(percent)</i>	<i>(percent)</i>	<i>(percent)</i>	<i>(percent)</i>	<i>(percent)</i>	<i>(percent)</i>
California.....	33.9	11.4	7.3	6.3	8.1	3.6
Hawaii.....	62.7	63.5	(Z)	(Z)	0.5	(Z)
United States.....	55.7	12.8	6.1	21.7	13.8	4.1
State	October-December 2020					
	Varroa mites	Other pests and parasites ¹	Diseases ²	Pesticides	Other ³	Unknown
	<i>(percent)</i>	<i>(percent)</i>	<i>(percent)</i>	<i>(percent)</i>	<i>(percent)</i>	<i>(percent)</i>
California.....	45.5	11.1	7.1	4.8	4.2	4.0
Hawaii.....	57.2	65.2	(Z)	-	2.9	-
United States.....	48.6	11.0	6.8	8.0	4.1	6.3

- Represents zero.

(Z) Less than half of the unit shown.

¹ Tracheal mites, nosema, hive beetle, wax moths, etc.

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

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

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