



Chickens and Eggs

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October Egg Production Up 3 Percent

United States egg production totaled 9.22 billion during October 2018, up 3 percent from last year. Production included 8.04 billion table eggs, and 1.18 billion hatching eggs, of which 1.10 billion were broiler-type and 86.3 million were egg-type. The average number of layers during October 2018 totaled 386 million, up 2 percent from last year. October egg production per 100 layers was 2,388 eggs, up 1 percent from October 2017.

All layers in the United States on November 1, 2018 totaled 386 million, up 2 percent from last year. The 386 million layers consisted of 326 million layers producing table or market type eggs, 57.6 million layers producing broiler-type hatching eggs, and 3.31 million layers producing egg-type hatching eggs. Rate of lay per day on November 1, 2018, averaged 77.1 eggs per 100 layers, up 1 percent from November 1, 2017.

Egg-Type Chicks Hatched Up 7 Percent

Egg-type chicks hatched during October 2018 totaled 55.0 million, up 7 percent from October 2017. Eggs in incubators totaled 45.2 million on November 1, 2018, down slightly from a year ago.

Domestic placements of egg-type pullet chicks for future hatchery supply flocks by leading breeders totaled 225 thousand during October 2018, up 14 percent from October 2017.

Broiler-Type Chicks Hatched Down Slightly

Broiler-type chicks hatched during October 2018 totaled 790 million, down slightly from October 2017. Eggs in incubators totaled 649 million on November 1, 2018, down slightly from a year ago.

Leading breeders placed 7.28 million broiler-type pullet chicks for future domestic hatchery supply flocks during October 2018, down 4 percent from October 2017.

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Average Layers During the Month – United States: 2017-2018

[Blank data cells indicate estimation period has not yet begun]

Month	2017		2018	
	(1,000 layers)		(1,000 layers)	
December ¹		377,371		382,301
January		377,198		382,255
February		376,341		384,086
March		376,257		386,512
April		375,748		386,754
May		373,642		386,325
June		372,430		385,900
July		372,632		384,953
August		373,901		385,048
September		375,748		385,834
October		378,028		386,176
November		380,820		

¹ December previous year.

Egg Production During the Month by Type – United States: 2017-2018

[Blank data cells indicate estimation period has not yet begun]

Month	Total eggs		Table eggs		Hatching eggs	
	2017	2018	2017	2018	2017	2018
	(million eggs)	(million eggs)	(million eggs)	(million eggs)	(million eggs)	(million eggs)
December ¹	9,099.7	9,104.1	7,953.9	7,963.9	1,145.8	1,140.2
January	9,053.4	8,984.9	7,916.4	7,841.8	1,137.0	1,143.1
February	8,124.2	8,145.4	7,095.8	7,099.8	1,028.4	1,045.6
March	9,006.5	9,098.9	7,861.5	7,932.0	1,145.0	1,166.9
April	8,686.6	8,806.3	7,572.8	7,665.0	1,113.8	1,141.3
May	8,917.8	9,122.5	7,764.5	7,932.6	1,153.3	1,189.9
June	8,636.0	8,831.8	7,513.8	7,670.4	1,122.2	1,161.4
July	8,952.9	9,100.4	7,782.1	7,900.7	1,170.8	1,199.7
August	8,922.3	9,165.5	7,755.2	7,967.9	1,167.1	1,197.6
September	8,578.3	8,913.5	7,456.6	7,759.8	1,121.7	1,153.7
October	8,920.2	9,220.1	7,763.3	8,035.2	1,156.9	1,184.9
November	8,790.8		7,676.3		1,114.5	

¹ December previous year.

Egg Production During the Month in Dozens by Type – United States: 2017-2018

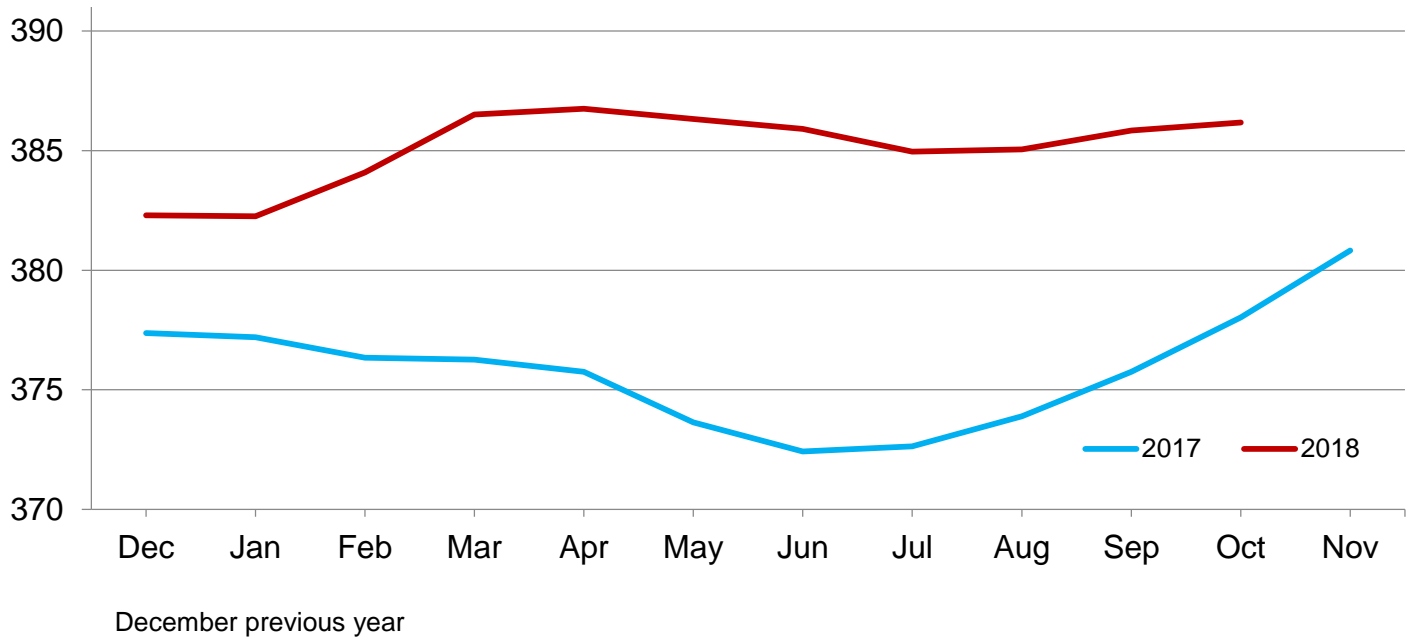
[Blank data cells indicate estimation period has not yet begun]

Month	Total eggs		Table eggs		Hatching eggs	
	2017	2018	2017	2018	2017	2018
	(1,000 dozen eggs)	(1,000 dozen eggs)	(1,000 dozen eggs)	(1,000 dozen eggs)	(1,000 dozen eggs)	(1,000 dozen eggs)
December ¹	758,308.1	758,675.4	662,824.8	663,658.3	95,483.3	95,017.1
January	754,450.2	748,741.7	659,699.8	653,483.3	94,750.4	95,258.4
February	677,016.7	678,784.0	591,316.9	591,650.7	85,699.8	87,133.3
March	750,542.0	758,241.5	655,125.1	660,999.7	95,416.9	97,241.8
April	723,883.8	733,858.1	631,067.0	638,750.0	92,816.8	95,108.1
May	743,150.1	760,207.7	647,041.4	661,049.7	96,108.7	99,158.0
June	719,667.1	735,983.6	626,150.1	639,200.3	93,517.0	96,783.3
July	746,075.8	758,366.8	648,508.7	658,391.7	97,567.1	99,975.1
August	743,525.7	763,791.1	646,266.9	663,991.5	97,258.8	99,799.6
September	714,858.2	742,791.7	621,383.2	646,650.0	93,475.0	96,141.7
October	743,350.7	768,342.0	646,941.9	669,600.3	96,408.8	98,741.7
November	732,566.8		639,691.9		92,874.9	

¹ December previous year.

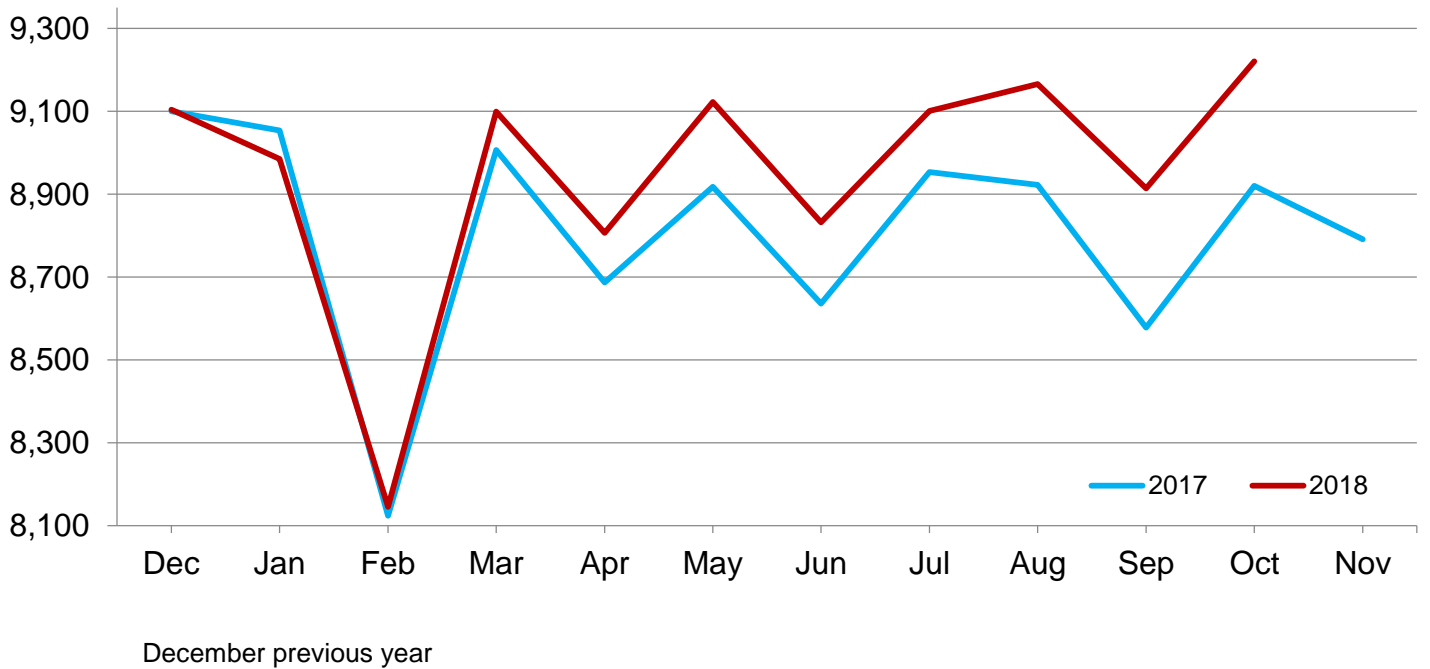
Average Layers During the Month – United States

Million layers



All Egg Production During the Month – United States

Million eggs



**Layers on Hand and Eggs Produced by Type and Molt – United States:
September-October 2017 and 2018**

Item	2017	2018	2018 as percent of 2017
Layers during September			
All layers 1,000	375,748	385,834	103
Table egg type 1,000	315,502	324,913	103
Hatching egg type 1,000	60,246	60,921	101
Broiler-type hatching 1,000	57,057	57,418	101
Egg-type hatching 1,000	3,189	3,503	110
Eggs per 100 layers during September			
All layers number	2,283	2,310	101
Table egg type number	2,363	2,388	101
Hatching egg type number	1,862	1,894	102
Broiler-type hatching number	1,840	1,860	101
Egg-type hatching number	2,251	2,441	108
Eggs produced during September			
All layers million	8,578.3	8,913.5	104
Table egg type million	7,456.6	7,759.8	104
Hatching egg type million	1,121.7	1,153.7	103
Broiler-type hatching million	1,049.9	1,068.2	102
Egg-type hatching million	71.8	85.5	119
Eggs produced during September			
All layers 1,000 dozen	714,858.2	742,791.7	104
Table egg type 1,000 dozen	621,383.2	646,650.0	104
Hatching egg type 1,000 dozen	93,475.0	96,141.7	103
Broiler-type hatching 1,000 dozen	87,491.7	89,016.6	102
Egg-type hatching 1,000 dozen	5,983.3	7,125.1	119
Layers on October 1			
All layers 1,000	376,694	385,860	102
Table egg type 1,000	316,125	324,991	103
Hatching egg type 1,000	60,569	60,869	100
Broiler-type hatching 1,000	57,371	57,401	100
Egg-type hatching 1,000	3,198	3,468	108
Eggs per 100 layers on October 1			
All layers number	75.8	76.8	101
Table egg type number	78.5	79.5	101
Hatching egg type number	61.8	62.8	102
Broiler-type hatching number	61.2	61.6	101
Egg-type hatching number	72.4	81.7	113
Molted layers on October 1			
Being molted percent	2.9	2.2	76
Molt completed percent	16.2	15.2	94
Layers sold for slaughter during September 1,000	13,038.2	14,132.6	108
Layers rendered, died, destroyed, composted or disappeared for any reason during September 1,000	8,636.6	9,968.1	115
Pullets on October 1 1,000	114,240	126,047	110
Pullets added during September ¹ 1,000	23,406.3	25,814.2	110

¹ Pullet chicks less than 3 days old added to pullet flocks.

**Layers on Hand and Eggs Produced by Type and Molt – United States:
October-November 2017 and 2018**

Item	2017	2018	2018 as percent of 2017
Layers during October			
All layers 1,000	378,028	386,176	102
Table egg type 1,000	317,758	325,280	102
Hatching egg type 1,000	60,270	60,896	101
Broiler-type hatching 1,000	57,117	57,502	101
Egg-type hatching 1,000	3,153	3,394	108
Eggs per 100 layers during October			
All layers number	2,360	2,388	101
Table egg type number	2,443	2,470	101
Hatching egg type number	1,920	1,946	101
Broiler-type hatching number	1,898	1,911	101
Egg-type hatching number	2,306	2,543	110
Eggs produced during October			
All layers million	8,920.2	9,220.1	103
Table egg type million	7,763.3	8,035.2	104
Hatching egg type million	1,156.9	1,184.9	102
Broiler-type hatching million	1,084.2	1,098.6	101
Egg-type hatching million	72.7	86.3	119
Eggs produced during October			
All layers 1,000 dozen	743,350.7	768,342.0	103
Table egg type 1,000 dozen	646,941.9	669,600.3	104
Hatching egg type 1,000 dozen	96,408.8	98,741.7	102
Broiler-type hatching 1,000 dozen	90,350.3	91,550.1	101
Egg-type hatching 1,000 dozen	6,058.5	7,191.6	119
Layers on November 1			
All layers 1,000	379,323	386,461	102
Table egg type 1,000	319,373	325,556	102
Hatching egg type 1,000	59,950	60,905	102
Broiler-type hatching 1,000	56,852	57,595	101
Egg-type hatching 1,000	3,098	3,310	107
Eggs per 100 layers on November 1			
All layers number	76.3	77.1	101
Table egg type number	79.0	79.8	101
Hatching egg type number	62.0	62.7	101
Broiler-type hatching number	61.2	61.6	101
Egg-type hatching number	76.1	82.8	109
Molted layers on November 1			
Being molted percent	2.0	1.5	75
Molt completed percent	16.8	15.0	89
Layers sold for slaughter during October 1,000	14,586.3	13,383.5	92
Layers rendered, died, destroyed, composted or disappeared for any reason during October 1,000	8,796.1	10,709.6	122
Pullets on November 1 1,000	113,246	125,643	111
Pullets added during October ¹ 1,000	26,785.9	25,880.8	97

¹ Pullet chicks less than 3 days old added to pullet flocks.

Layers on Hand and Eggs Produced – States and United States: During September 2017 and 2018

State	Table egg layers in flocks 30,000 and above		All layers		Eggs per 100 for all layers	
	2017	2018	2017	2018	2017	2018
	(1,000 layers)	(1,000 layers)	(1,000 layers)	(1,000 layers)	(eggs)	(eggs)
Alabama	1,376	1,315	9,301	9,548	1,862	1,867
Arkansas	3,879	3,968	13,944	13,899	2,005	2,030
California	13,100	14,000	13,731	14,648	2,325	2,434
Colorado	4,249	4,363	4,651	4,765	2,415	2,537
Florida	6,829	6,985	7,266	7,402	2,164	2,197
Georgia	9,392	8,922	19,242	19,335	2,024	2,057
Illinois	4,413	5,036	4,882	5,495	2,425	2,429
Indiana	32,306	31,892	33,155	32,721	2,369	2,374
Iowa	53,846	56,419	55,271	57,827	2,322	2,343
Maryland	2,647	2,587	2,807	2,738	2,426	2,367
Michigan	13,820	15,643	14,041	15,865	2,463	2,394
Minnesota	9,805	10,750	10,285	11,236	2,383	2,473
Mississippi	1,432	1,455	5,555	5,516	2,115	2,078
Missouri	6,267	7,759	9,848	11,450	2,280	2,367
Nebraska	7,484	7,921	7,753	8,239	2,418	2,502
New York	5,064	4,921	5,432	5,311	2,548	2,487
North Carolina	7,038	4,675	15,284	12,587	2,113	2,066
Ohio	29,910	31,654	30,817	32,647	2,351	2,383
Oregon	2,221	2,109	2,360	2,248	2,585	2,585
Pennsylvania	25,751	25,744	27,643	27,860	2,434	2,430
South Carolina	3,059	3,196	4,291	4,414	2,272	2,114
South Dakota	2,307	2,654	2,449	2,796	2,364	2,486
Texas	17,445	17,699	21,694	22,002	2,189	2,204
Utah	4,965	4,516	5,003	4,554	2,471	2,505
Virginia	862	778	2,589	2,412	2,240	2,065
Washington	6,963	6,896	7,128	7,061	2,431	2,485
Wisconsin	5,780	5,996	6,463	6,679	2,240	2,390
Other States ¹	23,873	25,310	32,863	34,579	2,196	2,268
United States	306,083	315,163	375,748	385,834	2,283	2,310

¹ Includes data for States not published in this table.

Layers on Hand and Eggs Produced – States and United States: During October 2017 and 2018

State	Table egg layers in flocks 30,000 and above		All layers		Eggs per 100 for all layers	
	2017	2018	2017	2018	2017	2018
	(1,000 layers)	(1,000 layers)	(1,000 layers)	(1,000 layers)	(eggs)	(eggs)
Alabama	1,373	1,326	9,486	9,487	1,924	1,931
Arkansas	3,952	4,095	13,932	13,997	2,054	2,058
California	13,862	13,852	14,499	14,495	2,335	2,554
Colorado	4,176	4,572	4,578	4,974	2,650	2,589
Florida	6,944	6,993	7,346	7,381	2,307	2,261
Georgia	9,447	8,929	19,405	19,610	2,124	2,141
Illinois	4,412	4,905	4,855	5,373	2,509	2,453
Indiana	32,128	31,781	32,993	32,600	2,481	2,430
Iowa	54,108	56,390	55,529	57,825	2,403	2,422
Maryland	2,625	2,584	2,786	2,734	2,495	2,546
Michigan	14,099	15,569	14,320	15,784	2,508	2,468
Minnesota	9,792	10,777	10,237	11,247	2,428	2,506
Mississippi	1,406	1,430	5,521	5,501	2,193	2,171
Missouri	6,394	7,681	9,959	11,362	2,404	2,434
Nebraska	7,440	8,083	7,714	8,390	2,514	2,553
New York	4,992	4,979	5,364	5,380	2,623	2,502
North Carolina	6,943	4,750	15,150	12,689	2,158	2,114
Ohio	30,280	31,805	31,189	32,799	2,419	2,469
Oregon	2,203	2,105	2,342	2,244	2,635	2,594
Pennsylvania	26,279	25,891	28,159	27,993	2,505	2,513
South Carolina	2,913	3,211	4,151	4,454	2,320	2,243
South Dakota	2,501	2,696	2,643	2,838	2,497	2,622
Texas	17,641	17,723	21,862	21,877	2,279	2,370
Utah	4,893	4,395	4,931	4,433	2,567	2,581
Virginia	849	879	2,519	2,499	2,342	2,109
Washington	6,637	6,918	6,802	7,083	2,493	2,640
Wisconsin	6,039	6,010	6,706	6,681	2,249	2,365
Other States ¹	24,011	25,201	33,050	34,446	2,263	2,347
United States	308,339	315,530	378,028	386,176	2,360	2,388

¹ Includes data for States not published in this table.

Egg Production by Type – States and United States: September 2017 and 2018

[Data by type of flock not shown for some States to avoid disclosing individual operations, data included in United States totals]

State	Total production		Table eggs		Hatching eggs	
	2017	2018	2017	2018	2017	2018
	(million eggs)	(million eggs)	(million eggs)	(million eggs)	(million eggs)	(million eggs)
Alabama	173.2	178.3	34.8	32.5	138.4	145.8
Arkansas	279.6	282.1	97.5	100.8	182.1	181.3
California	319.3	356.5	(D)	(D)	(D)	(D)
Colorado	112.3	120.9	(D)	(D)	(D)	(D)
Florida	157.2	162.6	151.9	157.2	5.3	5.4
Georgia	389.4	397.8	210.7	204.9	178.7	192.9
Illinois	118.4	133.5	114.0	129.8	4.4	3.7
Indiana	785.6	776.8	769.6	761.7	16.0	15.1
Iowa	1,283.6	1,354.6	1,267.3	1,335.7	16.3	18.9
Maryland	68.1	64.8	67.1	63.9	1.0	0.9
Michigan	345.8	379.8	(D)	(D)	(D)	(D)
Minnesota	245.1	277.9	239.1	271.7	6.0	6.2
Mississippi	117.5	114.6	37.7	35.8	79.8	78.8
Missouri	224.5	271.0	(D)	(D)	(D)	(D)
Nebraska	187.5	206.1	183.6	200.2	3.9	5.9
New York	138.4	132.1	(D)	(D)	(D)	(D)
North Carolina	322.9	260.0	172.9	113.7	150.0	146.3
Ohio	724.4	778.1	(D)	(D)	(D)	(D)
Oregon	61.0	58.1	61.0	58.1	-	-
Pennsylvania	672.8	677.0	646.0	646.6	26.8	30.4
South Carolina	97.5	93.3	74.9	71.5	22.6	21.8
South Dakota	57.9	69.5	57.9	69.5	-	-
Texas	474.8	485.0	(D)	(D)	(D)	(D)
Utah	123.6	114.1	123.6	114.1	-	-
Virginia	58.0	49.8	27.7	20.3	30.3	29.5
Washington	173.3	175.5	(D)	(D)	(D)	(D)
Wisconsin	144.8	159.6	(D)	(D)	(D)	(D)
Other States ¹	721.8	784.1	592.4	650.8	129.4	133.3
United States	8,578.3	8,913.5	7,456.6	7,759.8	1,121.7	1,153.7

- Represents zero.

(D) Withheld to avoid disclosing data for individual operations.

¹ Not published separately to avoid disclosing individual operations.

Egg Production by Type – States and United States: October 2017 and 2018

[Data by type of flock not shown for some States to avoid disclosing individual operations, data included in United States totals]

State	Total production		Table eggs		Hatching eggs	
	2017	2018	2017	2018	2017	2018
	(million eggs)	(million eggs)	(million eggs)	(million eggs)	(million eggs)	(million eggs)
Alabama	182.5	183.2	37.0	34.3	145.5	148.9
Arkansas	286.2	288.0	100.9	104.5	185.3	183.5
California	338.6	370.2	(D)	(D)	(D)	(D)
Colorado	121.3	128.8	(D)	(D)	(D)	(D)
Florida	169.5	166.9	164.4	162.2	5.1	4.7
Georgia	412.1	419.9	225.8	214.1	186.3	205.8
Illinois	121.8	131.8	117.8	127.7	4.0	4.1
Indiana	818.5	792.1	801.9	776.4	16.6	15.7
Iowa	1,334.3	1,400.3	1,317.5	1,379.5	16.8	20.8
Maryland	69.5	69.6	68.5	68.6	1.0	1.0
Michigan	359.1	389.5	(D)	(D)	(D)	(D)
Minnesota	248.6	281.9	242.2	276.0	6.4	5.9
Mississippi	121.1	119.4	37.6	37.2	83.5	82.2
Missouri	239.4	276.5	(D)	(D)	(D)	(D)
Nebraska	193.9	214.2	189.7	208.4	4.2	5.8
New York	140.7	134.6	(D)	(D)	(D)	(D)
North Carolina	327.0	268.3	171.7	118.7	155.3	149.6
Ohio	754.6	809.8	(D)	(D)	(D)	(D)
Oregon	61.7	58.2	61.7	58.2	-	-
Pennsylvania	705.4	703.5	680.0	671.9	25.4	31.6
South Carolina	96.3	99.9	73.3	77.2	23.0	22.7
South Dakota	66.0	74.4	66.0	74.4	-	-
Texas	498.2	518.4	(D)	(D)	(D)	(D)
Utah	126.6	114.4	126.6	114.4	-	-
Virginia	59.0	52.7	28.5	22.7	30.5	30.0
Washington	169.6	187.0	(D)	(D)	(D)	(D)
Wisconsin	150.8	158.0	(D)	(D)	(D)	(D)
Other States ¹	747.9	808.6	613.9	671.6	134.0	137.0
United States	8,920.2	9,220.1	7,763.3	8,035.2	1,156.9	1,184.9

- Represents zero.

(D) Withheld to avoid disclosing data for individual operations.

¹ Not published separately to avoid disclosing individual operations.

Egg Production in Dozens by Type – States and United States: September 2017 and 2018

[Data by type of flock not shown for some States to avoid disclosing individual operations, data included in United States totals]

State	Total production		Table eggs		Hatching eggs	
	2017	2018	2017	2018	2017	2018
	(1,000 dozen eggs)	(1,000 dozen eggs)	(1,000 dozen eggs)	(1,000 dozen eggs)	(1,000 dozen eggs)	(1,000 dozen eggs)
Alabama	14,433.3	14,858.3	2,900.0	2,708.3	11,533.3	12,150.0
Arkansas	23,300.0	23,508.3	8,125.0	8,400.0	15,175.0	15,108.3
California	26,608.4	29,708.4	(D)	(D)	(D)	(D)
Colorado	9,358.3	10,075.0	(D)	(D)	(D)	(D)
Florida	13,100.0	13,550.0	12,658.3	13,100.0	441.7	450.0
Georgia	32,450.0	33,150.0	17,558.3	17,075.0	14,891.7	16,075.0
Illinois	9,866.7	11,125.0	9,500.0	10,816.6	366.7	308.4
Indiana	65,466.7	64,733.3	64,133.3	63,475.0	1,333.4	1,258.3
Iowa	106,966.6	112,883.3	105,608.3	111,308.3	1,358.3	1,575.0
Maryland	5,675.0	5,400.0	5,591.7	5,325.0	83.3	75.0
Michigan	28,816.7	31,650.0	(D)	(D)	(D)	(D)
Minnesota	20,425.0	23,158.3	19,925.0	22,641.6	500.0	516.7
Mississippi	9,791.7	9,549.9	3,141.7	2,983.3	6,650.0	6,566.6
Missouri	18,708.3	22,583.4	(D)	(D)	(D)	(D)
Nebraska	15,625.0	17,175.0	15,300.0	16,683.3	325.0	491.7
New York	11,533.3	11,008.3	(D)	(D)	(D)	(D)
North Carolina	26,908.3	21,666.7	14,408.3	9,475.0	12,500.0	12,191.7
Ohio	60,366.6	64,841.7	(D)	(D)	(D)	(D)
Oregon	5,083.3	4,841.7	5,083.3	4,841.7	-	-
Pennsylvania	56,066.6	56,416.6	53,833.3	53,883.3	2,233.3	2,533.3
South Carolina	8,125.0	7,775.0	6,241.7	5,958.3	1,883.3	1,816.7
South Dakota	4,825.0	5,791.7	4,825.0	5,791.7	-	-
Texas	39,566.7	40,416.6	(D)	(D)	(D)	(D)
Utah	10,300.0	9,508.3	10,300.0	9,508.3	-	-
Virginia	4,833.4	4,150.1	2,308.4	1,691.7	2,525.0	2,458.4
Washington	14,441.7	14,625.0	(D)	(D)	(D)	(D)
Wisconsin	12,066.6	13,300.0	(D)	(D)	(D)	(D)
Other States ¹	60,150.0	65,341.8	49,366.7	54,233.5	10,783.3	11,108.3
United States	714,858.2	742,791.7	621,383.2	646,650.0	93,475.0	96,141.7

- Represents zero.

(D) Withheld to avoid disclosing data for individual operations.

¹ Not published separately to avoid disclosing individual operations.

Egg Production in Dozens by Type – States and United States: October 2017 and 2018

[Data by type of flock not shown for some States to avoid disclosing individual operations, data included in United States totals]

State	Total production		Table eggs		Hatching eggs	
	2017	2018	2017	2018	2017	2018
	(1,000 dozen eggs)	(1,000 dozen eggs)	(1,000 dozen eggs)	(1,000 dozen eggs)	(1,000 dozen eggs)	(1,000 dozen eggs)
Alabama	15,208.4	15,266.6	3,083.4	2,858.3	12,125.0	12,408.3
Arkansas	23,850.1	24,000.1	8,408.4	8,708.4	15,441.7	15,291.7
California	28,216.7	30,850.1	(D)	(D)	(D)	(D)
Colorado	10,108.3	10,733.4	(D)	(D)	(D)	(D)
Florida	14,125.0	13,908.3	13,700.0	13,516.6	425.0	391.7
Georgia	34,341.7	34,991.7	18,816.7	17,841.7	15,525.0	17,150.0
Illinois	10,150.1	10,983.4	9,816.7	10,641.7	333.4	341.7
Indiana	68,208.3	66,008.3	66,825.0	64,700.0	1,383.3	1,308.3
Iowa	111,191.7	116,691.6	109,791.7	114,958.3	1,400.0	1,733.3
Maryland	5,791.7	5,800.0	5,708.4	5,716.7	83.3	83.3
Michigan	29,925.1	32,458.4	(D)	(D)	(D)	(D)
Minnesota	20,716.7	23,491.7	20,183.3	23,000.0	533.4	491.7
Mississippi	10,091.8	9,950.0	3,133.4	3,100.0	6,958.4	6,850.0
Missouri	19,950.0	23,041.7	(D)	(D)	(D)	(D)
Nebraska	16,158.3	17,850.0	15,808.3	17,366.7	350.0	483.3
New York	11,725.0	11,216.7	(D)	(D)	(D)	(D)
North Carolina	27,250.0	22,358.4	14,308.3	9,891.7	12,941.7	12,466.7
Ohio	62,883.3	67,483.3	(D)	(D)	(D)	(D)
Oregon	5,141.6	4,850.0	5,141.6	4,850.0	-	-
Pennsylvania	58,783.3	58,624.9	56,666.7	55,991.6	2,116.6	2,633.3
South Carolina	8,025.1	8,325.0	6,108.4	6,433.3	1,916.7	1,891.7
South Dakota	5,500.0	6,200.0	5,500.0	6,200.0	-	-
Texas	41,516.6	43,200.0	(D)	(D)	(D)	(D)
Utah	10,550.0	9,533.3	10,550.0	9,533.3	-	-
Virginia	4,916.7	4,391.7	2,375.0	1,891.7	2,541.7	2,500.0
Washington	14,133.3	15,583.3	(D)	(D)	(D)	(D)
Wisconsin	12,566.7	13,166.7	(D)	(D)	(D)	(D)
Other States ¹	62,325.2	67,383.4	51,158.3	55,966.8	11,166.9	11,416.6
United States	743,350.7	768,342.0	646,941.9	669,600.3	96,408.8	98,741.7

- Represents zero.

(D) Withheld to avoid disclosing data for individual operations.

¹ Not published separately to avoid disclosing individual operations.

Molted as Percent of All Layers on the First of the Month – United States: 2017-2018

[Blank data cells indicate estimation period has not yet begun]

Month	Being molted		Molt completed	
	2017	2018	2017	2018
	(percent)	(percent)	(percent)	(percent)
January	1.7	1.9	15.7	16.3
February	2.2	2.9	15.3	15.8
March	2.4	1.8	15.2	15.9
April	1.7	1.8	15.6	15.3
May	2.7	3.1	14.9	14.3
June	2.4	3.0	14.9	14.8
July	2.4	2.3	15.4	15.2
August	2.5	2.3	15.5	14.9
September	3.5	2.6	15.4	14.6
October	2.9	2.2	16.2	15.2
November	2.0	1.5	16.8	15.0
December	1.2		17.1	

Molted as Percent of All Layers – States and United States: October 1 and November 1, 2017-2018

State	Being molted				Molt completed			
	October 1		November 1		October 1		November 1	
	2017	2018	2017	2018	2017	2018	2017	2018
	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)
Alabama	1.0	0.5	-	-	4.0	6.0	4.5	6.0
Arkansas	2.5	2.5	-	-	8.5	7.0	9.5	9.0
California	1.5	1.5	2.0	0.5	15.5	11.5	13.0	11.5
Colorado	-	1.0	-	1.0	10.0	5.5	11.0	6.0
Florida	8.5	7.0	2.5	5.0	68.0	35.5	70.0	34.5
Georgia	3.5	3.0	2.5	0.5	9.0	10.5	12.0	9.5
Illinois	-	-	4.0	-	12.0	15.5	10.5	13.0
Indiana	1.0	1.0	2.0	1.0	16.5	16.5	16.5	16.5
Iowa	5.0	2.5	3.5	2.5	20.5	21.5	23.5	20.5
Maryland	-	-	-	-	-	-	-	-
Michigan	-	1.5	1.0	0.5	6.0	4.0	6.0	3.5
Minnesota	4.0	-	4.5	2.0	7.5	9.0	10.0	6.5
Mississippi	1.5	2.0	-	-	13.5	17.5	12.0	18.5
Missouri	0.5	1.5	-	3.5	10.5	7.0	10.5	7.0
Nebraska	8.5	3.5	2.5	1.5	1.0	9.5	7.5	12.5
New York	-	1.0	-	-	4.5	4.0	4.0	2.5
North Carolina	3.0	1.0	-	0.5	12.5	8.0	15.0	7.5
Ohio	5.0	5.0	4.0	4.0	24.5	24.0	23.5	24.0
Oregon	-	-	-	-	4.5	7.0	4.5	5.5
Pennsylvania	0.5	0.5	1.5	-	5.5	3.0	5.5	2.0
South Carolina	-	4.5	-	2.5	13.5	14.5	7.5	18.5
South Dakota	4.0	-	-	-	7.5	13.0	10.0	6.5
Texas	4.0	4.0	2.0	1.0	38.5	36.5	36.0	37.0
Utah	-	3.5	0.5	-	26.0	30.0	19.0	28.5
Virginia	-	-	4.0	-	-	8.0	-	7.5
Washington	5.0	1.0	4.0	1.5	17.0	13.0	15.0	13.5
Wisconsin	11.0	5.5	1.5	3.0	21.5	12.0	29.0	17.0
Other States ¹	2.0	1.8	1.5	1.5	14.6	15.7	14.6	15.4
United States	2.9	2.2	2.0	1.5	16.2	15.2	16.8	15.0

- Represents zero.

¹ Includes data for States not published in this table.

Hatchery Production – United States: 2017 and 2018

Item	2017	2018	2018 as percent of 2017
	(1,000)	(1,000)	(percent)
Egg-type			
Eggs in incubators on November 1	45,314	45,237	100
Chicks hatched during October	51,495	55,019	107
Chicks hatched January through October	487,346	541,731	111
Pullets hatched during October for intended placements:			
Hatchery supply flocks	198	225	114
Cumulative potential placements 7-18 months earlier ¹	3,057	2,652	87
Broiler-type			
Eggs in incubators on November 1	651,641	649,449	100
Chicks hatched during October	793,994	790,123	100
Chicks hatched January through October	8,014,038	8,109,478	101
Pullets hatched during October for intended placements:			
Hatchery supply flocks	7,589	7,275	96
Cumulative potential placements 7-15 months earlier ²	68,440	69,421	101

¹ 2018 includes pullet chicks hatched April 2017 through March 2018.

² 2018 includes pullet chicks hatched July 2017 through March 2018.

Egg-Type Eggs in Incubators on the First of the Month – United States: 2017 and 2018

[Blank data cells indicate estimation period has not yet begun]

Item	2017	2018	2018 as percent of 2017
	(1,000)	(1,000)	(percent)
January	40,153	46,750	116
February	47,805	51,216	107
March	51,915	56,120	108
April	51,969	55,990	108
May	48,346	56,063	116
June	46,550	50,523	109
July	41,403	46,390	112
August	40,490	46,678	115
September	40,655	50,036	123
October	46,510	51,647	111
November	45,314	45,237	100
December	46,780		

Egg-Type Chicks Hatched by Month – United States: 2017-2018

[Blank data cells indicate estimation period has not yet begun]

Month	By months			Cumulative		
	2017	2018	2018 as percent of 2017	2017	2018	2018 as percent of 2017
	(1,000 chicks)	(1,000 chicks)	(percent)	(1,000 chicks)	(1,000 chicks)	(percent)
January	45,367	52,313	115	45,367	52,313	115
February	48,127	50,148	104	93,494	102,461	110
March	55,919	58,147	104	149,413	160,608	107
April	52,762	58,986	112	202,175	219,594	109
May	53,506	60,063	112	255,681	279,657	109
June	49,722	53,486	108	305,403	333,143	109
July	41,862	50,752	121	347,265	383,895	111
August	45,861	53,207	116	393,126	437,102	111
September	42,725	49,610	116	435,851	486,712	112
October	51,495	55,019	107	487,346	541,731	111
November	48,344			535,690		
December	46,080			581,770		

Intended Placements of Egg-Type Pullet Chicks for Hatchery Supply Flocks by Month – United States: 2017-2019

[Blank data cells indicate estimation period has not yet begun]

Month	Pullet chicks hatched		2018 as percent of 2017	Cumulative potential placements relative to current supply flocks 7-18 months earlier ¹	
	2017	2018		2018	2019
	(1,000 chicks)	(1,000 chicks)	(percent)	(1,000 chicks)	(1,000 chicks)
January	222	231	104	3,012	2,354
February	180	153	85	2,972	2,284
March	189	184	97	2,792	2,332
April	245	215	88	2,801	2,330
May	298	199	67	2,675	2,357
June	334	165	49	2,555	
July	246	176	72	2,675	
August	144	192	133	2,684	
September	190	188	99	2,657	
October	198	225	114	2,652	
November	150			2,622	
December	279			2,523	
Total	2,675				

¹ For October 2018, includes breeder pullet chicks hatched April 2017 through March 2018. The 7-18 months represent the first laying cycle. Molting and additional laying cycles will increase the cumulative potential placements.

Broiler-Type Eggs in Incubators on the First of the Month – United States: 2017 and 2018

[Blank data cells indicate estimation period has not yet begun]

Item	2017	2018	2018 as percent of 2017
	(1,000)	(1,000)	(percent)
January	659,724	680,502	103
February	659,229	674,490	102
March	667,521	682,716	102
April	667,436	683,117	102
May	667,043	691,301	104
June	674,786	695,586	103
July	672,199	688,754	102
August	680,570	687,393	101
September	672,108	671,760	100
October	650,192	648,519	100
November	651,641	649,449	100
December	684,691		

Broiler-Type Chicks Hatched – States and United States: October 2017 and 2018

State	During October			January-October		
	2017	2018	2018 as percent of 2017	2017	2018	2018 as percent of 2017
	(1,000 chicks)	(1,000 chicks)	(percent)	(1,000 chicks)	(1,000 chicks)	(percent)
Alabama	105,620	107,303	102	1,074,832	1,079,828	100
Arkansas	84,449	85,838	102	840,264	870,410	104
Delaware	17,442	17,491	100	175,710	182,936	104
Florida	4,320	4,112	95	41,365	41,038	99
Georgia	121,394	120,899	100	1,239,210	1,242,072	100
Kentucky	27,069	26,043	96	267,654	271,206	101
Louisiana	12,482	12,293	98	128,204	127,522	99
Maryland	29,505	29,095	99	294,395	292,604	99
Mississippi	64,878	65,112	100	654,710	667,808	102
Missouri	28,749	29,636	103	300,361	299,513	100
North Carolina	78,847	72,708	92	784,908	793,442	101
Oklahoma	26,946	27,645	103	267,936	269,451	101
Pennsylvania	16,922	19,365	114	169,879	198,575	117
South Carolina	20,236	20,432	101	200,489	202,632	101
Texas	56,705	56,008	99	579,876	575,564	99
Virginia	23,702	22,626	95	236,284	229,102	97
California, Tennessee, and West Virginia	41,531	40,375	97	427,212	432,776	101
Other States ¹	33,197	33,142	100	330,749	332,999	101
United States	793,994	790,123	100	8,014,038	8,109,478	101

¹ Not published separately to avoid disclosing data for individual operations.

Broiler-Type Chicks Hatched by Month – United States: 2017-2018

[Blank data cells indicate estimation period has not yet begun]

Month	By months			Cumulative		
	2017	2018	2018 as percent of 2017	2017	2018	2018 as percent of 2017
	(1,000 chicks)	(1,000 chicks)	(percent)	(1,000 chicks)	(1,000 chicks)	(percent)
January	807,491	822,829	102	807,491	822,829	102
February	730,311	734,729	101	1,537,802	1,557,558	101
March	818,701	828,179	101	2,356,503	2,385,737	101
April	793,227	802,652	101	3,149,730	3,188,389	101
May	820,621	838,720	102	3,970,351	4,027,109	101
June	802,010	821,452	102	4,772,361	4,848,561	102
July	826,602	843,942	102	5,598,963	5,692,503	102
August	832,983	839,600	101	6,431,946	6,532,103	102
September	788,098	787,252	100	7,220,044	7,319,355	101
October	793,994	790,123	100	8,014,038	8,109,478	101
November	774,598			8,788,636		
December	827,498			9,616,134		

Intended Placements of Broiler-Type Pullet Chicks for Hatchery Supply Flocks by Month and Total: 2017-2019

[Blank data cells indicate estimation period has not yet begun]

Month	Pullet chicks hatched		2018 as percent of 2017	Cumulative potential placements relative to current supply flocks 7-15 months earlier ¹	
	2017 (1,000 chicks)	2018 (1,000 chicks)		2018 (1,000 chicks)	2019 (1,000 chicks)
United States placements					
January	7,163	7,071	99	68,873	70,299
February	7,832	7,631	97	69,049	70,207
March	8,262	8,112	98	69,495	70,625
April	7,045	7,714	109	70,200	71,317
May	8,159	8,301	102	70,626	71,521
June	8,258	8,344	101	70,737	
July	7,085	7,497	106	70,069	
August	8,156	8,361	103	70,095	
September	8,240	8,286	101	69,567	
October	7,589	7,275	96	69,421	
November	7,943			70,050	
December	7,594			70,195	
Annual total	93,326				
Total placements ²					
January	8,764	8,736	100		
February	9,958	9,540	96		
March	10,047	9,806	98		
April	8,592	9,360	109		
May	9,806	10,197	104		
June	9,903	10,165	103		
July	8,598	8,867	103		
August	9,988	10,120	101		
September	10,042	9,895	99		
October	9,605	8,977	93		
November	9,695				
December	9,278				
Annual total	114,276				

¹ For October 2018, includes breeder pullet chicks hatched July 2017 through March 2018.

² United States production of intended placements worldwide.

Statistical Methodology

Survey Procedures: Primary data for the *Chickens and Eggs* report are from weekly and/or monthly questionnaires sent to producers. An attempt is made to collect information for layer and egg estimates from each known contractor and independent producer who has at least 30,000 table egg layers, flocks of hatchery supply layers, or pullet only operations with at least 500 pullets. Coverage for operations with less than 30,000 table egg layers are estimated each month based on data reported in December. Approximately 500 contractors, independent egg producers, and pullet only operations are contacted each month. Data for broiler hatchery estimates are collected weekly from all broiler-type hatcheries that hatch at least one million chicks a year. Data for egg-type hatchery estimates are collected monthly from all egg-type hatcheries that hatch at least 50,000 chicks a year.

Estimating Procedures: Sound statistical methodology is employed to derive estimates from the reported data. All data are analyzed for unusual values. Data from each operation are compared to their own past operating profile and to trends from similar operations. Data for missing operations are estimated based on similar operations or historical data. NASS regional field offices prepare these estimates by using a combination of survey indications and historic trends. Individual State estimates are reviewed by the Agricultural Statistics Board for reasonableness.

For chicken hatcheries, chicks hatched consist of all chicks of domesticated breeds including males and chicks destined for hatchery supply flocks and research purposes. Eggs set are eggs in incubators for the purpose of hatching. The relationship of egg-type chicks hatched to chicken inventory and poultry marketings are carefully monitored. The disposition of egg-type chicks hatched prior to placement into the laying flock can vary significantly, which can make comparisons to changes in layer inventory inconsistent over time. Broiler chicks placed are specifically for meat production. Intended placement data reported by leading breeders include pullet chicks expected from eggs sold the preceding month. The breeders in this report account for a large percentage of replacement pullets for hatchery supply flocks. Production of replacement pullets by these breeders indicates the number of pullets available to hatchery supply layer flocks several months before the pullets will actually move into the laying flocks. "Hatchery Supply Flocks" include all generations of layers which could lay eggs to supply a hatchery. This includes the generations of parents, grandparents, great-grandparents, pedigree, etc. Also included are research flocks, vaccine flocks, and specific pathogen-free flocks. The broiler cumulative potential placements are a moving total of the intended placements 7-15 months earlier. The egg-type cumulative potential placements of 7-18 months earlier represent the first laying cycle. Molting and additional laying cycles will increase the cumulative potential placements of egg-type hatching flocks.

Revision Policy: The previous month's estimates are subject to revision if late reports or corrected data indicates a different level. Additionally, revisions after the monthly report will be made at the end of the marketing year and published in the annual reports of *Chickens and Eggs Summary* and *Hatchery Production Summary*. Estimates will also be reviewed for chickens and eggs after data from the 5-year Census of Agriculture are available. No revisions will be made after that date.

Reliability: Estimates are based on a census of all known contractors and independent producers who have at least 30,000 table egg layers, flocks of hatchery supply layers, pullet only operations with at least 500 pullets, or operating hatcheries and therefore, have no sampling error. However, estimates are subject to errors such as omission, 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.

To assist in evaluating the reliability of the estimates in this report, the "Root Mean Square Error" is shown for selected items in the following table. The "Root Mean Square Error" is a statistical measure based on past performance and is computed using the differences between first and final estimates. The "Root Mean Square Error" for all layers over the past 24 months is 0.9 percent. This means that chances are 2 out of 3 that the final estimate will not be above or below the current estimate of 386 million layers by more than 0.9 percent. Chances are 9 out of 10 that the difference will not exceed 1.5 percent.

Reliability of Layer and Egg Estimates

[Based on data for the past twenty-four months]

Item	Root mean square error	90 percent confidence level	Difference between first and latest estimate				
			Average	Smallest	Largest	Months	
						Below latest	Above latest
All layers	(percent) 0.9	(percent) 1.5	(1,000) 2,045	(1,000) 3	(1,000) 9,953	(number) 22	(number) 2
Eggs	0.9	1.5	(million) 51	(million) 1	(million) 243	23	1

Terms and Definitions of Chickens and Eggs Estimates

All Layers includes both table egg and hatching egg flocks regardless of size.

Intended Placements are reported by leading breeders. Coverage may not be 100 percent. Includes expected pullet chicks from eggs sold during the preceding month at the rate of 125 pullet chicks per case of 30 dozen eggs.

Molted Layers is the same data series as the previously published Forced Molt Layers. Nomenclature changed as of January 2015.

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@nass.usda.gov

Travis Averill, Chief, Livestock Branch	(202) 720-3570
Tony Dorn, 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, Egg Products, Mink, Census of Aquaculture	(202) 720-8784
Fatema Haque – Broiler Hatchery, Chicken Hatchery	(202) 720-3244
Kim Linonis – Layers, Eggs	(202) 690-3676
Adam Peters – Turkey Hatchery, Turkeys Raised	(202) 690-3237
Erica Sadler – Cost of Pollination, Honey, Honey Bee Colonies	(202) 720-6147

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