



Honey Bee Colonies

ISSN: 2470-993X

Released August 1, 2024, 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, 2024 totaled 2.71 million colonies, down 1 percent from January 1, 2023. The number of colonies in the United States on April 1, 2024, was 2.71 million colonies. During 2023, honey bee colonies on January 1, April 1, July 1, and October 1 were 2.73 million, 2.71 million, 2.92 million, and 2.82 million colonies, respectively.

Honey bee colonies lost for operations with five or more colonies from January through March 2024, was 396,820 colonies, or 15 percent. The number of colonies lost during the quarter of April through June 2024, was 288,190 colonies, or 11 percent. During the quarter of April through June 2023, colonies lost totaled 378,190 colonies, or 14 percent, the highest number lost of any quarter surveyed in 2023. The quarter surveyed in 2023 with the lowest number of colonies lost was October through December, with 254,520 colonies lost, or 9 percent.

Honey bee colonies added for operations with five or more colonies from January through March 2024 was 404,100 colonies. The number of colonies added during the quarter of April through June 2024 was 617,420. During the quarter of April through June 2023, the number of colonies added were 618,350 colonies, the highest number of honey bee colonies added for any quarter surveyed in 2023. The quarter of October through December 2023 added 118,840 colonies, the least number of honey bee colonies added for any quarter surveyed in 2023.

Honey bee colonies renovated for operations with five or more colonies from January through March 2024 was 215,070 colonies, or 8 percent. During the quarter of April through June 2024, the number of colonies renovated were 521,790 colonies, or 19 percent. The quarter surveyed in 2023 with the highest number of colonies renovated was April through June 2023 with 485,640 colonies renovated, or 18 percent. The quarter surveyed in 2023 with the lowest number of colonies renovated was January through March 2023, with 113,440, or 4 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 2023. The period with the highest percentage of colonies reported to be affected by varroa mites was April through June 2023 at 52.0 percent. The percent of colonies reported to be affected by varroa mites during January through March 2024 and April through June 2024 are 43.3 percent and 54.8 percent, respectively.

Colonies Lost with Colony Collapse Disorder Symptoms Down 34 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 70,650 colonies from January through March 2024. This represents a 34 percent decrease from the same quarter in 2023.

Contents

Colonies, Maximum, Lost, Percent Lost, Added, Renovated, and Percent Renovated with Five or More Colonies
– States and United States: January 1, 2023 and January-March 2023 3

Colonies, Maximum, Lost, Percent Lost, Added, Renovated, and Percent Renovated with Five or More Colonies
– States and United States: April 1, 2023 and April-June 2023 4

Colonies, Maximum, Lost, Percent Lost, Added, Renovated, and Percent Renovated with Five or More Colonies
– States and United States: July 1, 2023 and July-September 2023..... 5

Colonies, Maximum, Lost, Percent Lost, Added, Renovated, and Percent Renovated with Five or More Colonies
– States and United States: October 1, 2023 and October-December 2023 6

Colonies, Maximum, Lost, Percent Lost, Added, Renovated, and Percent Renovated with Five or More Colonies
– States and United States: January 1, 2024 and January-March 2024 7

Colonies, Maximum, Lost, Percent Lost, Added, Renovated, and Percent Renovated with Five or More Colonies
– States and United States: April 1, 2024 and April-June 2024..... 8

Colony Health Stressors with Five or More Colonies – States and United States: January-March 2023..... 9

Colony Health Stressors with Five or More Colonies – States and United States: April-June 202310

Colony Health Stressors with Five or More Colonies – States and United States: July-September 2023.....11

Colony Health Stressors with Five or More Colonies – States and United States: October-December 202312

Colony Health Stressors with Five or More Colonies – States and United States: January-March 2024.....13

Colony Health Stressors with Five or More Colonies – States and United States: April-June 2024.....14

Colonies Lost with Colony Collapse Disorder Symptoms with Five or More Colonies – United States:
2023 and 202415

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, 2023 and January-March 2023

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	11,000	15,500	1,400	9	2,000	880	6
Arizona	34,000	34,000	510	2	290	80	(Z)
Arkansas	21,000	23,000	2,200	10	1,200	10	(Z)
California	1,020,000	1,330,000	196,000	15	88,000	48,000	4
Colorado	10,500	10,500	520	5	520	-	-
Connecticut	3,600	4,000	360	9	560	70	2
Florida	270,000	305,000	34,000	11	51,000	18,500	6
Georgia	121,000	121,000	13,000	11	18,500	8,000	7
Idaho	165,000	167,000	12,500	7	4,000	8,000	5
Illinois	9,000	9,500	1,800	19	1,800	320	3
Indiana	7,000	10,000	1,300	13	300	40	(Z)
Iowa	50,000	64,000	1,700	3	210	240	(Z)
Kansas	3,300	3,900	490	13	940	20	1
Kentucky	9,500	10,500	1,100	10	260	80	1
Louisiana	29,000	38,000	4,800	13	6,000	3,700	10
Maine	2,600	7,500	290	4	190	130	2
Maryland	6,000	6,000	1,100	18	670	140	2
Massachusetts	6,000	8,000	820	10	200	80	1
Michigan	59,000	64,000	9,000	14	330	2,100	3
Minnesota	41,000	57,000	1,100	2	30	1,600	3
Mississippi	29,000	37,000	2,300	6	65,000	4,100	11
Missouri	6,500	9,000	940	10	1,400	100	1
Montana	23,000	51,000	70	(Z)	-	-	-
Nebraska	17,000	23,000	1,100	5	-	-	-
New Jersey	12,500	14,500	1,300	9	530	110	1
New Mexico	8,500	8,500	4,600	54	460	760	9
New York	40,000	40,000	8,000	20	560	510	1
North Carolina	26,000	30,000	4,100	14	2,200	2,800	9
North Dakota	82,000	89,000	2,400	3	2,700	1,000	1
Ohio	17,500	21,000	2,500	12	190	160	1
Oklahoma	16,500	17,000	1,600	9	10	-	-
Oregon	77,000	97,000	8,000	8	1,500	500	1
Pennsylvania	27,000	29,000	4,800	17	430	490	2
South Carolina	14,500	16,000	1,700	11	2,700	800	5
South Dakota	93,000	93,000	2,200	2	-	-	-
Tennessee	11,000	12,000	1,800	15	2,100	40	(Z)
Texas	171,000	300,000	20,000	7	62,000	8,500	3
Utah	19,000	24,000	2,600	11	900	360	2
Vermont	10,000	10,000	400	4	30	40	(Z)
Virginia	9,500	10,500	1,200	11	470	150	1
Washington	65,000	99,000	13,500	14	270	250	(Z)
West Virginia	5,000	6,000	600	10	40	40	1
Wisconsin	27,000	29,000	3,300	11	1,400	270	1
Wyoming	15,000	17,000	150	1	-	-	-
Other States ⁵	28,750	31,050	730	2	2,510	470	2
United States	2,729,750	(X)	373,880	14	324,400	113,440	4

- 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, 2023 and April-June 2023

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	16,000	16,000	2,100	13	4,800	4,200	26
Arizona	34,000	34,000	8,500	25	4,900	2,400	7
Arkansas	22,000	24,000	11,000	46	6,500	2,200	9
California	910,000	940,000	152,000	16	139,000	112,000	12
Colorado	10,000	33,000	1,100	3	4,500	1,500	5
Connecticut	4,200	4,200	230	5	690	800	19
Florida	250,000	295,000	50,000	17	58,000	23,000	8
Georgia	129,000	132,000	31,000	23	25,000	45,000	34
Idaho	82,000	132,000	7,000	5	22,000	11,000	8
Illinois	9,500	9,500	530	6	3,300	700	7
Indiana	9,000	10,500	320	3	4,100	1,500	14
Iowa	63,000	69,000	3,400	5	11,500	2,700	4
Kansas	2,500	3,300	760	23	1,600	360	11
Kentucky	9,000	9,500	550	6	1,000	450	5
Louisiana	39,000	44,000	2,700	6	4,400	9,000	20
Maine	7,500	15,500	1,000	6	510	1,100	7
Maryland	5,500	5,500	200	4	710	730	13
Massachusetts	7,500	10,500	1,500	14	1,300	510	5
Michigan	46,000	85,000	4,200	5	9,500	3,700	4
Minnesota	56,000	76,000	2,600	3	12,500	1,700	2
Mississippi	70,000	72,000	3,500	5	12,000	8,000	11
Missouri	9,500	10,000	390	4	4,600	910	9
Montana	51,000	97,000	4,500	5	22,000	18,500	19
Nebraska	8,000	28,000	1,200	4	10,000	2,300	8
New Jersey	14,000	19,500	720	4	1,000	520	3
New Mexico	4,300	4,300	230	5	530	250	6
New York	31,000	60,000	1,800	3	6,500	2,100	4
North Carolina	28,000	28,000	2,300	8	9,000	5,500	20
North Dakota	62,000	410,000	23,000	6	35,000	4,200	1
Ohio	18,500	19,500	1,200	6	8,000	5,000	26
Oklahoma	10,000	13,000	320	2	6,000	2,900	22
Oregon	91,000	95,000	23,000	24	29,000	31,000	33
Pennsylvania	25,000	29,000	1,700	6	8,000	2,200	8
South Carolina	17,000	17,500	1,200	7	2,800	2,600	15
South Dakota	13,000	146,000	2,600	2	11,500	26,000	18
Tennessee	12,500	13,500	920	7	3,900	2,500	19
Texas	340,000	360,000	16,500	5	85,000	119,000	33
Utah	15,500	18,500	3,700	20	9,500	2,500	14
Vermont	9,500	9,500	160	2	990	210	2
Virginia	9,000	10,500	670	6	4,000	1,300	12
Washington	87,000	123,000	4,400	4	18,500	15,500	13
West Virginia	5,500	6,500	350	5	1,300	1,000	15
Wisconsin	15,500	54,000	570	1	5,500	1,300	2
Wyoming	16,500	19,000	1,400	7	5,000	2,200	12
Other States ⁵	31,270	32,700	1,170	4	2,920	3,600	11
United States	2,706,270	(X)	378,190	14	618,350	485,640	18

(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, 2023 and July-September 2023

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	15,000	15,000	2,400	16	1,200	2,700	18
Arizona	30,000	30,000	4,600	15	3,000	790	3
Arkansas	19,500	34,000	1,000	3	3,600	390	1
California	570,000	600,000	32,000	5	21,000	61,000	10
Colorado	23,000	26,000	6,500	25	170	2,300	9
Connecticut	3,700	4,100	120	3	140	150	4
Florida	245,000	290,000	34,000	12	44,000	21,000	7
Georgia	126,000	133,000	23,000	17	17,000	10,500	8
Idaho	125,000	154,000	8,000	5	1,800	11,000	7
Illinois	12,000	12,000	950	8	360	870	7
Indiana	14,500	15,500	440	3	150	1,100	7
Iowa	71,000	71,000	1,800	3	670	720	1
Kansas	3,300	5,500	400	7	150	80	1
Kentucky	8,000	8,000	740	9	660	540	7
Louisiana	46,000	46,000	3,300	7	4,600	6,000	13
Maine	6,000	6,000	1,400	23	40	220	4
Maryland	4,100	4,200	170	4	400	840	20
Massachusetts	9,000	9,000	380	4	160	470	5
Michigan	91,000	105,000	8,500	8	1,600	4,800	5
Minnesota	71,000	72,000	5,500	8	600	2,200	3
Mississippi	27,000	28,000	4,100	15	1,100	120	(Z)
Missouri	13,500	13,500	880	7	700	320	2
Montana	84,000	98,000	6,500	7	2,200	6,000	6
Nebraska	32,000	52,000	4,800	9	540	3,100	6
New Jersey	20,000	22,000	440	2	1,000	1,300	6
New Mexico	4,600	6,000	500	8	1,000	450	8
New York	65,000	65,000	2,900	4	2,000	5,500	8
North Carolina	26,000	26,000	3,400	13	2,400	2,800	11
North Dakota	420,000	480,000	62,000	13	9,000	13,500	3
Ohio	26,000	27,000	1,600	6	380	1,500	6
Oklahoma	2,500	3,200	200	6	20	30	1
Oregon	101,000	112,000	11,500	10	5,000	28,000	25
Pennsylvania	32,000	32,000	1,300	4	1,400	1,000	3
South Carolina	15,000	16,000	2,300	14	1,100	700	4
South Dakota	141,000	200,000	20,000	10	750	2,300	1
Tennessee	13,000	14,500	1,900	13	900	1,100	8
Texas	188,000	205,000	7,500	4	2,800	1,100	1
Utah	22,000	22,000	2,300	10	5,500	1,500	7
Vermont	10,000	10,000	170	2	680	80	1
Virginia	11,500	11,500	1,000	9	880	690	6
Washington	67,000	82,000	2,400	3	1,900	3,300	4
West Virginia	7,500	8,000	230	3	400	790	10
Wisconsin	59,000	59,000	7,000	12	1,500	3,400	6
Wyoming	23,000	23,000	860	(Z)	1,600	2,000	9
Other States ⁵	20,160	21,660	740	3	1,260	950	4
United States	2,923,860	(X)	281,720	10	147,310	209,200	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, 2023 and October-December 2023

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	10,500	10,500	760	7	420	80	1
Arizona	28,000	28,000	5,500	20	3,200	700	3
Arkansas	37,000	37,000	3,100	8	330	10	(Z)
California	570,000	1,000,000	64,000	6	60,000	52,000	5
Colorado	15,500	15,500	980	6	-	180	1
Connecticut	4,100	4,100	480	12	-	10	(Z)
Florida	305,000	335,000	33,000	10	22,000	19,500	6
Georgia	127,000	140,000	25,000	18	4,000	15,500	11
Idaho	148,000	215,000	4,000	2	1,400	5,000	2
Illinois	10,500	11,000	740	7	200	210	2
Indiana	15,000	15,000	4,100	27	150	620	4
Iowa	70,000	70,000	1,700	2	530	120	(Z)
Kansas	3,300	3,300	800	24	110	40	1
Kentucky	8,000	8,000	860	11	270	660	8
Louisiana	39,000	44,000	1,700	4	1,100	3,200	7
Maine	4,300	4,300	220	5	260	60	1
Maryland	4,400	6,500	1,900	29	500	340	5
Massachusetts	5,500	5,500	590	11	40	70	1
Michigan	75,000	75,000	7,500	10	260	3,200	4
Minnesota	57,000	57,000	6,000	11	1,000	290	1
Mississippi	25,000	34,000	3,500	10	440	1,800	5
Missouri	13,500	14,000	600	4	30	750	5
Montana	84,000	87,000	2,600	3	420	3,300	4
Nebraska	39,000	42,000	5,500	13	940	560	1
New Jersey	23,000	23,000	770	3	530	120	1
New Mexico	6,500	6,500	1,100	17	30	110	2
New York	54,000	58,000	5,000	9	420	1,300	2
North Carolina	25,000	27,000	2,900	11	430	500	2
North Dakota	360,000	365,000	8,000	2	10,000	7,500	2
Ohio	13,000	16,000	1,200	8	90	270	2
Oklahoma	1,700	17,500	100	1	10	20	(Z)
Oregon	107,000	113,000	6,500	6	760	10,000	9
Pennsylvania	25,000	25,000	2,300	9	1,300	820	3
South Carolina	15,000	18,000	1,300	7	530	1,200	7
South Dakota	182,000	188,000	2,600	1	250	1,400	1
Tennessee	12,500	12,500	1,900	15	900	250	2
Texas	75,000	220,000	9,500	4	400	480	(Z)
Utah	23,000	23,000	2,700	12	390	20	(Z)
Vermont	6,500	6,500	90	1	500	-	-
Virginia	10,500	10,500	2,100	20	170	450	4
Washington	80,000	92,000	19,000	21	40	1,700	2
West Virginia	8,000	8,000	930	12	2,400	230	3
Wisconsin	49,000	51,000	6,500	13	390	380	1
Wyoming	18,500	18,500	1,700	(Z)	20	-	-
Other States ⁵	22,160	22,160	3,200	14	1,680	4,350	20
United States	2,815,960	(X)	254,520	9	118,840	139,300	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, 2024 and January-March 2024

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	9,500	11,500	1,600	14	2,400	860	7
Arizona	26,000	29,000	1,900	7	3,300	670	2
Arkansas	16,000	21,000	1,700	8	260	120	1
California	990,000	1,250,000	210,000	17	210,000	135,000	11
Colorado	5,500	10,500	370	4	200	-	(Z)
Connecticut	3,200	4,000	100	3	120	-	-
Florida	310,000	310,000	24,000	8	28,000	10,500	3
Georgia	117,000	125,000	28,000	22	34,000	2,000	2
Idaho	195,000	195,000	23,000	12	4,200	760	(Z)
Illinois	10,000	10,000	2,300	23	800	300	3
Indiana	8,000	9,500	410	4	510	-	(Z)
Iowa	56,000	59,000	1,900	3	2,700	-	(Z)
Kansas	2,400	4,000	270	7	170	10	(Z)
Kentucky	6,500	6,500	660	10	1,100	10	(Z)
Louisiana	44,000	44,000	8,500	19	5,500	2,300	5
Maine	1,400	1,400	300	21	400	140	10
Maryland	5,000	5,000	660	13	1,700	920	18
Massachusetts	4,800	4,800	650	14	750	640	13
Michigan	67,000	90,000	3,000	3	10	-	-
Minnesota	25,000	85,000	830	1	900	210	(Z)
Mississippi	28,000	42,000	3,700	9	10,500	1,500	4
Missouri	9,500	11,000	1,100	10	600	40	(Z)
Montana	36,000	41,000	50	(Z)	60	-	(Z)
Nebraska	17,500	19,500	1,200	6	-	-	-
New Jersey	12,500	14,500	1,200	8	990	320	2
New Mexico	4,300	4,300	1,200	28	10	-	-
New York	40,000	40,000	2,300	6	140	350	1
North Carolina	25,000	27,000	5,500	20	5,000	3,100	11
North Dakota	65,000	78,000	8,500	11	-	-	-
Ohio	15,000	27,000	2,100	8	600	150	1
Oklahoma	17,500	18,000	2,200	12	60	320	2
Oregon	90,000	101,000	8,000	8	1,300	5,500	5
Pennsylvania	24,000	26,000	2,800	11	130	600	2
South Carolina	14,000	14,000	870	6	2,800	820	6
South Dakota	68,000	78,000	2,000	3	40	50	(Z)
Tennessee	11,500	11,500	1,700	15	830	170	1
Texas	200,000	290,000	28,000	10	77,000	46,000	16
Utah	10,000	17,000	980	6	460	120	1
Vermont	7,000	8,000	230	3	70	20	(Z)
Virginia	7,000	9,500	1,200	13	640	200	2
Washington	45,000	107,000	6,500	6	3,500	570	1
West Virginia	6,000	7,500	640	9	300	10	(Z)
Wisconsin	31,000	55,000	1,600	3	600	120	(Z)
Wyoming	1,900	13,000	490	4	-	10	(Z)
Other States ⁵	17,350	18,730	2,610	14	1,450	660	4
United States	2,705,350	(X)	396,820	15	404,100	215,070	8

- 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, 2024 and April-June 2024

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	12,500	13,000	1,300	10	2,900	2,700	21
Arizona	30,000	32,000	13,500	42	18,500	7,000	22
Arkansas	19,500	21,000	2,800	13	5,000	430	2
California	890,000	930,000	54,000	6	148,000	113,000	12
Colorado	10,500	18,500	290	2	1,100	450	2
Connecticut	4,100	4,100	140	3	960	770	19
Florida	280,000	285,000	42,000	15	60,000	11,000	4
Georgia	131,000	133,000	13,000	10	16,000	10,500	8
Idaho	112,000	130,000	8,000	6	26,000	29,000	22
Illinois	8,500	8,500	800	9	4,000	1,700	20
Indiana	9,500	10,000	420	4	3,200	1,000	10
Iowa	45,000	46,000	3,300	7	6,000	9,000	20
Kansas	3,900	6,000	480	8	2,100	960	16
Kentucky	7,000	17,000	1,200	7	1,000	600	4
Louisiana	36,000	36,000	1,800	5	3,700	300	1
Maine	1,500	9,500	850	9	1,100	370	4
Maryland	6,000	6,000	320	5	2,900	700	12
Massachusetts	4,900	5,500	220	4	790	630	11
Michigan	87,000	95,000	8,000	8	21,000	15,500	16
Minnesota	86,000	112,000	1,800	2	20,000	11,000	10
Mississippi	49,000	49,000	5,000	10	13,500	6,000	12
Missouri	10,500	10,500	540	5	2,000	480	5
Montana	20,000	92,000	520	1	11,000	10,000	11
Nebraska	11,000	24,000	1,200	5	10,500	9,500	40
New Jersey	14,500	15,000	710	5	2,300	640	4
New Mexico	2,000	2,000	290	15	1,100	540	27
New York	31,000	50,000	1,600	3	3,500	3,000	6
North Carolina	26,000	26,000	1,700	7	6,000	5,000	19
North Dakota	49,000	395,000	16,000	4	7,000	22,000	6
Ohio	26,000	26,000	660	3	4,900	4,700	18
Oklahoma	13,000	15,500	1,300	8	7,500	4,100	26
Oregon	95,000	105,000	9,000	9	21,000	13,500	13
Pennsylvania	22,000	25,000	1,600	6	5,500	1,500	6
South Carolina	13,500	14,500	430	3	2,200	4,900	34
South Dakota	16,500	183,000	5,500	3	16,500	1,900	1
Tennessee	10,500	12,000	800	7	1,400	670	6
Texas	285,000	295,000	43,000	15	98,000	173,000	59
Utah	16,500	20,000	1,500	8	4,400	2,000	10
Vermont	8,000	8,000	130	2	270	320	4
Virginia	9,000	9,500	450	5	3,000	2,000	21
Washington	106,000	128,000	35,000	27	20,000	24,000	19
West Virginia	6,500	6,500	380	6	1,100	520	8
Wisconsin	55,000	67,000	3,800	6	20,000	11,000	16
Wyoming	12,000	21,000	1,400	7	7,500	1,800	9
Other States ⁵	16,970	23,710	1,460	6	3,000	2,110	9
United States	2,709,370	(X)	288,190	11	617,420	521,790	19

(X) Not applicable.

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 2023

[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	31.9	18.3	0.7	1.5	9.9	8.3
Arizona	72.9	-	-	(Z)	(Z)	0.5
Arkansas	62.2	51.4	5.3	24.7	2.0	5.9
California	48.7	18.2	11.3	14.1	23.0	16.7
Colorado	1.8	-	-	(Z)	0.9	1.4
Connecticut	7.0	1.7	0.6	0.1	3.3	5.9
Florida	28.1	11.1	3.5	5.6	4.2	8.5
Georgia	31.2	1.3	(Z)	7.7	1.7	7.4
Idaho	12.1	2.8	(Z)	5.3	1.2	6.0
Illinois	21.5	9.0	0.6	0.9	10.5	10.0
Indiana	24.8	4.5	(Z)	-	6.0	2.3
Iowa	26.9	1.0	1.3	2.2	1.4	3.2
Kansas	20.9	2.7	0.8	5.4	8.9	2.7
Kentucky	10.9	5.9	(Z)	1.7	3.2	9.4
Louisiana	48.2	10.0	2.4	2.0	2.9	6.0
Maine	16.8	-	-	1.5	0.8	2.5
Maryland	16.4	4.7	2.5	-	7.3	3.9
Massachusetts	9.6	2.7	1.5	-	5.2	1.8
Michigan	6.5	0.6	0.5	1.2	1.1	1.7
Minnesota	9.2	(Z)	0.8	(Z)	1.3	1.4
Mississippi	19.6	9.6	1.1	7.5	15.4	2.7
Missouri	12.7	4.3	-	-	3.6	9.5
Montana	0.6	-	-	(Z)	-	(Z)
Nebraska	20.2	(Z)	(Z)	-	4.3	(Z)
New Jersey	20.0	6.7	(Z)	-	1.7	3.8
New Mexico	84.2	(Z)	64.8	1.0	0.9	1.4
New York	33.5	10.3	22.6	1.4	3.9	4.9
North Carolina	22.5	6.1	(Z)	(Z)	4.5	2.5
North Dakota	32.0	-	-	(Z)	0.6	-
Ohio	37.8	10.6	-	11.5	20.1	4.3
Oklahoma	4.7	1.1	-	(Z)	2.8	(Z)
Oregon	28.7	13.1	6.0	(Z)	11.4	2.0
Pennsylvania	20.9	4.6	2.5	0.7	2.0	7.7
South Carolina	32.2	7.3	-	(Z)	10.4	7.4
South Dakota	2.7	-	(Z)	(Z)	1.8	1.0
Tennessee	39.8	5.5	0.9	1.0	7.0	4.9
Texas	11.3	6.7	(Z)	7.6	9.7	1.1
Utah	32.4	19.4	19.0	19.0	2.8	2.0
Vermont	3.1	(Z)	(Z)	(Z)	-	1.6
Virginia	22.6	10.5	(Z)	(Z)	4.2	4.8
Washington	12.1	2.4	2.3	2.5	6.4	4.5
West Virginia	14.5	2.8	1.0	1.1	2.0	3.4
Wisconsin	15.0	0.9	0.8	0.5	2.7	7.2
Wyoming	10.4	-	-	-	1.4	(Z)
Other States ⁴	21.3	17.7	13.2	-	1.1	(Z)
United States	39.9	13.4	7.3	9.9	14.7	11.1

- 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 2023

[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	37.1	10.5	2.2	1.0	4.5	9.2
Arizona	15.4	-	2.1	-	0.7	(Z)
Arkansas	22.4	13.1	2.8	7.4	1.9	3.1
California	41.4	3.3	4.0	4.5	11.3	4.1
Colorado	64.4	5.1	5.5	1.3	0.7	(Z)
Connecticut	66.3	4.9	0.8	-	2.7	0.7
Florida	48.9	23.0	6.7	17.6	14.7	7.4
Georgia	29.2	11.9	2.3	3.8	9.5	7.0
Idaho	40.9	6.7	5.9	5.7	1.3	1.4
Illinois	25.6	13.3	3.2	6.8	6.7	3.7
Indiana	23.8	5.6	1.6	7.4	18.3	3.0
Iowa	17.9	2.6	4.5	9.9	5.1	(Z)
Kansas	38.1	2.2	0.1	24.0	3.0	3.0
Kentucky	8.3	2.8	0.9	1.2	0.7	5.5
Louisiana	32.0	3.6	(Z)	17.5	24.7	0.8
Maine	10.6	(Z)	3.9	4.7	(Z)	-
Maryland	18.8	0.9	0.6	(Z)	0.8	(Z)
Massachusetts	28.2	(Z)	0.7	(Z)	10.6	1.6
Michigan	12.0	7.7	1.8	2.6	3.2	10.0
Minnesota	13.0	2.1	(Z)	10.1	1.1	7.7
Mississippi	12.8	3.6	1.0	3.3	9.0	2.5
Missouri	12.9	6.3	0.8	0.5	4.7	3.3
Montana	23.7	(Z)	2.1	2.9	6.5	(Z)
Nebraska	27.4	4.8	0.6	0.5	0.6	3.7
New Jersey	14.4	2.6	0.6	(Z)	1.6	0.9
New Mexico	4.0	0.6	1.3	0.7	1.1	(Z)
New York	25.4	8.9	2.0	2.1	9.7	(Z)
North Carolina	28.7	8.8	0.9	(Z)	1.6	2.5
North Dakota	64.6	6.7	2.7	6.7	1.4	(Z)
Ohio	65.3	33.5	0.7	5.7	1.0	4.4
Oklahoma	4.0	0.9	-	-	0.7	(Z)
Oregon	27.9	9.3	3.5	14.3	4.3	(Z)
Pennsylvania	13.8	7.2	2.7	6.9	1.1	1.1
South Carolina	32.7	5.8	0.7	(Z)	16.0	2.7
South Dakota	13.6	7.2	(Z)	6.0	1.3	0.9
Tennessee	13.3	1.6	-	(Z)	2.8	1.8
Texas	48.1	43.6	11.2	12.5	30.9	10.5
Utah	55.0	33.6	25.5	28.0	28.6	(Z)
Vermont	9.7	0.5	-	0.8	(Z)	1.2
Virginia	23.3	7.5	0.8	-	6.6	3.0
Washington	41.6	1.0	6.1	9.2	4.3	(Z)
West Virginia	31.1	3.2	1.8	-	1.8	0.8
Wisconsin	57.2	9.8	47.8	49.2	50.2	46.8
Wyoming	17.2	10.9	-	-	2.3	2.5
Other States ⁴	10.3	3.5	3.9	2.0	0.5	(Z)
United States	52.0	14.3	6.6	10.5	13.8	6.1

- 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: July-September 2023

[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	67.5	35.3	4.1	1.1	4.4	6.4
Arizona	26.3	(Z)	2.7	3.8	18.1	0.7
Arkansas	38.6	16.7	3.1	24.3	5.0	4.2
California	22.1	2.6	2.3	3.7	4.4	2.3
Colorado	45.1	(Z)	3.1	12.6	12.9	(Z)
Connecticut	11.0	(Z)	0.1	(Z)	0.7	(Z)
Florida	28.0	16.6	7.2	8.3	10.1	10.1
Georgia	34.4	16.0	1.0	6.4	9.7	11.1
Idaho	18.3	3.1	4.4	1.7	1.8	1.7
Illinois	35.9	12.2	1.2	5.0	2.6	4.7
Indiana	40.9	12.1	1.8	8.7	1.8	0.5
Iowa	24.4	0.7	(Z)	14.6	2.0	14.4
Kansas	70.8	23.6	0.7	20.3	5.1	1.0
Kentucky	35.4	9.6	2.1	7.2	5.0	3.3
Louisiana	29.4	20.5	(Z)	-	5.6	2.0
Maine	17.3	(Z)	-	-	(Z)	-
Maryland	32.9	13.4	-	4.1	4.1	1.6
Massachusetts	17.4	3.3	1.8	-	0.7	0.7
Michigan	29.0	1.6	0.8	1.7	0.6	3.7
Minnesota	29.9	2.5	3.4	12.7	3.3	4.2
Mississippi	34.9	2.9	(Z)	1.3	12.0	1.3
Missouri	17.5	3.9	(Z)	0.8	8.9	2.0
Montana	32.4	(Z)	2.8	1.1	21.1	(Z)
Nebraska	19.7	(Z)	-	2.0	1.2	4.2
New Jersey	14.1	2.2	(Z)	-	0.7	1.1
New Mexico	23.0	1.5	(Z)	(Z)	-	0.7
New York	24.7	11.9	3.9	6.0	4.6	6.3
North Carolina	29.9	6.6	2.8	0.6	2.4	2.2
North Dakota	41.1	7.1	3.0	12.4	3.5	(Z)
Ohio	38.5	7.1	0.6	5.7	4.4	1.8
Oklahoma	12.0	-	(Z)	-	1.8	-
Oregon	64.0	21.2	26.6	24.2	26.4	1.2
Pennsylvania	19.6	4.0	1.4	2.7	1.3	1.6
South Carolina	53.3	24.6	(Z)	3.4	13.6	1.4
South Dakota	26.3	4.0	3.1	8.0	8.1	0.9
Tennessee	15.1	3.0	(Z)	1.7	1.6	2.8
Texas	4.5	0.7	-	1.0	3.9	0.7
Utah	67.5	26.5	25.1	29.5	1.0	1.2
Vermont	25.9	15.1	(Z)	-	2.0	0.9
Virginia	33.5	14.1	(Z)	(Z)	2.9	2.0
Washington	12.0	1.9	1.4	4.7	(Z)	0.9
West Virginia	20.7	6.3	-	1.2	1.7	-
Wisconsin	54.9	1.2	0.9	7.4	0.8	2.2
Wyoming	10.1	1.3	0.7	0.7	1.1	1.9
Other States ⁴	30.7	21.8	(Z)	-	6.5	(Z)
United States	32.5	7.6	4.0	7.7	6.8	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.

Colony Health Stressors with Five or More Colonies – States and United States: October-December 2023

[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	72.0	62.4	8.2	2.1	14.5	5.1
Arizona	24.8	-	-	0.7	1.0	16.9
Arkansas	60.8	9.6	8.5	8.3	0.6	2.6
California	33.7	3.8	3.4	2.4	3.2	2.9
Colorado	11.4	-	-	-	0.7	5.3
Connecticut	5.0	(Z)	-	-	3.6	1.5
Florida	38.7	14.9	4.1	30.3	17.4	14.1
Georgia	42.0	15.8	3.2	2.9	18.8	10.1
Idaho	55.3	1.0	10.2	8.3	0.8	1.2
Illinois	32.3	15.8	0.5	5.8	2.8	4.7
Indiana	47.5	32.8	5.8	8.4	2.0	(Z)
Iowa	19.1	12.1	(Z)	12.1	0.9	(Z)
Kansas	63.6	51.4	-	43.2	41.5	41.3
Kentucky	28.7	10.9	-	11.8	4.7	3.2
Louisiana	10.1	1.1	-	1.1	1.7	1.4
Maine	23.3	3.8	0.1	-	0.5	2.8
Maryland	33.8	19.0	-	-	(Z)	3.1
Massachusetts	8.8	0.6	4.6	(Z)	0.5	(Z)
Michigan	13.3	2.2	3.1	2.3	9.2	2.3
Minnesota	25.9	3.0	0.5	9.2	0.8	3.6
Mississippi	16.0	0.6	-	0.8	12.9	3.1
Missouri	41.2	9.7	(Z)	(Z)	4.7	2.5
Montana	22.5	0.5	2.8	6.9	1.9	0.8
Nebraska	15.6	(Z)	0.5	0.6	7.9	1.6
New Jersey	12.5	2.8	(Z)	2.4	(Z)	1.2
New Mexico	24.6	3.4	4.1	2.2	13.6	3.8
New York	35.1	18.5	2.9	4.5	15.8	5.2
North Carolina	37.0	6.5	(Z)	(Z)	0.9	1.5
North Dakota	40.4	1.6	0.8	4.1	6.5	-
Ohio	34.4	14.3	1.5	2.5	2.1	16.4
Oklahoma	2.5	-	-	-	(Z)	(Z)
Oregon	51.1	2.5	3.0	0.5	0.7	1.4
Pennsylvania	30.1	10.4	(Z)	8.8	1.1	3.0
South Carolina	48.9	8.0	9.5	16.3	5.9	10.2
South Dakota	52.7	48.5	2.0	15.0	17.7	-
Tennessee	10.1	5.0	(Z)	2.1	1.1	1.8
Texas	36.1	12.3	-	23.2	16.2	9.5
Utah	43.3	15.0	15.6	5.2	15.7	2.4
Vermont	11.5	4.7	0.6	0.8	(Z)	1.4
Virginia	42.5	21.6	2.8	(Z)	4.9	3.8
Washington	46.5	1.2	6.9	0.9	8.9	24.2
West Virginia	15.0	4.0	(Z)	1.1	1.6	1.2
Wisconsin	28.6	5.2	5.2	6.1	0.6	2.5
Wyoming	13.2	0.1	-	2.0	1.5	1.6
Other States ⁴	49.7	40.4	12.7	2.8	3.6	2.2
United States	46.5	11.1	4.1	10.2	9.3	5.9

- 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 2024

[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	24.0	18.8	6.3	1.9	2.9	4.5
Arizona	15.5	0.5	1.4	0.6	(Z)	2.4
Arkansas	32.0	14.2	0.9	2.0	3.4	4.3
California	56.8	24.1	18.2	20.9	17.7	14.8
Colorado	5.4	4.3	(Z)	(Z)	1.8	1.0
Connecticut	7.8	0.9	-	(Z)	-	0.6
Florida	28.2	10.5	2.5	9.8	4.2	3.3
Georgia	18.5	8.9	0.5	1.1	3.6	5.7
Idaho	27.4	5.4	6.0	-	5.7	1.0
Illinois	34.6	13.9	2.4	4.6	2.5	11.5
Indiana	43.7	3.2	-	-	3.3	(Z)
Iowa	15.0	0.7	0.7	(Z)	3.2	1.7
Kansas	23.5	2.0	0.7	1.0	15.5	2.7
Kentucky	9.0	7.3	4.6	2.8	1.9	5.5
Louisiana	11.0	2.8	3.1	3.5	5.5	4.7
Maine	21.1	0.9	-	-	0.1	-
Maryland	24.7	12.4	(Z)	-	7.1	-
Massachusetts	3.7	0.8	(Z)	-	0.6	2.6
Michigan	4.3	0.6	0.5	1.1	1.0	1.4
Minnesota	11.9	(Z)	1.1	-	2.0	0.5
Mississippi	25.0	7.5	3.9	4.1	3.1	7.8
Missouri	15.0	2.1	0.6	0.5	7.5	3.5
Montana	(Z)	-	-	-	-	-
Nebraska	14.8	-	-	-	(Z)	0.8
New Jersey	20.7	3.2	-	-	1.7	4.1
New Mexico	91.9	0.5	74.0	-	0.7	(Z)
New York	21.5	4.8	10.5	1.7	4.8	1.8
North Carolina	29.2	1.2	(Z)	-	1.6	2.5
North Dakota	23.6	-	-	-	7.1	3.5
Ohio	35.3	9.7	2.1	1.7	5.4	3.1
Oklahoma	34.0	18.8	3.3	1.1	1.0	0.9
Oregon	24.3	1.5	22.6	22.3	-	(Z)
Pennsylvania	16.5	2.3	1.9	-	3.2	5.7
South Carolina	36.1	7.4	(Z)	1.8	3.3	3.5
South Dakota	42.9	2.7	2.7	(Z)	-	(Z)
Tennessee	13.6	5.4	(Z)	0.7	2.1	10.4
Texas	22.2	5.6	0.9	4.5	1.8	2.7
Utah	13.2	5.3	6.6	0.7	(Z)	4.5
Vermont	6.8	1.2	(Z)	0.8	4.0	1.7
Virginia	21.0	7.5	1.4	1.1	4.4	3.1
Washington	18.4	-	-	-	2.8	8.8
West Virginia	12.9	2.4	(Z)	-	3.9	2.0
Wisconsin	11.3	1.7	0.6	(Z)	1.7	2.7
Wyoming	21.0	(Z)	-	-	20.0	0.9
Other States ⁴	29.7	22.0	1.1	(Z)	5.1	(Z)
United States	43.3	15.0	10.9	12.4	10.6	9.1

- 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 2024

[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	62.4	23.4	3.9	2.4	5.2	1.3
Arizona	11.7	(Z)	(Z)	1.0	1.0	-
Arkansas	34.4	14.6	2.7	12.7	15.0	8.6
California	55.0	30.7	1.8	29.3	16.8	4.6
Colorado	1.2	-	-	(Z)	0.9	(Z)
Connecticut	6.3	1.1	(Z)	(Z)	2.5	(Z)
Florida	44.4	13.7	2.9	13.3	13.1	2.0
Georgia	31.6	10.8	1.2	2.5	9.1	2.2
Idaho	32.7	6.6	3.0	1.2	12.2	(Z)
Illinois	32.0	13.4	0.6	0.6	3.6	3.2
Indiana	21.9	13.6	(Z)	-	1.8	1.7
Iowa	17.1	7.9	3.3	(Z)	7.8	1.2
Kansas	42.0	5.8	2.2	21.5	1.4	2.7
Kentucky	36.7	30.2	27.3	29.4	-	27.4
Louisiana	17.5	1.4	-	1.0	16.8	1.1
Maine	3.1	(Z)	(Z)	1.2	-	(Z)
Maryland	26.9	0.6	-	0.5	0.9	1.1
Massachusetts	6.6	0.8	0.5	-	2.1	(Z)
Michigan	24.4	10.5	9.7	7.6	4.2	4.8
Minnesota	24.4	2.4	0.9	0.8	0.5	0.5
Mississippi	24.7	1.3	-	(Z)	(Z)	14.3
Missouri	13.5	7.1	0.5	0.5	2.1	6.0
Montana	10.6	(Z)	1.4	3.4	(Z)	-
Nebraska	5.9	1.1	0.7	(Z)	0.7	3.5
New Jersey	16.6	3.0	1.5	1.0	0.9	0.7
New Mexico	26.7	(Z)	-	1.1	(Z)	2.1
New York	39.3	6.7	2.8	3.0	3.5	6.0
North Carolina	17.0	3.6	(Z)	(Z)	0.8	1.0
North Dakota	41.9	12.0	3.0	(Z)	17.6	1.4
Ohio	35.0	4.6	0.5	4.6	21.9	1.3
Oklahoma	13.4	2.3	1.9	1.5	7.8	(Z)
Oregon	5.3	0.9	3.5	2.2	(Z)	-
Pennsylvania	30.1	10.7	1.2	7.7	2.0	1.8
South Carolina	31.6	26.7	1.9	8.2	5.4	0.9
South Dakota	70.0	63.6	(Z)	23.8	65.0	(Z)
Tennessee	54.1	5.3	-	0.7	5.1	3.0
Texas	60.0	52.4	(Z)	1.6	5.5	0.6
Utah	9.6	(Z)	2.4	1.2	0.7	8.8
Vermont	5.6	1.1	1.1	-	0.5	(Z)
Virginia	23.4	8.5	6.6	(Z)	7.7	1.0
Washington	54.0	11.7	2.3	9.8	19.1	11.6
West Virginia	16.1	2.9	0.5	1.5	3.7	0.9
Wisconsin	30.0	11.3	11.1	3.9	5.2	16.5
Wyoming	12.4	1.3	(Z)	(Z)	-	2.6
Other States ⁴	39.1	32.9	32.0	33.7	7.3	3.8
United States	54.8	27.5	3.3	15.4	18.0	4.3

- 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.

⁴ Includes data for States not published in this table.

Colonies Lost with Colony Collapse Disorder Symptoms with Five or More Colonies – United States: 2023 and 2024

[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)
2023	107,630	54,530	74,570	95,840
2024	70,650	62,760		

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
Greg Lemmons, Acting Head, Poultry and Specialty Commodities Section	(202) 720-9526
Holly Brenize – Poultry Slaughter.....	(202) 720-0585
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
Shulonda Shaw – Cold Storage, Capacity of Refrigerated Warehouses	(202) 720-3240
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.