



Honey Bee Colonies

ISSN: 2470-993X

Released August 1, 2022, by the National Agricultural Statistics Service (NASS), Agricultural Statistics Board, United States Department of Agriculture (USDA).

January 1 Honey Bee colonies Down 1 Percent for Operations with Five or More colonies

Honey bee colonies for operations with five or more colonies in the United States on January 1, 2022 totaled 2.88 million colonies, down 1 percent from January 1, 2021. The number of colonies in the United States on April 1, 2022, was 2.92 million colonies. During 2021, honey bee colonies on January 1, April 1, July 1, and October 1 were 2.90 million, 2.83 million, 3.17 million, and 3.09 million colonies, respectively.

Honey bee colonies lost for operations with five or more colonies from January through March 2022, was 331,780 colonies, or 12 percent. The number of colonies lost during the quarter of April through June 2022, was 282,630 colonies, or 10 percent. During the quarter of January through March 2021, colonies lost totaled 464,640 colonies, or 16 percent, the highest number lost of any quarter surveyed in 2021. The quarter surveyed in 2021 with the lowest number of colonies lost was July through September, with 295,660 colonies lost, or 9 percent.

Honey bee colonies added for operations with five or more colonies from January through March 2022 was 367,890 colonies. The number of colonies added during the quarter of April through June 2022 was 589,630. During the quarter of April through June 2021, the number of colonies added were 665,730 colonies, the highest number of honey bee colonies added for any quarter surveyed in 2021. The quarter of October through December 2021 added 93,940 colonies, the least number of honey bee colonies added for any quarter surveyed in 2021.

Honey bee colonies renovated for operations with five or more colonies from January through March 2022 was 187,180 colonies, or 7 percent. During the quarter of April through June 2022, the number of colonies renovated were 492,410 colonies, or 17 percent. The quarter surveyed in 2021 with the highest number of colonies renovated was April through June 2021 with 475,750 colonies renovated, or 17 percent. The quarter surveyed in 2021 with the lowest number of colonies renovated was October through December 2021, with 146,520, or 5 percent. Renovated colonies are those that were requeened or received new honey bees through a nucleus (nuc) colony or package.

Varroa Mites Top Colony Stressor for Operations with Five or More colonies

Varroa mites were the number one stressor for operations with five or more colonies during all quarters surveyed in 2021. The period with the highest percentage of colonies reported to be affected by varroa mites was April through June 2021 at 50.7 percent. The percent of colonies reported to be affected by varroa mites during January through March 2022 and April through June 2022 are 33.7 percent and 45.2 percent, respectively.

Colonies Lost with Colony Collapse Disorder Symptoms Up 12 Percent for Operations with Five or More colonies

Honey bee colonies lost with Colony Collapse Disorder symptoms on operations with five or more colonies was 86,070 colonies from January through March 2022. This represents a 12 percent increase from the same quarter in 2021.

Contents

Colonies, Maximum, Lost, Percent Lost, Added, Renovated, and Percent Renovated with Five or More Colonies
– States and United States: January 1, 2021 and January-March 2021 3

Colonies, Maximum, Lost, Percent Lost, Added, Renovated, and Percent Renovated with Five or More Colonies
– States and United States: April 1, 2021 and April-June 2021 4

Colonies, Maximum, Lost, Percent Lost, Added, Renovated, and Percent Renovated with Five or More Colonies
– States and United States: July 1, 2021 and July-September 2021 5

Colonies, Maximum, Lost, Percent Lost, Added, Renovated, and Percent Renovated with Five or More Colonies
– States and United States: October 1, 2021 and October-December 2021 6

Colonies, Maximum, Lost, Percent Lost, Added, Renovated, and Percent Renovated with Five or More Colonies
– States and United States: January 1, 2022 and January-March 2022 7

Colonies, Maximum, Lost, Percent Lost, Added, Renovated, and Percent Renovated with Five or More Colonies
– States and United States: April 1, 2022 and April-June 2022 8

Colony Health Stressors with Five or More Colonies – States and United States: January-March 2021 9

Colony Health Stressors with Five or More Colonies – States and United States: April-June 202110

Colony Health Stressors with Five or More Colonies – States and United States: July-September 202111

Colony Health Stressors with Five or More Colonies – States and United States: October-December 202112

Colony Health Stressors with Five or More Colonies – States and United States: January-March 2022.....13

Colony Health Stressors with Five or More Colonies – States and United States: April-June 2022.....14

Colonies Lost with Colony Collapse Disorder Symptoms with Five or More Colonies – United States:
2021 and 202215

Terms and Definitions of Honey Bee Colony Estimates16

Statistical Methodology17

Information Contacts18

Colonies, Maximum, Lost, Percent Lost, Added, Renovated, and Percent Renovated with Five or More Colonies – States and United States: January 1, 2021 and January-March 2021

State	January 1 colonies	January-March					
		Maximum colonies ¹	Lost colonies	Percent lost ²	Added colonies	Renovated colonies ³	Percent renovated ⁴
	(number)	(number)	(number)	(percent)	(number)	(number)	(percent)
Alabama	10,000	10,000	1,100	11	670	200	2
Arizona	28,000	28,000	6,500	23	4,500	4,500	16
Arkansas	21,000	21,000	4,900	23	690	130	1
California	1,180,000	1,600,000	275,000	17	189,000	84,000	5
Colorado	3,000	16,500	700	4	1,000	30	(Z)
Connecticut	4,200	4,200	800	19	400	50	1
Florida	300,000	305,000	31,000	10	47,000	17,000	6
Georgia	120,000	120,000	20,000	17	34,000	14,500	12
Hawaii	19,500	19,500	800	4	2,300	1,600	8
Idaho	167,000	193,000	14,500	8	11,000	9,000	5
Illinois	11,500	13,000	3,000	23	2,500	200	2
Indiana	10,000	11,000	2,600	24	2,400	20	(Z)
Iowa	15,000	26,000	2,100	8	1,100	30	(Z)
Kansas	5,000	8,000	1,400	18	1,000	10	(Z)
Kentucky	11,000	11,000	2,100	19	1,000	80	1
Louisiana	51,000	53,000	7,000	13	3,600	3,000	6
Maine	2,900	2,900	300	10	60	80	3
Maryland	7,000	7,000	1,800	26	1,300	240	3
Massachusetts	5,000	5,000	980	20	30	90	2
Michigan	78,000	78,000	1,500	2	320	4,100	5
Minnesota	61,000	73,000	3,200	4	1,300	140	(Z)
Mississippi	31,000	36,000	5,500	15	14,000	70	(Z)
Missouri	5,500	5,500	900	16	110	40	1
Montana	40,000	51,000	330	1	820	20	(Z)
Nebraska	11,000	18,000	640	4	930	-	-
New Jersey	14,000	14,000	350	3	900	80	1
New Mexico	3,500	5,500	270	5	170	-	-
New York	30,000	30,000	4,900	16	2,600	380	1
North Carolina	18,000	24,000	4,000	17	1,900	110	(Z)
North Dakota	51,000	65,000	180	(Z)	2,700	-	-
Ohio	17,500	17,500	4,000	23	120	20	(Z)
Oklahoma	28,000	28,000	2,600	9	4,100	360	1
Oregon	76,000	80,000	3,100	4	1,600	610	1
Pennsylvania	23,000	24,000	5,500	23	1,100	40	(Z)
South Carolina	15,500	18,000	1,200	7	930	190	1
South Dakota	28,000	34,000	450	1	-	-	-
Tennessee	12,000	13,500	2,200	16	460	310	2
Texas	240,000	355,000	30,000	8	61,000	13,500	4
Utah	17,500	19,500	2,600	13	2,700	-	-
Vermont	7,500	7,500	1,300	17	700	70	1
Virginia	7,500	7,500	1,400	19	1,800	50	1
Washington	48,000	70,000	5,500	8	9,500	850	1
West Virginia	7,000	9,000	1,200	13	200	460	5
Wisconsin	42,000	44,000	2,500	6	230	170	(Z)
Wyoming	13,000	14,500	2,200	15	3,000	1,200	8
Other States ⁵	6,640	6,640	540	8	750	70	1
United States	2,903,240	(X)	464,640	16	417,490	157,600	5

- Represents zero.

(X) Not applicable.

(Z) Less than half of the unit shown.

¹ January 1 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 January 1 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 January 1 colonies.

⁵ Includes data for States not published in this table.

Colonies, Maximum, Lost, Percent Lost, Added, Renovated, and Percent Renovated with Five or More Colonies – States and United States: April 1, 2021 and April-June 2021

State	April 1 colonies	April-June					
		Maximum colonies ¹	Lost colonies	Percent lost ²	Added colonies	Renovated colonies ³	Percent renovated ⁴
	(number)	(number)	(number)	(percent)	(number)	(number)	(percent)
Alabama	9,500	9,500	2,700	28	3,400	930	10
Arizona	26,000	26,000	4,300	17	12,000	3,700	14
Arkansas	12,500	12,500	1,600	13	9,000	5,500	44
California	1,090,000	1,060,000	114,000	11	165,000	180,000	17
Colorado	17,000	25,000	8,500	34	6,000	1,100	4
Connecticut	3,800	4,000	60	2	1,100	340	9
Florida	280,000	300,000	33,000	11	53,000	31,000	10
Georgia	134,000	135,000	21,000	16	25,000	18,500	14
Hawaii	21,000	21,000	490	2	490	1,200	6
Idaho	86,000	120,000	19,500	16	40,000	19,000	16
Illinois	12,500	13,000	1,100	8	3,700	2,100	16
Indiana	11,000	13,000	560	4	4,000	1,000	8
Iowa	25,000	29,000	2,200	8	11,000	3,900	13
Kansas	7,500	8,000	1,900	24	4,800	1,600	20
Kentucky	10,000	11,500	270	2	2,100	4,500	39
Louisiana	29,000	29,000	2,300	8	8,000	2,000	7
Maine	2,200	18,000	1,100	6	430	260	1
Maryland	6,500	7,500	320	4	2,600	690	9
Massachusetts	3,700	12,000	810	7	2,000	310	3
Michigan	74,000	112,000	3,500	3	10,000	8,000	7
Minnesota	69,000	98,000	5,500	6	29,000	4,000	4
Mississippi	34,000	35,000	4,600	13	9,500	8,000	23
Missouri	4,800	4,800	670	14	2,300	670	14
Montana	38,000	116,000	3,200	3	13,500	15,500	13
Nebraska	18,500	37,000	1,800	5	9,000	810	2
New Jersey	14,500	19,500	410	2	1,400	140	1
New Mexico	5,500	5,500	670	12	560	2,300	42
New York	28,000	50,000	3,000	6	15,000	4,100	8
North Carolina	22,000	23,000	1,700	7	6,000	3,300	14
North Dakota	42,000	495,000	6,000	1	11,500	3,600	1
Ohio	13,000	13,500	820	6	8,000	2,400	18
Oklahoma	17,000	17,000	3,600	21	4,200	190	1
Oregon	60,000	108,000	3,300	3	25,000	19,500	18
Pennsylvania	20,000	23,000	2,000	9	7,000	2,700	12
South Carolina	18,000	19,000	1,700	9	4,200	4,900	26
South Dakota	16,500	210,000	7,000	3	39,000	19,000	9
Tennessee	12,000	12,000	720	6	4,800	3,400	28
Texas	365,000	425,000	74,000	17	67,000	72,000	17
Utah	20,000	31,000	3,800	12	9,500	3,700	12
Vermont	7,000	7,000	40	1	770	570	8
Virginia	8,000	8,500	530	6	3,100	820	10
Washington	66,000	122,000	2,900	2	9,500	2,600	2
West Virginia	8,000	9,000	170	2	1,900	390	4
Wisconsin	42,000	57,000	2,100	4	10,000	7,500	13
Wyoming	13,500	30,000	2,700	9	7,500	4,900	16
Other States ⁵	6,020	8,460	140	2	2,880	3,130	37
United States	2,829,520	(X)	352,280	12	665,730	475,750	17

(X) Not applicable.

¹ April 1 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 April 1 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 April 1 colonies.

⁵ Includes data for States not published in this table.

Colonies, Maximum, Lost, Percent Lost, Added, Renovated, and Percent Renovated with Five or More Colonies – States and United States: July 1, 2021 and July-September 2021

State	July 1 colonies	July-September					
		Maximum colonies ¹	Lost colonies	Percent lost ²	Added colonies	Renovated colonies ³	Percent Renovated ⁴
	(number)	(number)	(number)	(percent)	(number)	(number)	(percent)
Alabama	9,500	9,500	1,400	15	950	280	3
Arizona	31,000	31,000	6,500	21	2,000	2,300	7
Arkansas	20,000	20,000	1,800	9	2,400	1,700	9
California	650,000	680,000	25,000	4	47,000	51,000	8
Colorado	22,000	22,000	1,700	8	1,500	750	3
Connecticut	4,200	4,200	120	3	140	170	4
Florida	235,000	255,000	39,000	15	34,000	27,000	11
Georgia	116,000	123,000	22,000	18	28,000	35,000	28
Hawaii	21,000	21,000	1,100	5	100	520	2
Idaho	86,000	135,000	3,500	3	7,000	3,000	2
Illinois	14,500	14,500	680	5	640	1,200	8
Indiana	16,500	16,500	1,700	10	770	1,400	8
Iowa	37,000	54,000	4,500	8	1,000	130	(Z)
Kansas	9,000	9,000	1,600	18	500	1,300	14
Kentucky	10,500	10,500	1,100	10	900	740	7
Louisiana	29,000	31,000	2,300	7	1,300	2,800	9
Maine	10,000	10,000	1,400	14	380	210	2
Maryland	6,000	6,000	490	8	300	170	3
Massachusetts	13,000	13,000	1,100	8	1,700	1,200	9
Michigan	120,000	120,000	8,500	7	7,500	4,800	4
Minnesota	106,000	106,000	7,000	7	5,000	1,300	1
Mississippi	18,500	18,500	1,900	10	770	310	2
Missouri	6,500	7,000	480	7	420	900	13
Montana	103,000	114,000	6,000	5	870	7,500	7
Nebraska	45,000	49,000	6,000	12	1,200	1,800	4
New Jersey	19,500	19,500	400	2	390	480	2
New Mexico	5,500	5,500	30	1	40	130	2
New York	62,000	67,000	5,500	8	2,200	5,000	7
North Carolina	23,000	25,000	3,000	12	3,800	2,200	9
North Dakota	510,000	580,000	67,000	12	7,500	14,500	3
Ohio	21,000	21,000	1,700	8	1,300	4,100	20
Oklahoma	3,300	3,300	260	8	340	20	1
Oregon	130,000	132,000	14,000	11	9,000	13,500	10
Pennsylvania	25,000	28,000	1,600	6	740	980	4
South Carolina	17,000	20,000	2,200	11	2,500	460	2
South Dakota	230,000	235,000	29,000	12	7,000	3,100	1
Tennessee	13,500	15,500	1,100	7	850	740	5
Texas	138,000	144,000	4,000	3	3,100	6,000	4
Utah	37,000	37,000	2,900	8	2,200	1,900	5
Vermont	7,000	7,000	10	(Z)	310	100	1
Virginia	10,500	10,500	890	8	530	750	7
Washington	72,000	79,000	4,900	6	4,300	15,500	20
West Virginia	8,000	8,000	570	7	320	220	3
Wisconsin	66,000	66,000	7,000	11	1,500	4,300	7
Wyoming	27,000	36,000	2,200	6	430	3,900	11
Other States ⁵	8,890	10,990	530	5	210	1,460	13
United States	3,173,390	(X)	295,660	9	194,900	226,820	7

(X) Not applicable.

(Z) Less than half of the unit shown.

¹ July 1 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 July 1 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 July 1 colonies.

⁵ Includes data for States not published in this table.

Colonies, Maximum, Lost, Percent Lost, Added, Renovated, and Percent Renovated with Five or More Colonies – States and United States: October 1, 2021 and October-December 2021

State	October 1 colonies	October-December					
		Maximum colonies ¹	Lost colonies	Percent lost ²	Added colonies	Renovated colonies ³	Percent renovated ⁴
	(number)	(number)	(number)	(percent)	(number)	(number)	(percent)
Alabama	9,000	9,000	1,100	12	360	10	(Z)
Arizona	23,000	23,000	5,500	24	7,500	-	-
Arkansas	18,000	18,000	480	3	920	100	1
California	640,000	1,210,000	50,000	4	15,000	29,000	2
Colorado	12,000	13,000	1,600	12	200	-	(Z)
Connecticut	4,000	4,000	180	5	140	130	3
Florida	255,000	310,000	38,000	12	20,000	11,000	4
Georgia	131,000	132,000	24,000	18	12,500	12,000	9
Hawaii	20,000	20,000	100	1	1,100	530	3
Idaho	141,000	230,000	22,000	10	250	4,300	2
Illinois	12,500	12,500	1,300	10	180	810	6
Indiana	14,500	14,500	1,700	12	130	2,400	17
Iowa	51,000	51,000	4,000	8	170	90	(Z)
Kansas	8,000	8,000	2,100	26	140	50	1
Kentucky	10,500	10,500	880	8	120	460	4
Louisiana	30,000	36,000	2,800	8	1,400	1,300	4
Maine	5,500	5,500	700	13	70	160	3
Maryland	5,500	6,000	720	12	1,200	-	-
Massachusetts	10,500	10,500	290	3	20	50	(Z)
Michigan	105,000	105,000	6,000	6	140	2,200	2
Minnesota	100,000	100,000	10,500	11	4,900	350	(Z)
Mississippi	15,500	23,000	3,000	13	30	240	1
Missouri	6,000	7,500	590	8	190	120	2
Montana	92,000	102,000	17,000	17	3,200	8,000	8
Nebraska	43,000	43,000	7,500	17	10	250	1
New Jersey	19,500	19,500	430	2	350	-	-
New Mexico	5,500	5,500	1,900	35	2,000	-	-
New York	65,000	66,000	21,000	32	440	26,000	39
North Carolina	21,000	22,000	2,100	10	260	360	2
North Dakota	485,000	485,000	27,000	6	11,000	8,000	2
Ohio	13,500	17,000	1,600	9	300	460	3
Oklahoma	3,300	21,000	1,400	7	230	950	5
Oregon	103,000	103,000	10,500	10	680	29,000	28
Pennsylvania	26,000	26,000	2,400	9	250	150	1
South Carolina	20,000	21,000	3,200	15	70	150	1
South Dakota	190,000	190,000	11,500	6	1,400	120	(Z)
Tennessee	15,500	15,500	1,400	9	20	1,200	8
Texas	146,000	290,000	23,000	8	2,100	1,700	1
Utah	37,000	37,000	3,200	9	1,500	1,400	4
Vermont	7,000	7,000	40	1	-	50	1
Virginia	8,500	8,500	930	11	160	210	2
Washington	79,000	83,000	6,500	8	1,400	2,300	3
West Virginia	7,500	7,500	560	7	10	100	1
Wisconsin	47,000	47,000	5,500	12	1,100	150	(Z)
Wyoming	21,000	22,000	2,400	11	660	560	3
Other States ⁵	8,990	8,990	510	6	140	110	1
United States	3,091,790	(X)	329,110	11	93,940	146,520	5

- Represents zero.

(X) Not applicable.

(Z) Less than half of the unit shown.

¹ October 1 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 October 1 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 October 1 colonies.

⁵ Includes data for States not published in this table.

Colonies, Maximum, Lost, Percent Lost, Added, Renovated, and Percent Renovated with Five or More Colonies – States and United States: January 1, 2022 and January-March 2022

State	January 1 colonies	January-March					
		Maximum colonies ¹	Lost colonies	Percent lost ²	Added colonies	Renovated colonies ³	Percent renovated ⁴
	(number)	(number)	(number)	(percent)	(number)	(number)	(percent)
Alabama	8,000	11,500	1,100	10	1,600	520	5
Arizona	25,000	28,000	2,300	8	4,700	10	(Z)
Arkansas	18,500	21,000	2,600	12	780	20	(Z)
California	1,020,000	1,330,000	163,000	12	139,000	95,000	7
Colorado	3,800	8,500	540	6	-	10	(Z)
Connecticut	4,000	4,000	420	11	500	170	4
Florida	295,000	295,000	24,000	8	50,000	13,500	5
Georgia	118,000	119,000	14,000	12	26,000	18,000	15
Hawaii	21,000	21,000	1,600	8	2,600	1,000	5
Idaho	194,000	215,000	8,000	4	7,500	1,000	(Z)
Illinois	11,500	11,500	2,200	19	900	140	1
Indiana	11,000	11,000	2,900	26	130	30	(Z)
Iowa	26,000	29,000	2,800	10	610	30	(Z)
Kansas	5,000	5,000	520	10	140	60	1
Kentucky	8,500	9,500	1,300	14	50	160	2
Louisiana	35,000	42,000	6,000	14	7,000	2,200	5
Maine	3,100	7,000	340	5	300	120	2
Maryland	6,500	7,500	1,900	25	1,800	1,000	13
Massachusetts	6,000	6,000	950	16	350	510	9
Michigan	66,000	77,000	4,500	6	1,400	2,500	3
Minnesota	95,000	98,000	1,500	2	6,000	80	(Z)
Mississippi	20,000	38,000	3,300	9	12,000	2,100	6
Missouri	7,000	11,000	730	7	310	570	5
Montana	45,000	54,000	300	1	30	-	(Z)
Nebraska	24,000	30,000	840	3	30	-	-
New Jersey	15,000	15,000	550	4	1,500	30	(Z)
New Mexico	5,500	8,000	1,900	24	1,000	-	-
New York	44,000	44,000	5,500	13	370	730	2
North Carolina	20,000	24,000	2,300	10	3,100	520	2
North Dakota	75,000	89,000	120	(Z)	300	-	-
Ohio	16,000	16,000	1,800	11	30	530	3
Oklahoma	20,000	20,000	3,000	15	50	3,500	18
Oregon	92,000	95,000	5,000	5	2,400	310	(Z)
Pennsylvania	23,000	25,000	2,800	11	470	360	1
South Carolina	17,000	20,000	2,500	13	4,500	830	4
South Dakota	21,000	28,000	1,000	4	40	-	-
Tennessee	10,500	10,500	2,300	22	1,300	200	2
Texas	270,000	400,000	37,000	9	80,000	34,000	9
Utah	28,000	32,000	4,100	13	4,600	740	2
Vermont	7,000	8,000	380	5	-	-	-
Virginia	7,500	10,000	1,700	17	940	200	2
Washington	70,000	102,000	7,500	7	1,400	6,000	6
West Virginia	5,500	5,500	1,000	18	420	200	4
Wisconsin	39,000	53,000	2,800	5	1,400	240	(Z)
Wyoming	6,000	8,000	180	2	20	-	-
Other States ⁵	6,870	7,230	710	10	320	60	1
United States	2,875,770	(X)	331,780	12	367,890	187,180	7

- Represents zero.

(X) Not applicable.

(Z) Less than half of the unit shown.

¹ January 1 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 January 1 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 January 1 colonies.

⁵ Includes data for States not published in this table.

Colonies, Maximum, Lost, Percent Lost, Added, Renovated, and Percent Renovated with Five or More Colonies – States and United States: April 1, 2022 and April-June 2022

State	April 1 colonies	April-June					
		Maximum colonies ¹	Lost colonies	Percent lost ²	Added colonies	Renovated colonies ³	Percent renovated ⁴
	(number)	(number)	(number)	(percent)	(number)	(number)	(percent)
Alabama	12,000	12,000	1,300	11	4,600	1,900	16
Arizona	31,000	32,000	3,100	10	17,500	2,800	9
Arkansas	19,000	22,000	2,800	13	5,000	1,100	5
California	980,000	1,030,000	82,000	8	154,000	121,000	12
Colorado	8,000	19,500	1,400	7	7,500	2,300	12
Connecticut	4,100	4,100	30	1	130	30	1
Florida	290,000	300,000	34,000	11	40,000	39,000	13
Georgia	132,000	134,000	25,000	19	27,000	47,000	35
Hawaii	22,000	22,000	420	2	2,200	2,100	10
Idaho	103,000	111,000	14,500	13	35,000	8,500	8
Illinois	9,000	9,500	1,100	12	4,300	2,100	22
Indiana	8,000	10,000	1,600	16	5,500	620	6
Iowa	27,000	28,000	2,300	8	5,000	2,400	9
Kansas	4,600	4,900	650	13	6,000	580	12
Kentucky	6,500	10,500	610	6	3,600	460	4
Louisiana	43,000	43,000	1,900	4	8,500	11,500	27
Maine	7,000	19,000	890	5	1,300	300	2
Maryland	7,500	8,500	390	5	1,600	1,100	13
Massachusetts	5,500	14,000	290	2	1,200	910	7
Michigan	74,000	90,000	3,200	4	13,000	3,500	4
Minnesota	102,000	110,000	1,500	1	6,000	2,000	2
Mississippi	46,000	47,000	4,000	9	16,000	7,000	15
Missouri	10,500	10,500	1,500	14	6,000	4,800	46
Montana	38,000	102,000	970	1	5,500	8,000	8
Nebraska	19,000	45,000	2,400	5	8,000	5,000	11
New Jersey	16,000	19,000	140	1	2,600	70	(Z)
New Mexico	7,000	7,000	1,600	23	4,200	2,200	31
New York	35,000	53,000	2,000	4	6,000	4,400	8
North Carolina	25,000	30,000	1,200	4	7,500	3,300	11
North Dakota	90,000	455,000	16,500	4	12,000	9,000	2
Ohio	14,500	14,500	400	3	4,300	1,200	8
Oklahoma	12,500	20,000	1,100	6	10,500	2,100	11
Oregon	94,000	96,000	4,200	4	12,500	19,500	20
Pennsylvania	23,000	24,000	730	3	7,000	2,300	10
South Carolina	22,000	23,000	2,500	11	3,500	3,200	14
South Dakota	13,500	184,000	4,100	2	2,100	19,000	10
Tennessee	9,500	11,500	4,400	38	9,000	1,200	10
Texas	345,000	415,000	41,000	10	83,000	114,000	27
Utah	23,000	29,000	4,300	15	8,500	5,000	17
Vermont	7,500	8,500	150	2	3,300	160	2
Virginia	9,000	10,500	580	6	2,900	680	6
Washington	97,000	109,000	6,000	6	12,500	23,000	21
West Virginia	5,000	7,500	260	3	2,400	2,600	35
Wisconsin	52,000	62,000	1,600	3	6,000	1,300	2
Wyoming	8,000	23,000	1,900	8	4,500	1,800	8
Other States ⁵	4,390	4,690	120	3	900	400	9
United States	2,921,590	(X)	282,630	10	589,630	492,410	17

(X) Not applicable.

(Z) Less than half of the unit shown.

¹ April 1 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 April 1 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 April 1 number of colonies.

⁵ Includes data for States not published in this table.

Colony Health Stressors with Five or More Colonies – States and United States: January-March 2021

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

State	Varroa mites	Other pests and parasites ¹	Diseases ²	Pesticides	Other ³	Unknown
	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)
Alabama	52.2	30.3	-	(Z)	3.1	4.0
Arizona	6.7	6.1	6.0	-	0.5	3.8
Arkansas	27.2	18.3	(Z)	13.2	3.8	2.5
California	29.9	5.7	1.7	7.2	6.2	3.4
Colorado	7.9	-	-	-	1.0	7.0
Connecticut	17.8	3.5	-	0.5	1.6	1.0
Florida	34.6	11.9	5.6	6.6	6.3	3.4
Georgia	47.9	14.4	8.9	1.5	4.1	4.6
Hawaii	53.0	52.2	-	-	4.7	-
Idaho	30.0	9.9	-	8.9	1.6	1.5
Illinois	28.8	12.9	1.6	1.3	17.9	9.4
Indiana	34.1	5.4	-	0.7	4.8	4.4
Iowa	18.9	0.7	(Z)	3.7	7.8	3.8
Kansas	25.7	2.8	-	-	19.1	2.2
Kentucky	27.5	16.9	(Z)	-	5.1	9.3
Louisiana	62.1	3.8	-	1.6	10.0	1.1
Maine	7.2	2.6	(Z)	-	2.2	2.1
Maryland	34.6	1.1	-	(Z)	19.7	2.7
Massachusetts	28.9	3.6	1.0	0.5	7.8	4.5
Michigan	2.3	(Z)	(Z)	(Z)	0.7	1.6
Minnesota	6.3	0.6	-	2.5	2.8	(Z)
Mississippi	19.7	3.8	-	1.0	15.5	4.7
Missouri	16.6	5.6	(Z)	0.8	13.1	5.3
Montana	15.0	-	-	-	(Z)	(Z)
Nebraska	11.0	(Z)	(Z)	1.5	1.7	0.7
New Jersey	18.7	1.5	1.0	1.3	1.2	0.8
New Mexico	14.2	(Z)	-	-	6.5	1.9
New York	15.0	3.9	0.6	0.5	5.7	4.8
North Carolina	23.5	7.2	(Z)	(Z)	0.6	0.5
North Dakota	12.0	0.5	1.0	(Z)	1.5	(Z)
Ohio	26.6	14.4	2.9	2.0	8.2	4.9
Oklahoma	7.6	(Z)	-	(Z)	4.2	2.0
Oregon	12.8	10.7	1.4	(Z)	1.2	0.6
Pennsylvania	18.1	11.6	(Z)	-	6.8	8.6
South Carolina	48.5	10.1	(Z)	3.2	4.1	0.9
South Dakota	8.6	-	-	(Z)	(Z)	0.8
Tennessee	34.4	5.2	1.4	0.8	2.6	8.9
Texas	17.7	13.0	1.5	5.8	7.4	(Z)
Utah	45.4	0.9	-	2.4	1.0	6.3
Vermont	21.1	(Z)	3.7	-	10.1	(Z)
Virginia	11.9	1.0	-	1.9	3.9	4.9
Washington	14.8	2.3	1.0	(Z)	4.5	(Z)
West Virginia	13.6	3.3	0.7	2.6	1.2	3.1
Wisconsin	16.1	(Z)	(Z)	(Z)	3.6	3.2
Wyoming	8.4	(Z)	(Z)	-	3.3	7.9
Other States ⁴	19.4	1.2	4.1	(Z)	6.6	1.1
United States	33.0	8.9	2.3	6.4	6.7	3.4

- Represents zero.

(Z) Less than half of the unit shown.

¹ Tracheal mites, noseema, 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.

⁴ Includes data for States not published in this table.

Colony Health Stressors with Five or More Colonies – States and United States: April-June 2021

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

State	Varroa mites	Other pests and parasites ¹	Diseases ²	Pesticides	Other ³	Unknown
	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)
Alabama	55.2	35.0	0.5	2.1	5.8	7.4
Arizona	7.4	-	3.6	1.2	7.1	6.9
Arkansas	42.2	21.9	5.7	2.8	2.0	3.6
California	42.4	11.5	7.7	16.1	11.6	3.8
Colorado	56.1	(Z)	-	(Z)	0.5	2.9
Connecticut	16.5	6.0	0.1	(Z)	1.0	-
Florida	43.4	22.9	4.3	10.1	6.4	7.7
Georgia	44.7	13.8	5.2	2.8	5.2	5.8
Hawaii	92.6	60.8	-	-	(Z)	(Z)
Idaho	31.9	1.9	5.4	9.9	2.0	6.2
Illinois	32.5	4.5	1.6	3.5	4.1	7.4
Indiana	22.8	7.3	0.6	7.0	6.1	1.3
Iowa	13.7	2.5	1.2	0.8	2.6	8.2
Kansas	47.8	21.6	7.2	8.6	1.5	6.5
Kentucky	21.5	4.0	1.0	2.2	4.2	2.6
Louisiana	29.1	3.7	(Z)	(Z)	10.6	0.9
Maine	13.9	-	(Z)	-	1.5	-
Maryland	17.2	8.9	(Z)	0.6	2.0	1.4
Massachusetts	45.5	34.3	(Z)	34.0	(Z)	-
Michigan	44.8	2.7	0.8	3.5	0.8	(Z)
Minnesota	13.1	-	(Z)	12.8	1.1	1.1
Mississippi	46.7	11.3	3.2	0.5	3.2	9.9
Missouri	21.9	8.8	1.8	0.9	8.3	4.8
Montana	20.8	-	1.5	13.3	5.2	3.0
Nebraska	17.3	(Z)	(Z)	7.4	3.2	1.3
New Jersey	11.8	5.5	-	2.6	1.8	1.3
New Mexico	60.0	1.2	1.3	2.5	-	(Z)
New York	35.8	3.9	0.5	1.7	2.3	3.5
North Carolina	35.8	3.5	(Z)	(Z)	(Z)	(Z)
North Dakota	29.2	0.7	(Z)	(Z)	2.0	(Z)
Ohio	62.1	37.8	6.6	4.1	7.1	3.1
Oklahoma	3.1	2.1	(Z)	(Z)	7.0	1.0
Oregon	17.2	8.3	6.2	10.1	6.5	1.8
Pennsylvania	21.4	5.0	1.4	2.6	1.2	0.5
South Carolina	48.4	32.7	2.1	(Z)	9.1	5.0
South Dakota	49.4	12.0	3.6	4.2	27.3	0.7
Tennessee	22.4	10.3	(Z)	2.4	3.1	(Z)
Texas	38.1	3.4	-	11.5	5.7	(Z)
Utah	40.0	25.7	10.3	18.7	(Z)	1.4
Vermont	28.1	0.8	0.5	-	1.5	-
Virginia	13.3	6.3	3.6	2.1	2.7	3.7
Washington	31.7	19.1	8.4	1.2	4.7	(Z)
West Virginia	5.2	3.9	1.1	-	1.0	2.2
Wisconsin	26.1	19.3	1.2	15.1	1.1	2.2
Wyoming	8.3	0.9	-	6.9	1.5	2.4
Other States ⁴	42.8	(Z)	(Z)	4.6	5.7	4.7
United States	50.7	12.8	5.2	12.4	10.0	3.9

- Represents zero.

(Z) Less than half of the unit shown.

¹ Tracheal mites, noseema, 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.

⁴ Includes data for States not published in this table.

Colony Health Stressors with Five or More Colonies – States and United States: July-September 2021

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

State	Varroa mites	Other pests and parasites ¹	Diseases ²	Pesticides	Other ³	Unknown
	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)
Alabama	37.4	25.9	0.9	11.0	16.3	1.9
Arizona	20.3	1.5	0.7	6.6	5.4	10.6
Arkansas	42.3	32.9	3.2	30.6	5.8	4.9
California	39.6	16.5	14.2	13.0	11.0	5.0
Colorado	7.8	(Z)	2.9	-	6.4	0.8
Connecticut	16.4	0.8	0.7	3.9	2.4	5.9
Florida	43.4	20.5	7.1	14.1	11.4	8.7
Georgia	63.9	32.2	4.8	12.0	13.4	7.6
Hawaii	29.6	19.0	(Z)	18.0	-	0.9
Idaho	55.2	1.8	2.6	7.0	7.0	1.5
Illinois	37.7	9.5	1.4	3.3	4.4	5.7
Indiana	39.3	23.7	5.2	17.4	1.9	2.3
Iowa	7.5	1.6	2.8	5.9	(Z)	2.2
Kansas	66.8	31.1	10.1	14.9	17.7	14.7
Kentucky	39.4	18.2	0.6	(Z)	1.2	11.0
Louisiana	8.0	2.3	-	-	0.6	6.0
Maine	18.7	-	(Z)	5.0	17.0	-
Maryland	20.0	13.6	(Z)	0.5	0.7	1.5
Massachusetts	23.0	8.7	0.6	1.5	0.5	4.5
Michigan	63.5	4.2	(Z)	17.0	2.7	0.8
Minnesota	27.5	1.1	(Z)	10.5	2.3	1.8
Mississippi	25.3	1.1	1.3	(Z)	3.0	7.8
Missouri	24.0	14.4	(Z)	1.3	2.1	8.7
Montana	19.5	1.5	1.2	(Z)	14.8	0.5
Nebraska	13.7	(Z)	(Z)	1.8	3.2	1.8
New Jersey	10.7	4.9	(Z)	1.8	0.7	1.9
New Mexico	22.5	4.4	1.1	-	-	-
New York	37.7	14.1	3.0	5.6	11.8	11.2
North Carolina	29.3	10.4	0.9	(Z)	6.6	1.0
North Dakota	31.7	6.1	2.2	4.1	7.0	5.5
Ohio	78.7	49.9	0.7	23.0	8.2	4.1
Oklahoma	14.5	9.4	0.5	(Z)	6.2	1.4
Oregon	39.4	8.4	3.4	10.9	9.6	1.3
Pennsylvania	40.5	15.3	1.0	2.6	4.2	3.8
South Carolina	15.8	5.3	2.8	1.3	4.3	3.2
South Dakota	18.3	4.6	1.1	3.9	14.1	1.3
Tennessee	16.0	11.6	(Z)	0.7	1.8	(Z)
Texas	20.2	6.0	0.5	4.4	4.4	0.5
Utah	40.0	(Z)	(Z)	3.9	1.9	0.5
Vermont	25.4	3.0	1.5	-	1.6	0.6
Virginia	19.2	12.1	0.9	0.8	4.6	1.9
Washington	34.3	2.2	4.9	2.3	12.7	1.6
West Virginia	24.7	15.1	10.2	9.9	2.8	1.2
Wisconsin	56.0	36.8	20.3	31.2	15.3	8.0
Wyoming	4.7	(Z)	(Z)	0.5	0.8	0.8
Other States ⁴	31.7	10.9	(Z)	11.0	4.6	2.2
United States	38.0	11.6	5.5	9.2	9.3	4.5

- 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.

⁴ Includes data for States not published in this table.

Colony Health Stressors with Five or More Colonies – States and United States: October-December 2021

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

State	Varroa mites	Other pests and parasites ¹	Diseases ²	Pesticides	Other ³	Unknown
	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)
Alabama	60.8	44.7	3.5	6.8	2.5	1.4
Arizona	67.2	35.2	(Z)	3.3	1.8	0.9
Arkansas	35.7	28.2	-	25.6	0.6	0.7
California	14.6	4.8	3.7	1.9	2.8	2.0
Colorado	4.6	(Z)	-	(Z)	2.6	3.7
Connecticut	20.6	0.6	0.6	0.6	0.6	2.8
Florida	28.9	19.0	5.9	9.1	8.8	13.6
Georgia	41.0	24.7	0.5	7.8	5.7	7.2
Hawaii	66.1	64.2	19.7	-	-	-
Idaho	58.1	8.0	4.9	12.0	4.0	11.2
Illinois	31.9	9.1	2.4	1.4	2.3	7.2
Indiana	43.6	19.6	11.3	21.3	1.5	1.9
Iowa	17.9	1.2	0.9	17.0	1.0	1.7
Kansas	30.5	20.1	1.5	15.5	14.6	13.9
Kentucky	54.1	39.0	2.3	(Z)	13.2	12.0
Louisiana	28.2	5.4	-	(Z)	(Z)	5.3
Maine	29.3	18.1	-	-	15.2	2.0
Maryland	21.2	12.2	(Z)	-	3.1	0.7
Massachusetts	5.4	(Z)	0.5	-	(Z)	0.6
Michigan	8.7	2.2	-	3.1	0.9	1.5
Minnesota	8.0	(Z)	-	3.4	0.6	1.4
Mississippi	27.8	8.6	-	5.8	(Z)	8.3
Missouri	17.3	6.3	(Z)	1.1	1.3	0.8
Montana	27.2	2.9	3.1	-	4.9	(Z)
Nebraska	28.0	1.5	2.8	4.2	1.8	(Z)
New Jersey	8.6	5.9	(Z)	-	(Z)	(Z)
New Mexico	65.6	44.4	-	14.1	(Z)	0.7
New York	48.0	34.5	1.0	1.3	13.6	3.5
North Carolina	24.1	1.4	-	(Z)	(Z)	5.1
North Dakota	28.0	0.9	2.8	(Z)	7.8	(Z)
Ohio	36.6	10.9	(Z)	2.5	1.5	6.6
Oklahoma	5.6	3.2	(Z)	0.5	(Z)	0.8
Oregon	28.8	23.3	8.7	2.0	1.3	(Z)
Pennsylvania	30.3	8.2	3.5	3.4	7.0	1.1
South Carolina	28.1	5.5	(Z)	11.3	0.8	2.0
South Dakota	45.8	9.0	(Z)	7.4	1.7	1.6
Tennessee	33.5	5.1	0.5	1.4	2.5	1.0
Texas	19.4	8.3	1.2	9.8	4.1	5.5
Utah	4.8	0.7	0.7	0.7	2.0	4.7
Vermont	16.1	0.6	(Z)	-	(Z)	0.8
Virginia	31.8	19.1	0.8	0.5	5.2	3.2
Washington	42.3	2.7	2.0	2.5	7.6	0.8
West Virginia	13.8	6.3	0.6	1.9	1.0	3.1
Wisconsin	28.4	(Z)	0.5	0.7	2.5	0.7
Wyoming	14.7	2.3	9.3	-	2.3	0.6
Other States ⁴	14.2	(Z)	0.9	(Z)	4.2	(Z)
United States	33.6	10.6	3.9	5.6	5.4	4.7

- 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.

⁴ Includes data for States not published in this table.

Colony Health Stressors with Five or More Colonies – States and United States: January-March 2022

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

State	Varroa mites	Other pests and parasites ¹	Diseases ²	Pesticides	Other ³	Unknown
	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)
Alabama	36.9	17.0	-	3.7	10.8	5.3
Arizona	14.8	-	3.0	(Z)	(Z)	0.5
Arkansas	39.8	28.1	-	13.1	1.3	8.9
California	29.7	7.2	3.3	5.3	3.9	4.2
Colorado	4.0	-	3.8	0.6	3.4	2.6
Connecticut	10.2	2.3	1.4	(Z)	3.5	1.2
Florida	39.0	13.1	3.7	9.8	6.4	8.2
Georgia	41.2	17.4	0.6	5.1	5.9	3.0
Hawaii	76.1	76.0	-	-	3.0	-
Idaho	57.0	1.1	(Z)	15.5	1.4	1.3
Illinois	20.1	6.9	2.0	4.3	5.4	10.6
Indiana	28.5	11.5	1.7	3.6	9.7	5.9
Iowa	29.7	13.0	0.7	0.9	1.6	5.1
Kansas	37.8	21.8	3.7	1.7	4.2	5.1
Kentucky	15.6	3.9	3.0	2.8	5.6	11.0
Louisiana	61.1	48.1	-	-	0.6	7.6
Maine	7.3	1.2	-	-	7.0	1.2
Maryland	13.7	7.4	0.6	2.3	12.1	13.6
Massachusetts	13.4	2.9	0.7	-	1.6	2.7
Michigan	6.1	1.9	1.9	1.4	4.2	(Z)
Minnesota	1.1	-	-	(Z)	(Z)	1.0
Mississippi	39.7	13.2	6.5	2.0	1.8	9.4
Missouri	11.1	8.6	(Z)	0.5	5.3	5.2
Montana	0.5	-	-	-	(Z)	(Z)
Nebraska	3.2	-	0.7	-	(Z)	2.3
New Jersey	13.3	3.9	(Z)	-	0.6	1.8
New Mexico	48.7	(Z)	(Z)	-	0.5	(Z)
New York	16.6	4.1	(Z)	3.1	7.7	6.6
North Carolina	23.4	7.6	(Z)	-	2.4	1.0
North Dakota	33.1	-	-	-	-	(Z)
Ohio	18.0	4.8	0.7	1.7	2.2	7.2
Oklahoma	18.8	(Z)	-	-	-	(Z)
Oregon	11.4	-	-	1.4	(Z)	1.1
Pennsylvania	14.6	3.9	(Z)	0.6	3.1	3.0
South Carolina	38.0	3.8	-	(Z)	4.5	3.1
South Dakota	4.2	3.4	-	(Z)	1.8	(Z)
Tennessee	12.9	5.1	1.0	(Z)	3.3	3.0
Texas	21.2	2.1	0.6	3.6	6.0	1.5
Utah	3.2	1.5	3.0	-	(Z)	0.5
Vermont	15.2	1.9	1.3	4.0	2.7	0.5
Virginia	25.7	13.9	2.5	(Z)	12.0	7.8
Washington	8.3	4.0	3.6	-	2.6	(Z)
West Virginia	15.8	7.4	1.7	1.2	6.0	0.9
Wisconsin	7.9	(Z)	(Z)	6.5	2.0	0.5
Wyoming	1.3	-	-	-	1.2	0.8
Other States ⁴	11.6	2.4	4.3	1.0	2.1	0.8
United States	33.7	8.4	2.5	5.8	4.5	4.2

- 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.

⁴ Includes data for States not published in this table.

Colony Health Stressors with Five or More Colonies – States and United States: April-June 2022

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

State	Varroa mites	Other pests and parasites ¹	Diseases ²	Pesticides	Other ³	Unknown
	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)
Alabama	36.0	14.3	1.0	6.9	17.9	3.7
Arizona	8.4	(Z)	1.3	-	4.8	(Z)
Arkansas	22.2	14.4	2.0	11.2	6.5	3.8
California	41.1	16.0	4.8	6.7	19.8	3.7
Colorado	27.0	-	0.6	(Z)	16.6	(Z)
Connecticut	1.9	-	-	-	1.1	-
Florida	28.4	15.8	5.9	8.5	12.7	6.5
Georgia	35.0	8.8	1.4	5.9	8.1	5.6
Hawaii	63.1	61.2	4.6	-	0.5	(Z)
Idaho	32.6	13.1	5.6	13.7	9.5	3.5
Illinois	18.3	7.4	3.2	1.6	7.3	10.6
Indiana	25.9	4.6	0.5	3.9	6.7	4.3
Iowa	49.3	1.1	1.6	0.9	4.6	8.2
Kansas	41.6	1.0	1.7	16.1	23.0	1.9
Kentucky	39.9	15.1	10.7	2.4	2.5	12.9
Louisiana	30.6	9.5	4.6	4.6	2.3	2.4
Maine	(Z)	-	(Z)	-	(Z)	(Z)
Maryland	15.0	7.9	2.4	0.8	14.7	1.7
Massachusetts	3.7	0.9	0.9	(Z)	0.6	(Z)
Michigan	10.4	(Z)	3.0	6.9	2.7	(Z)
Minnesota	4.9	0.7	(Z)	(Z)	2.6	(Z)
Mississippi	25.4	15.3	(Z)	0.7	15.2	8.9
Missouri	11.5	3.1	0.9	0.5	2.8	1.2
Montana	9.2	-	-	1.8	8.8	-
Nebraska	26.6	22.1	0.8	-	0.6	(Z)
New Jersey	7.0	0.8	0.7	0.6	(Z)	-
New Mexico	52.0	8.6	8.6	0.9	1.5	0.7
New York	23.2	3.4	0.8	(Z)	1.7	1.0
North Carolina	23.9	2.8	3.5	-	(Z)	1.0
North Dakota	38.7	22.4	0.9	4.7	9.7	0.5
Ohio	51.2	5.6	5.1	3.3	2.3	2.1
Oklahoma	8.4	2.6	-	1.4	7.8	0.7
Oregon	49.3	23.2	9.5	16.1	17.5	(Z)
Pennsylvania	19.0	3.3	0.6	(Z)	1.1	2.1
South Carolina	29.9	13.2	(Z)	12.8	1.2	0.9
South Dakota	44.5	29.3	-	2.5	12.9	1.2
Tennessee	30.9	23.7	1.0	(Z)	14.4	1.7
Texas	39.2	30.0	(Z)	0.7	5.2	0.9
Utah	40.1	0.8	6.9	7.9	13.8	8.3
Vermont	21.2	1.5	-	0.7	1.3	(Z)
Virginia	30.8	21.7	0.9	0.6	18.1	1.7
Washington	50.8	7.3	4.3	3.4	14.2	1.6
West Virginia	13.1	7.4	3.6	-	1.0	0.9
Wisconsin	27.0	14.6	4.9	11.8	9.6	6.0
Wyoming	5.6	2.5	5.1	-	3.0	1.0
Other States ⁴	7.9	3.8	4.5	2.1	3.0	4.1
United States	45.2	21.2	3.9	6.7	15.1	3.5

- 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.

⁴ Includes data for States not published in this table.

Colonies Lost with Colony Collapse Disorder Symptoms with Five or More Colonies – United States: 2021 and 2022

[Loss reported that met all of the following criteria: 1) Little to no build-up of dead bees in the hive or at the hive entrance 2) Rapid loss of adult honey bee population despite the presence of queen, capped brood, and food reserves 3) Absence or delayed robbing of the food reserves 4) Loss not attributable to varroa or nosema loads. Blank cells indicate estimation period has not yet begun]

Year	January-March	April-June	July-September	October-December
	(number)	(number)	(number)	(number)
2021	77,150	49,420	74,910	82,340
2022	86,070	51,500		

Terms and Definitions of Honey Bee Colony Estimates

Added colonies: A new or replacement, surviving colony that was either created or purchased whole by an operation.

Colony: A hive containing a queen honey bee and attendant worker bees and/or drone bees.

Colony Collapse Disorder (CCD) criteria: Colonies reported as being lost due to CCD must have fully met four criteria: 1) Little to no build-up of dead bees in the hive or at the hive entrance 2) Rapid loss of adult honey bee population despite the presence of queen, capped brood, and food reserves 3) Absence or delayed robbing of the food reserves 4) Loss not attributable to varroa or nosema loads. Colonies lost due to CCD were collected on a quarterly basis for operations with five or more colonies.

Lost colony: A completely failed colony, loss of most workers, and possibly the queen. Colony is no longer viable. Sometimes referred to as a dead out.

Maximum colonies: Refers to the sum of colonies in a state on the first of the quarter plus all those moved into the state during that period. Maximum colonies is considered the base number from which a data user can do further analysis. It does not include the colonies that were added, lost, or renovated in the state. Colonies are counted in every state they were in during the quarter; therefore, a national level maximum number of colonies cannot be calculated due to duplication.

Nucleus colony (nuc): A smaller sized hive box with reduced numbers of bees and brood, usually containing a queen; used for expansion of the apiary operation or renovating an existing colony.

Package: A shipping container with several pounds of honey bees that may or may not include a queen; used for expansion of the apiary operation or renovating an existing colony.

Percent lost: The state-level percentage of colonies lost is the number of colonies lost in that state divided by the maximum colonies for that state. The national level percentage of colonies lost is the total number of all colonies lost in the United States divided by the number of colonies on the first of the quarter.

Percent renovated: The state-level percentage of colonies renovated is the number of colonies renovated in that state divided by the maximum colonies for that state. The national level percentage of colonies renovated is the total number of all colonies renovated in the United States divided by the number of colonies on the first of the quarter.

Renovated colony: An existing colony that was requeened or received a nuc or package.

Stressors: State level colony health stressors for operations with five or more colonies are the percent of the maximum colonies reported to be affected, by quarter. The national level colony stressors is the summed number for the United States divided by the number of colonies on the first of the quarter.

Statistical Methodology

Survey Procedures: Data for operations with honey bee colonies are collected quarterly from a stratified sample of operations that responded as having five or more honey bee colonies on the *Bee and Honey Inquiry* and from the NASS list frame. NASS Regional Field Offices maintain a list of all known operations with honey bees and use known sources of producers to update their lists. All operations are mailed a questionnaire and given adequate time to respond by mail or electronic data reporting (EDR). Those that do not respond by mail or EDR are telephoned or possibly enumerated in person.

Estimation Procedures: Estimates were prepared by the Agricultural Statistics Board after reviewing recommendations and analysis submitted by each Regional Field Office. All data were analyzed for unusual values. Data from each operation were compared to their own past operating profile and to trends from similar operations. Data for missing operations were estimated based on similar operations or historical data. National and State survey data were reviewed for reasonableness with each other and estimates from the previous quarters using a balance sheet.

Revision Policy: The previous year's estimates are subject to revision when current year's estimates are made. Revisions are the result of late reports or corrected data.

Reliability: Since all operations with honey bees are not included in the sample, survey estimates are subject to sampling variability. Survey results are also subject to non-sampling errors such as omissions, duplication, and mistakes in reporting, recording, and processing the data. While these errors cannot be measured directly, they are minimized through strict quality controls in the data collection process and a careful review of all reported data for consistency and reasonableness.

Information Contacts

Listed below are the commodity specialists in the Livestock Branch of the National Agricultural Statistics Service to contact for additional information. E-mail inquiries may be sent to nass@usda.gov

Travis Averill, Chief, Livestock Branch	(202) 692-0069
Jean Porter, Head, Poultry and Specialty Commodities Section	(202) 690-3223
Holly Brenize – Poultry Slaughter.....	(202) 720-0585
Alissa Cowell-Mytar – Cold Storage, Capacity of Refrigerated Warehouses	(202) 720-4751
Liana Cuffman – Catfish and Trout, Mink, Census of Aquaculture	(202) 720-8784
Fatema Haque – Turkey Hatchery, Turkeys Raised	(202) 720-3244
Derron Martin – Chicken Hatchery, Egg Products	(202) 690-3237
Seth Riggins – Honey, Honey Bee Colonies	(202) 690-4870
Autumn Stone – Layers, Eggs	(202) 690-3676
Takiyah Walker – Broiler Hatchery.....	(202) 720-6147

Access to NASS Reports

For your convenience, you may access NASS reports and products the following ways:

- All reports are available electronically, at no cost, on the NASS web site: www.nass.usda.gov.
- Both national and state specific reports are available via a free e-mail subscription. To set-up this free subscription, visit www.nass.usda.gov and click on “National” or “State” in upper right corner above “search” box to create an account and select the reports you would like to receive.
- Cornell’s Mann Library has launched a new website housing NASS’s and other agency’s archived reports. The new website, <https://usda.library.cornell.edu>. All email subscriptions containing reports will be sent from the new website, <https://usda.library.cornell.edu>. To continue receiving the reports via e-mail, you will have to go to the new website, create a new account and re-subscribe to the reports. If you need instructions to set up an account or subscribe, they are located at: <https://usda.library.cornell.edu/help>. You should whitelist notifications@usda-esmis.library.cornell.edu in your email client to avoid the emails going into spam/junk folders.

For more information on NASS surveys and reports, call the NASS Agricultural Statistics Hotline at (800) 727-9540, 7:30 a.m. to 4:00 p.m. ET, or e-mail: nass@usda.gov.

The U.S. Department of Agriculture (USDA) prohibits discrimination against its customers, employees, and applicants for employment on the basis of race, color, national origin, age, disability, sex, gender identity, religion, reprisal, and where applicable, political beliefs, marital status, familial or parental status, sexual orientation, or all or part of an individual's income is derived from any public assistance program, or protected genetic information in employment or in any program or activity conducted or funded by the Department. (Not all prohibited bases will apply to all programs and/or employment activities.)

If you wish to file a Civil Rights program complaint of discrimination, complete the [USDA Program Discrimination Complaint Form](#) (PDF), found online at www.ascr.usda.gov/filing-program-discrimination-complaint-usda-customer, or at any USDA office, or call (866) 632-9992 to request the form. You may also write a letter containing all of the information requested in the form. Send your completed complaint form or letter to us by mail at U.S. Department of Agriculture, Director, Office of Adjudication, 1400 Independence Avenue, S.W., Washington, D.C. 20250-9410, by fax (202) 690-7442 or email at program.intake@usda.gov.