



PRESS RELEASE



NATIONAL AGRICULTURAL STATISTICS SERVICE

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Posted online August 1, 2018

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January 1 Honey Bee Colonies Down Slightly for Operations with Five or More Colonies

Honey bee colonies for operations with five or more colonies in the United States on January 1, 2018 totaled 2.63 million colonies, down slightly from January 1, 2017. The number of colonies in the United States on April 1, 2018 was 2.69 million colonies. During 2017, honey bee colonies on January 1, April 1, July 1, and October 1 were 2.64 million, 2.69 million, 2.99 million, and 2.85 million colonies, respectively.

Honey bee colonies lost for operations with five or more colonies from January through March 2018, was 425 thousand colonies, or 16 percent. The number of colonies lost during the quarter of April through June 2018 was 270 thousand colonies, or 10 percent. During the quarter of October through December 2017, colonies lost totaled 425 thousand colonies, or 15 percent, the highest of any quarter in 2017. The quarter in 2017 with the lowest number of colonies lost was April through June, with 286 thousand colonies lost, or 11 percent.

Honey bee colonies added for operations with five or more colonies from January through March 2018 was 513 thousand colonies. The number of colonies added during the quarter of April through June 2018 was 726 thousand. During the quarter of April through June 2017, 613 thousand colonies were added, the highest number of honey bee colonies added for any quarter of 2017. The quarter of October through December 2017 added 205 thousand colonies, the least number of honey bee colonies added for any quarter of 2017.

Honey bee colonies renovated for operations with five or more colonies from January through March 2018 was 289 thousand colonies, or 11 percent. During the quarter of April through June 2018, 715 thousand colonies, or 27 percent, were renovated. The quarter in 2017 with the highest number of colonies renovated was April through June with 763 thousand colonies renovated, or 28 percent. The quarter in 2017 with the lowest number of colonies renovated was October through December 2017, with 214 thousand or 8 percent. Renovated colonies are those that were requeened or received new honey bees through a nuc or package.

Number of Colonies, Maximum, Lost, Percent Lost, Added, Renovated, and Percent Renovated with Five or More Colonies—Idaho, Oregon, Washington, and United States: January 1, 2017 and January-March 2017

State	January 1 number of 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)
Idaho	95,000	99,000	8,500	9	2,000	280	(Z)
Oregon.....	71,000	90,000	8,000	9	7,500	1,400	2
Washington.....	68,000	104,000	9,000	9	8,500	-	-
United States	2,641,090	(X)	398,650	15	478,240	241,210	9

- Represents zero.

(X) Not applicable.

(Z) Less than half of the unit shown.

¹ January 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 January 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 January 1 number of colonies.

Number of Colonies, Maximum, Lost, Percent Lost, Added, Renovated, and Percent Renovated with Five or More Colonies—Idaho, Oregon, Washington, and United States: April 1, 2017 and April-June 2017

State	April 1 number of 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)
Idaho	61,000	78,000	10,500	13	22,000	31,000	40
Oregon.....	71,000	92,000	5,000	5	15,500	22,000	24
Washington.....	75,000	111,000	7,000	6	30,000	20,000	18
United States	2,694,150	(X)	285,590	11	613,360	762,550	28

(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.

Number of Colonies, Maximum, Lost, Percent Lost, Added, Renovated, and Percent Renovated with Five or More Colonies—Idaho, Oregon, Washington, and United States: July 1, 2017 and July-September 2017

State	July 1 number of 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)
Idaho	89,000	116,000	12,000	10	9,000	16,500	14
Oregon.....	94,000	101,000	13,500	13	7,500	28,000	28
Washington.....	82,000	92,000	17,000	18	5,500	10,500	11
United States	2,994,500	(X)	394,810	13	284,370	449,550	15

(X) Not applicable.

¹ July 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 July 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 July 1 number of colonies.

Number of Colonies, Maximum, Lost, Percent Lost, Added, Renovated, and Percent Renovated with Five or More Colonies—Idaho, Oregon, Washington, and United States: October 1, 2017 and October-December 2017

State	October 1 number of 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)
Idaho	113,000	164,000	9,000	5	10,000	5,000	3
Oregon	94,000	94,000	10,000	11	70	18,500	20
Washington	66,000	72,000	4,000	6	2,900	14,000	19
United States	2,849,770	(X)	424,860	15	204,510	213,990	8

(X) Not applicable.

¹ October 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 October 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 October 1 number of colonies.

Number of Colonies, Maximum, Lost, Percent Lost, Added, Renovated, and Percent Renovated with Five or More Colonies—Idaho, Oregon, Washington, and United States: January 1, 2018 and January-March 2018

State	January 1 number of 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)
Idaho	164,000	168,000	22,000	13	2,500	2,600	2
Oregon	81,000	89,000	4,100	5	17,000	3,900	4
Washington	44,000	89,000	4,600	5	7,000	860	1
United States	2,631,220	(X)	425,220	16	512,940	288,750	11

(X) Not applicable.

¹ January 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 January 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 January 1 number of colonies.

Number of Colonies, Maximum, Lost, Percent Lost, Added, Renovated, and Percent Renovated with Five or More Colonies—Idaho, Oregon, Washington, and United States: April 1, 2018 and April-June 2018

State	April 1 number of 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)
Idaho	60,000	95,000	4,800	5	17,000	29,000	31
Oregon	41,000	106,000	3,400	3	23,000	24,000	23
Washington	55,000	122,000	6,500	5	19,000	18,900	15
United States	2,692,660	(X)	270,000	10	725,650	715,110	27

(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.

Colony Health Stressors with Five or More Colonies—Idaho, Oregon, Washington, and United States: January-March 2017

[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)
Idaho	74.2	42.3	42.3	21.2	1.7	0.4
Oregon.....	28.7	8.5	10.1	9.1	15.4	8.5
Washington.....	6.8	0.1	-	-	8.0	4.4
United States	42.2	15.5	7.0	8.9	7.2	7.4

- Represents zero.

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.

Colony Health Stressors with Five or More Colonies—Idaho, Oregon, Washington, and United States: April-June 2017

[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)
Idaho	30.5	6.4	4.0	8.3	7.8	4.8
Oregon.....	37.2	10.6	8.8	3.5	15.8	11.3
Washington.....	21.3	5.0	4.2	7.5	3.6	0.4
United States	40.9	10.9	4.6	12.3	7.0	4.9

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.

Colony Health Stressors with Five or More Colonies—Idaho, Oregon, Washington, and United States: July-September 2017

[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)
Idaho	53.7	19.1	6.7	15.5	9.5	5.1
Oregon.....	54.4	10.6	11.3	13.2	6.4	1.8
Washington.....	23.7	2.7	2.0	1.2	0.7	2.4
United States	45.5	15.0	4.8	10.9	11.6	4.9

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.

Colony Health Stressors with Five or More Colonies—Idaho, Oregon, Washington, and United States: October-December 2017

[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)
Idaho	34.0	16.9	17.7	14.9	1.7	0.2
Oregon	50.6	23.3	28.0	14.2	3.9	1.8
Washington	21.7	6.0	(Z)	0.3	0.4	0.2
United States	55.3	18.9	9.4	15.0	11.1	7.6

(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.

Colony Health Stressors with Five or More Colonies—Idaho, Oregon, Washington, and United States: January-March 2018

[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)
Idaho	28.3	5.7	0.8	3.4	3.4	0.4
Oregon	36.0	0.7	1.2	6.7	3.7	1.0
Washington	8.5	0.9	1.0	1.9	0.4	0.4
United States	40.8	12.7	4.3	10.3	8.7	7.2

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.

Colony Health Stressors with Five or More Colonies—Idaho, Oregon, Washington, and United States: April-June 2018

[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)
Idaho	50.8	4.0	3.2	18.0	4.0	4.1
Oregon	45.9	3.5	8.1	6.6	15.5	0.2
Washington	55.9	9.4	7.6	7.6	7.1	0.6
United States	53.4	19.0	11.4	13.0	14.4	9.1

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

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

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

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