



# PRESS RELEASE



## NATIONAL AGRICULTURAL STATISTICS SERVICE

United States Department of Agriculture • Washington, DC 20250

Northwest Regional Field Office • Olympia, WA 98507

Ag Statistics Hotline: 1-800-727-9540 • [www.nass.usda.gov](http://www.nass.usda.gov)

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### Regional Contacts

**Phone:** 1-800-435-5883

**Email:** [nassrfonwr@usda.gov](mailto:nassrfonwr@usda.gov)

- Washington – Dennis Koong, Deputy Regional Director
- Idaho – Ben Johnson, State Statistician
- Oregon – Dave Losh, State Statistician
- Alaska – Dennis Koong, Deputy Regional Director

## **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.

**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, 2021 and January-March 2021**

State	January 1 number of colonies	January-March					
		Maximum colonies <sup>1</sup>	Lost colonies	Percent lost <sup>2</sup>	Added colonies	Renovated colonies <sup>3</sup>	Percent renovated <sup>4</sup>
	(number)	(number)	(number)	(percent)	(number)	(number)	(percent)
Idaho .....	167,000	193,000	14,500	8	11,000	9,000	5
Oregon.....	76,000	80,000	3,100	4	1,600	610	1
Washington.....	48,000	70,000	5,500	8	9,500	850	1
United States .....	2,903,240	(X)	464,640	16	417,490	157,600	5

(X) Not applicable.

<sup>1</sup> January 1 number of colonies plus all colonies moved into that state during the quarter.

<sup>2</sup> Percent lost is the number of lost colonies divided by maximum colonies except for the United States, where percent lost is the number of lost colonies divided by the January 1 number of colonies.

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

<sup>4</sup> Percent renovated is the number of renovated colonies divided by maximum colonies except for the United States, where percent renovated is the number of renovated colonies divided by the 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, 2021 and April-June 2021**

State	April 1 number of colonies	April-June					
		Maximum colonies <sup>1</sup>	Lost colonies	Percent lost <sup>2</sup>	Added colonies	Renovated colonies <sup>3</sup>	Percent renovated <sup>4</sup>
	(number)	(number)	(number)	(percent)	(number)	(number)	(percent)
Idaho .....	86,000	120,000	19,500	16	40,000	19,000	16
Oregon.....	60,000	108,000	3,300	3	25,000	19,500	18
Washington.....	66,000	122,000	2,900	2	9,500	2,600	2
United States .....	2,829,520	(X)	352,280	12	665,730	475,750	17

(X) Not applicable.

<sup>1</sup> April 1 number of colonies plus all colonies moved into that state during the quarter.

<sup>2</sup> Percent lost is the number of lost colonies divided by maximum colonies except for the United States, where percent lost is the number of lost colonies divided by the April 1 number of colonies.

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

<sup>4</sup> Percent renovated is the number of renovated colonies divided by maximum colonies except for the United States, where percent renovated is the number of renovated colonies divided by the 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, 2021 and July-September 2021**

State	July 1 number of colonies	July-September					
		Maximum colonies <sup>1</sup>	Lost colonies	Percent lost <sup>2</sup>	Added colonies	Renovated colonies <sup>3</sup>	Percent renovated <sup>4</sup>
	(number)	(number)	(number)	(percent)	(number)	(number)	(percent)
Idaho .....	86,000	135,000	3,500	3	7,000	3,000	2
Oregon.....	130,000	132,000	14,000	11	9,000	13,500	10
Washington.....	72,000	79,000	4,900	6	4,300	15,500	20
United States .....	3,173,390	(X)	295,660	9	194,900	226,820	7

(X) Not applicable.

<sup>1</sup> July 1 number of colonies plus all colonies moved into that state during the quarter.

<sup>2</sup> Percent lost is the number of lost colonies divided by maximum colonies except for the United States, where percent lost is the number of lost colonies divided by the July 1 number of colonies.

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

<sup>4</sup> Percent renovated is the number of renovated colonies divided by maximum colonies except for the United States, where percent renovated is the number of renovated colonies divided by the 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, 2021 and October-December 2021**

State	October 1 number of colonies	October-December					
		Maximum colonies <sup>1</sup>	Lost colonies	Percent lost <sup>2</sup>	Added colonies	Renovated colonies <sup>3</sup>	Percent renovated <sup>4</sup>
	(number)	(number)	(number)	(percent)	(number)	(number)	(percent)
Idaho .....	141,000	230,000	22,000	10	250	4,300	2
Oregon .....	103,000	103,000	10,500	10	680	29,000	28
Washington .....	79,000	83,000	6,500	8	1,400	2,300	3
United States .....	3,091,790	(X)	329,110	11	93,940	146,520	5

(X) Not applicable.

<sup>1</sup> October 1 number of colonies plus all colonies moved into that state during the quarter.

<sup>2</sup> Percent lost is the number of lost colonies divided by maximum colonies except for the United States, where percent lost is the number of lost colonies divided by the October 1 number of colonies.

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

<sup>4</sup> Percent renovated is the number of renovated colonies divided by maximum colonies except for the United States, where percent renovated is the number of renovated colonies divided by the 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, 2022 and January-March 2022**

State	January 1 number of colonies	January-March					
		Maximum colonies <sup>1</sup>	Lost colonies	Percent lost <sup>2</sup>	Added colonies	Renovated colonies <sup>3</sup>	Percent renovated <sup>4</sup>
	(number)	(number)	(number)	(percent)	(number)	(number)	(percent)
Idaho .....	194,000	215,000	8,000	4	7,500	1,000	(Z)
Oregon .....	92,000	95,000	5,000	5	2,400	310	(Z)
Washington .....	70,000	102,000	7,500	7	1,400	6,000	6
United States .....	2,875,770	(X)	331,780	12	367,890	187,180	7

(X) Not applicable.

(Z) Less than half of the unit shown.

<sup>1</sup> January 1 number of colonies plus all colonies moved into that state during the quarter.

<sup>2</sup> Percent lost is the number of lost colonies divided by maximum colonies except for the United States, where percent lost is the number of lost colonies divided by the January 1 number of colonies.

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

<sup>4</sup> Percent renovated is the number of renovated colonies divided by maximum colonies except for the United States, where percent renovated is the number of renovated colonies divided by the 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, 2022 and April-June 2022**

State	April 1 number of colonies	April-June					
		Maximum colonies <sup>1</sup>	Lost colonies	Percent lost <sup>2</sup>	Added colonies	Renovated colonies <sup>3</sup>	Percent renovated <sup>4</sup>
	(number)	(number)	(number)	(percent)	(number)	(number)	(percent)
Idaho .....	103,000	111,000	14,500	13	35,000	8,500	8
Oregon .....	94,000	96,000	4,200	4	12,500	19,500	20
Washington .....	97,000	109,000	6,000	6	12,500	23,000	21
United States .....	2,921,590	(X)	282,630	10	589,630	492,410	17

(X) Not applicable.

<sup>1</sup> April 1 number of colonies plus all colonies moved into that state during the quarter.

<sup>2</sup> Percent lost is the number of lost colonies divided by maximum colonies except for the United States, where percent lost is the number of lost colonies divided by the April 1 number of colonies.

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

<sup>4</sup> Percent renovated is the number of renovated colonies divided by maximum colonies except for the United States, where percent renovated is the number of renovated colonies divided by the April 1 number of colonies.

**Colony Health Stressors with Five or More Colonies—Idaho, Oregon, Washington, 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 <sup>1</sup>	Diseases <sup>2</sup>	Pesticides	Other <sup>3</sup>	Unknown
	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)
Idaho .....	30.0	9.9	-	8.9	1.6	1.5
Oregon.....	12.8	10.7	1.4	(Z)	1.2	0.6
Washington.....	14.8	2.3	1.0	(Z)	4.5	(Z)
United States .....	33.0	8.9	2.3	6.4	6.7	3.4

- Represents zero.

(Z) Less than half of the unit shown.

<sup>1</sup> Tracheal mites, nosema, hive beetle, wax moths, etc.

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

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

**Colony Health Stressors with Five or More Colonies—Idaho, Oregon, Washington, 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 <sup>1</sup>	Diseases <sup>2</sup>	Pesticides	Other <sup>3</sup>	Unknown
	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)
Idaho .....	31.9	1.9	5.4	9.9	2.0	6.2
Oregon.....	17.2	8.3	6.2	10.1	6.5	1.8
Washington.....	31.7	19.1	8.4	1.2	4.7	(Z)
United States .....	50.7	12.8	5.2	12.4	10.0	3.9

(Z) Less than half of the unit shown.

<sup>1</sup> Tracheal mites, nosema, hive beetle, wax moths, etc.

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

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

## Colony Health Stressors with Five or More Colonies—Idaho, Oregon, Washington, 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 <sup>1</sup>	Diseases <sup>2</sup>	Pesticides	Other <sup>3</sup>	Unknown
	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)
Idaho .....	55.2	1.8	2.6	7.0	7.0	1.5
Oregon .....	39.4	8.4	3.4	10.9	9.6	1.3
Washington .....	34.3	2.2	4.9	2.3	12.7	1.6
United States .....	38.0	11.6	5.5	9.2	9.3	4.5

<sup>1</sup> Tracheal mites, nosema, hive beetle, wax moths, etc.

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

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

## Colony Health Stressors with Five or More Colonies—Idaho, Oregon, Washington, 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 <sup>1</sup>	Diseases <sup>2</sup>	Pesticides	Other <sup>3</sup>	Unknown
	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)
Idaho .....	58.1	8.0	4.9	12.0	4.0	11.2
Oregon .....	28.8	23.3	8.7	2.0	1.3	(Z)
Washington .....	42.3	2.7	2.0	2.5	7.6	0.8
United States .....	33.6	10.6	3.9	5.6	5.4	4.7

(Z) Less than half of the unit shown.

<sup>1</sup> Tracheal mites, nosema, hive beetle, wax moths, etc.

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

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

## Colony Health Stressors with Five or More Colonies—Idaho, Oregon, Washington, 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 <sup>1</sup>	Diseases <sup>2</sup>	Pesticides	Other <sup>3</sup>	Unknown
	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)
Idaho .....	57.0	1.1	(Z)	15.5	1.4	1.3
Oregon.....	11.4	-	-	1.4	(Z)	1.1
Washington.....	8.3	4.0	3.6	-	2.6	(Z)
United States .....	33.7	8.4	2.5	5.8	4.5	4.2

- Represents zero.

(Z) Less than half of the unit shown.

<sup>1</sup> Tracheal mites, nosema, hive beetle, wax moths, etc.

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

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

## Colony Health Stressors with Five or More Colonies—Idaho, Oregon, Washington, 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 <sup>1</sup>	Diseases <sup>2</sup>	Pesticides	Other <sup>3</sup>	Unknown
	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)
Idaho .....	32.6	13.1	5.6	13.7	9.5	3.5
Oregon.....	49.3	23.2	9.5	16.1	17.5	(Z)
Washington.....	50.8	7.3	4.3	3.4	14.2	1.6
United States .....	45.2	21.2	3.9	6.7	15.1	3.5

(Z) Less than half of the unit shown.

<sup>1</sup> Tracheal mites, nosema, hive beetle, wax moths, etc.

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

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

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