



Chickens and Eggs

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November Egg Production Up 3 Percent

United States egg production totaled 9.07 billion during November 2018, up 3 percent from last year. Production included 7.92 billion table eggs, and 1.15 billion hatching eggs, of which 1.06 billion were broiler-type and 81.7 million were egg-type. The average number of layers during November 2018 totaled 390 million, up 3 percent from last year. November egg production per 100 layers was 2,322 eggs, up 1 percent from November 2017.

All layers in the United States on December 1, 2018 totaled 392 million, up 2 percent from last year. The 392 million layers consisted of 331 million layers producing table or market type eggs, 57.6 million layers producing broiler-type hatching eggs, and 3.25 million layers producing egg-type hatching eggs. Rate of lay per day on December 1, 2018, averaged 77.7 eggs per 100 layers, up slightly from December 1, 2017.

Egg-Type Chicks Hatched Down 3 Percent

Egg-type chicks hatched during November 2018 totaled 46.9 million, down 3 percent from November 2017. Eggs in incubators totaled 50.8 million on December 1, 2018, up 9 percent from a year ago.

Domestic placements of egg-type pullet chicks for future hatchery supply flocks by leading breeders totaled 260 thousand during November 2018, up 73 percent from November 2017.

Broiler-Type Chicks Hatched Down 1 Percent

Broiler-type chicks hatched during November 2018 totaled 767 million, down 1 percent from November 2017. Eggs in incubators totaled 688 million on December 1, 2018, up slightly from a year ago.

Leading breeders placed 7.33 million broiler-type pullet chicks for future domestic hatchery supply flocks during November 2018, down 8 percent from November 2017.

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

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		387,521
November		380,820		390,492

¹ December previous year.

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

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	9,250.7	7,763.3	8,066.5	1,156.9	1,184.2
November	8,790.8	9,068.6	7,676.3	7,922.6	1,114.5	1,146.0

¹ December previous year.

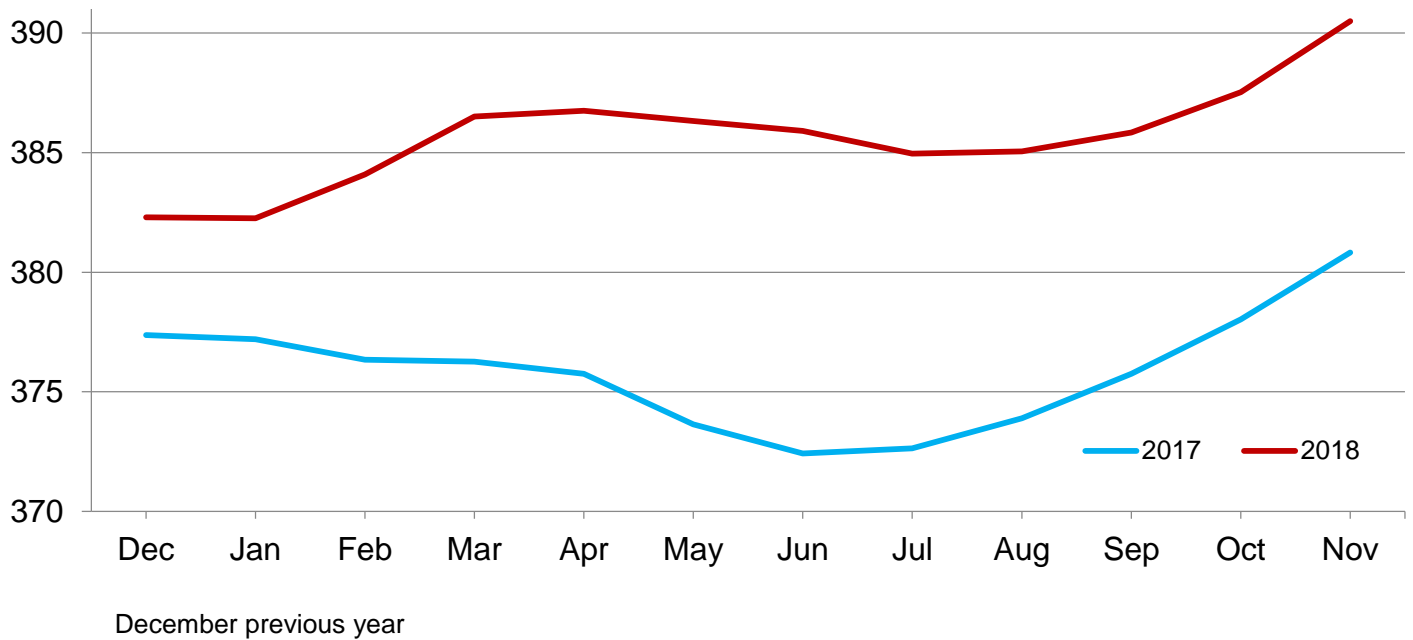
Egg Production During the Month in Dozens by Type – United States: 2017-2018

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	770,891.9	646,941.9	672,208.5	96,408.8	98,683.4
November	732,566.8	755,716.9	639,691.9	660,216.8	92,874.9	95,500.1

¹ December previous year.

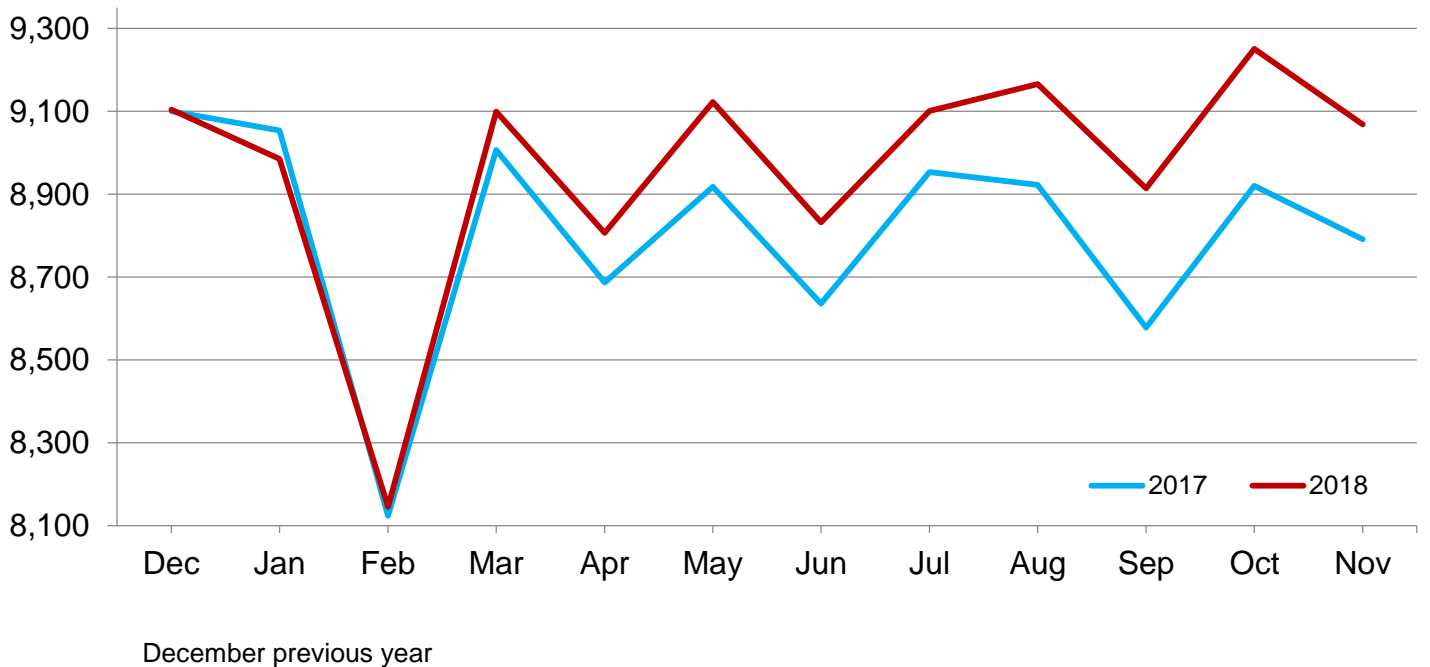
Average Layers During the Month – United States

Million layers



All Egg Production During the Month – United States

Million eggs



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

Item	2017	2018	2018 as percent of 2017
Layers during October			
All layers 1,000	378,028	387,521	103
Table egg type 1,000	317,758	326,632	103
Hatching egg type 1,000	60,270	60,889	101
Broiler-type hatching 1,000	57,117	57,523	101
Egg-type hatching 1,000	3,153	3,366	107
Eggs per 100 layers during October			
All layers number	2,360	2,387	101
Table egg type number	2,443	2,470	101
Hatching egg type number	1,920	1,945	101
Broiler-type hatching number	1,898	1,910	101
Egg-type hatching number	2,306	2,540	110
Eggs produced during October			
All layers million	8,920.2	9,250.7	104
Table egg type million	7,763.3	8,066.5	104
Hatching egg type million	1,156.9	1,184.2	102
Broiler-type hatching million	1,084.2	1,098.7	101
Egg-type hatching million	72.7	85.5	118
Eggs produced during October			
All layers 1,000 dozen	743,350.7	770,891.9	104
Table egg type 1,000 dozen	646,941.9	672,208.5	104
Hatching egg type 1,000 dozen	96,408.8	98,683.4	102
Broiler-type hatching 1,000 dozen	90,350.3	91,558.4	101
Egg-type hatching 1,000 dozen	6,058.5	7,125.0	118
Layers on November 1			
All layers 1,000	379,323	389,150	103
Table egg type 1,000	319,373	328,259	103
Hatching egg type 1,000	59,950	60,891	102
Broiler-type hatching 1,000	56,852	57,637	101
Egg-type hatching 1,000	3,098	3,254	105
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	61.5	100
Egg-type hatching number	76.1	82.6	109
Molted layers on November 1			
Being molted percent	2.0	1.5	75
Molt completed percent	16.8	15.1	90
Layers sold for slaughter during October 1,000	14,586.3	13,670.2	94
Layers rendered, died, destroyed, composted or disappeared for any reason during October 1,000	8,796.1	10,784.1	123
Pullets on November 1 1,000	113,246	126,497	112
Pullets added during October ¹ 1,000	26,785.9	26,991.6	101

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

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

Item	2017	2018	2018 as percent of 2017	
Layers during November				
All layers	1,000	380,820	390,492	103
Table egg type	1,000	320,748	329,614	103
Hatching egg type	1,000	60,072	60,878	101
Broiler-type hatching	1,000	56,831	57,625	101
Egg-type hatching	1,000	3,241	3,253	100
Eggs per 100 layers during November				
All layers	number	2,308	2,322	101
Table egg type	number	2,393	2,404	100
Hatching egg type	number	1,855	1,882	101
Broiler-type hatching	number	1,830	1,847	101
Egg-type hatching	number	2,305	2,512	109
Eggs produced during November				
All layers	million	8,790.8	9,068.6	103
Table egg type	million	7,676.3	7,922.6	103
Hatching egg type	million	1,114.5	1,146.0	103
Broiler-type hatching	million	1,039.8	1,064.3	102
Egg-type hatching	million	74.7	81.7	109
Eggs produced during November				
All layers	1,000 dozen	732,566.8	755,716.9	103
Table egg type	1,000 dozen	639,691.9	660,216.8	103
Hatching egg type	1,000 dozen	92,874.9	95,500.1	103
Broiler-type hatching	1,000 dozen	86,649.9	88,691.7	102
Egg-type hatching	1,000 dozen	6,225.0	6,808.4	109
Layers on December 1				
All layers	1,000	382,266	391,802	102
Table egg type	1,000	322,090	330,953	103
Hatching egg type	1,000	60,176	60,849	101
Broiler-type hatching	1,000	56,797	57,602	101
Egg-type hatching	1,000	3,379	3,247	96
Eggs per 100 layers on December 1				
All layers	number	77.5	77.7	100
Table egg type	number	80.4	80.4	100
Hatching egg type	number	61.6	62.8	102
Broiler-type hatching	number	60.7	61.5	101
Egg-type hatching	number	77.2	85.0	110
Molted layers on December 1				
Being molted	percent	1.2	1.2	100
Molt completed	percent	17.1	14.4	84
Layers sold for slaughter during November	1,000	12,892.6	14,320.6	111
Layers rendered, died, destroyed, composted or disappeared for any reason during November	1,000	7,515.5	10,262.8	137
Pullets on December 1	1,000	115,411	124,929	108
Pullets added during November ¹	1,000	27,321.2	27,860.3	102

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

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	4,072	13,932	13,974	2,054	2,057
California	13,862	13,846	14,499	14,489	2,335	2,542
Colorado	4,176	4,555	4,578	4,978	2,650	2,583
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	5,269	4,855	5,737	2,509	2,454
Indiana	32,128	32,562	32,993	33,381	2,481	2,430
Iowa	54,108	56,575	55,529	58,010	2,403	2,421
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	10,584	10,237	11,054	2,428	2,506
Mississippi	1,406	1,430	5,521	5,501	2,193	2,171
Missouri	6,394	7,699	9,959	11,380	2,404	2,433
Nebraska	7,440	8,083	7,714	8,362	2,514	2,552
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	32,022	31,189	33,016	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	6,036	6,706	6,707	2,249	2,366
Other States ¹	24,011	25,201	33,050	34,446	2,263	2,347
United States	308,339	316,882	378,028	387,521	2,360	2,387

¹ Includes data for States not published in this table.

Layers on Hand and Eggs Produced – States and United States: During November 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	1,331	9,374	9,497	1,870	1,865
Arkansas	3,983	4,180	13,917	14,153	2,000	2,032
California	14,064	13,972	14,706	14,625	2,284	2,402
Colorado	4,056	4,609	4,458	5,029	2,541	2,527
Florida	7,007	6,913	7,366	7,302	2,326	2,327
Georgia	9,733	9,356	19,660	19,949	2,112	2,125
Illinois	4,634	5,811	5,079	6,267	2,392	2,331
Indiana	31,884	33,293	32,744	34,069	2,420	2,392
Iowa	54,258	56,349	55,710	57,753	2,351	2,363
Maryland	2,628	2,609	2,786	2,768	2,401	2,489
Michigan	14,349	15,718	14,570	15,942	2,451	2,433
Minnesota	9,928	10,575	10,411	11,064	2,322	2,416
Mississippi	1,440	1,433	5,594	5,554	2,095	2,117
Missouri	6,452	7,554	10,012	11,245	2,432	2,426
Nebraska	7,421	8,286	7,694	8,571	2,534	2,443
New York	5,058	5,059	5,424	5,470	2,528	2,406
North Carolina	7,075	5,096	15,206	12,990	2,124	2,042
Ohio	30,890	32,049	31,810	33,049	2,360	2,354
Oregon	2,231	2,110	2,370	2,249	2,540	2,454
Pennsylvania	26,615	26,023	28,545	28,140	2,433	2,451
South Carolina	2,781	3,115	4,013	4,359	2,198	2,241
South Dakota	2,621	2,630	2,763	2,772	2,457	2,561
Texas	17,760	18,013	22,036	22,071	2,256	2,337
Utah	4,980	4,561	5,018	4,599	2,489	2,442
Virginia	843	924	2,516	2,579	2,297	2,187
Washington	6,503	6,783	6,668	6,948	2,365	2,527
Wisconsin	6,178	6,119	6,821	6,790	2,297	2,222
Other States ¹	24,415	25,393	33,549	34,688	2,208	2,257
United States	311,160	319,864	380,820	390,492	2,308	2,322

¹ Includes data for States not published in this table.

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	287.5	100.9	104.0	185.3	183.5
California	338.6	368.3	(D)	(D)	(D)	(D)
Colorado	121.3	128.6	(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	140.8	117.8	136.7	4.0	4.1
Indiana	818.5	811.1	801.9	795.4	16.6	15.7
Iowa	1,334.3	1,404.7	1,317.5	1,383.9	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	277.0	242.2	271.1	6.4	5.9
Mississippi	121.1	119.4	37.6	37.2	83.5	82.2
Missouri	239.4	276.9	(D)	(D)	(D)	(D)
Nebraska	193.9	213.4	189.7	208.4	4.2	5.0
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	815.2	(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	158.7	(D)	(D)	(D)	(D)
Other States ¹	747.9	808.6	613.9	671.6	134.0	137.0
United States	8,920.2	9,250.7	7,763.3	8,066.5	1,156.9	1,184.2

- 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: November 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	175.3	177.1	35.8	34.4	139.5	142.7
Arkansas	278.4	287.6	103.3	108.1	175.1	179.5
California	335.9	351.3	(D)	(D)	(D)	(D)
Colorado	113.3	127.1	(D)	(D)	(D)	(D)
Florida	171.3	169.9	167.2	165.8	4.1	4.1
Georgia	415.3	424.0	234.5	225.0	180.8	199.0
Illinois	121.5	146.1	117.9	142.2	3.6	3.9
Indiana	792.3	814.8	775.9	800.0	16.4	14.8
Iowa	1,309.6	1,364.9	1,292.5	1,344.3	17.1	20.6
Maryland	66.9	68.9	65.9	67.7	1.0	1.2
Michigan	357.1	387.8	(D)	(D)	(D)	(D)
Minnesota	241.7	267.3	235.1	261.2	6.6	6.1
Mississippi	117.2	117.6	36.2	37.5	81.0	80.1
Missouri	243.5	272.8	(D)	(D)	(D)	(D)
Nebraska	195.0	209.4	190.4	204.4	4.6	5.0
New York	137.1	131.6	(D)	(D)	(D)	(D)
North Carolina	323.0	265.3	174.2	120.2	148.8	145.1
Ohio	750.6	777.9	(D)	(D)	(D)	(D)
Oregon	60.2	55.2	60.2	55.2	-	-
Pennsylvania	694.4	689.6	669.6	658.2	24.8	31.4
South Carolina	88.2	97.7	66.6	75.5	21.6	22.2
South Dakota	67.9	71.0	67.9	71.0	-	-
Texas	497.2	515.7	(D)	(D)	(D)	(D)
Utah	124.9	112.3	124.9	112.3	-	-
Virginia	57.8	56.4	28.1	26.9	29.7	29.5
Washington	157.7	175.6	(D)	(D)	(D)	(D)
Wisconsin	156.7	150.9	(D)	(D)	(D)	(D)
Other States ¹	740.8	782.8	611.5	650.8	129.3	132.0
United States	8,790.8	9,068.6	7,676.3	7,922.6	1,114.5	1,146.0

- 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	23,958.4	8,408.4	8,666.7	15,441.7	15,291.7
California	28,216.7	30,691.8	(D)	(D)	(D)	(D)
Colorado	10,108.3	10,716.7	(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	11,733.4	9,816.7	11,391.7	333.4	341.7
Indiana	68,208.3	67,591.6	66,825.0	66,283.3	1,383.3	1,308.3
Iowa	111,191.7	117,058.3	109,791.7	115,325.0	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	23,083.3	20,183.3	22,591.6	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	23,075.0	(D)	(D)	(D)	(D)
Nebraska	16,158.3	17,783.4	15,808.3	17,366.7	350.0	416.7
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	67,933.3	(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	13,225.0	(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	770,891.9	646,941.9	672,208.5	96,408.8	98,683.4

- 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: November 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	14,608.3	14,758.3	2,983.3	2,866.6	11,625.0	11,891.7
Arkansas	23,200.1	23,966.6	8,608.4	9,008.3	14,591.7	14,958.3
California	27,991.7	29,275.0	(D)	(D)	(D)	(D)
Colorado	9,441.7	10,591.7	(D)	(D)	(D)	(D)
Florida	14,275.1	14,158.4	13,933.4	13,816.7	341.7	341.7
Georgia	34,608.4	35,333.3	19,541.7	18,750.0	15,066.7	16,583.3
Illinois	10,125.0	12,175.0	9,825.0	11,850.0	300.0	325.0
Indiana	66,025.0	67,899.9	64,658.3	66,666.6	1,366.7	1,233.3
Iowa	109,133.4	113,741.7	107,708.4	112,025.0	1,425.0	1,716.7
Maryland	5,574.9	5,741.7	5,491.6	5,641.7	83.3	100.0
Michigan	29,758.3	32,316.7	(D)	(D)	(D)	(D)
Minnesota	20,141.6	22,275.1	19,591.6	21,766.7	550.0	508.4
Mississippi	9,766.6	9,800.0	3,016.6	3,125.0	6,750.0	6,675.0
Missouri	20,291.7	22,733.3	(D)	(D)	(D)	(D)
Nebraska	16,250.0	17,450.1	15,866.7	17,033.4	383.3	416.7
New York	11,425.0	10,966.7	(D)	(D)	(D)	(D)
North Carolina	26,916.7	22,108.4	14,516.7	10,016.7	12,400.0	12,091.7
Ohio	62,549.9	64,824.9	(D)	(D)	(D)	(D)
Oregon	5,016.7	4,600.0	5,016.7	4,600.0	-	-
Pennsylvania	57,866.6	57,466.7	55,800.0	54,850.0	2,066.6	2,616.7
South Carolina	7,350.0	8,141.7	5,550.0	6,291.7	1,800.0	1,850.0
South Dakota	5,658.4	5,916.7	5,658.4	5,916.7	-	-
Texas	41,433.4	42,975.1	(D)	(D)	(D)	(D)
Utah	10,408.3	9,358.3	10,408.3	9,358.3	-	-
Virginia	4,816.7	4,699.9	2,341.7	2,241.6	2,475.0	2,458.3
Washington	13,141.7	14,633.4	(D)	(D)	(D)	(D)
Wisconsin	13,058.3	12,575.0	(D)	(D)	(D)	(D)
Other States ¹	61,733.3	65,233.3	50,958.3	54,233.3	10,775.0	11,000.0
United States	732,566.8	755,716.9	639,691.9	660,216.8	92,874.9	95,500.1

- 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

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	15.1
December	1.2	1.2	17.1	14.4

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

State	Being molted				Molt completed			
	November 1		December 1		November 1		December 1	
	2017	2018	2017	2018	2017	2018	2017	2018
	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)
Alabama	-	-	1.5	-	4.5	6.0	4.5	5.5
Arkansas	-	-	-	-	9.5	9.0	9.0	8.0
California	2.0	0.5	0.5	0.5	13.0	11.5	14.5	10.5
Colorado	-	-	3.5	-	11.0	6.0	9.5	6.5
Florida	2.5	5.0	0.5	2.0	70.0	34.5	67.0	34.5
Georgia	2.5	0.5	1.0	0.5	12.0	11.5	13.5	11.0
Illinois	4.0	1.0	4.0	-	10.5	11.5	10.0	12.0
Indiana	2.0	1.5	0.5	0.5	16.5	17.0	17.0	17.5
Iowa	3.5	2.5	1.5	2.0	23.5	20.5	25.5	20.0
Maryland	-	-	-	-	-	-	-	-
Michigan	1.0	0.5	-	-	6.0	3.5	6.5	3.0
Minnesota	4.5	2.5	4.0	1.0	10.0	6.5	11.0	9.0
Mississippi	-	-	-	0.5	12.0	18.5	10.0	17.5
Missouri	-	3.5	-	-	10.5	7.5	11.5	10.5
Nebraska	2.5	1.5	-	5.5	7.5	12.5	10.0	10.5
New York	-	-	-	-	4.0	2.5	4.0	2.0
North Carolina	-	0.5	-	-	15.0	7.5	13.0	7.0
Ohio	4.0	3.5	3.5	4.5	23.5	24.0	25.0	22.0
Oregon	-	-	-	-	4.5	5.5	4.5	5.0
Pennsylvania	1.5	0.5	0.5	-	5.5	2.0	5.0	2.5
South Carolina	-	2.5	-	-	7.5	18.5	5.0	20.5
South Dakota	-	-	-	-	10.0	6.5	10.0	3.5
Texas	2.0	1.0	0.5	0.5	36.0	37.0	34.5	33.5
Utah	0.5	-	-	-	19.0	28.5	18.0	24.5
Virginia	4.0	-	-	-	-	7.5	4.0	7.5
Washington	4.0	1.5	3.0	5.5	15.0	13.5	15.0	13.0
Wisconsin	1.5	3.0	3.0	-	29.0	17.0	28.5	17.0
Other States ¹	1.5	1.5	1.4	1.3	14.6	14.6	13.9	13.1
United States	2.0	1.5	1.2	1.2	16.8	15.1	17.1	14.4

- 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 December 1	46,780	50,837	109
Chicks hatched during November	48,344	46,862	97
Chicks hatched January through November	535,690	588,534	110
Pullets hatched during November for intended placements:			
Hatchery supply flocks	150	260	173
Cumulative potential placements 7-18 months earlier ¹	2,951	2,622	89
Broiler-type			
Eggs in incubators on December 1	684,691	687,792	100
Chicks hatched during November	774,598	766,521	99
Chicks hatched January through November	8,788,636	8,875,876	101
Pullets hatched during November for intended placements:			
Hatchery supply flocks	7,943	7,333	92
Cumulative potential placements 7-15 months earlier ²	67,755	70,050	103

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

² 2018 includes pullet chicks hatched August 2017 through April 2018.

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

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	45,096	100
December	46,780	50,837	109

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	54,960	107	487,346	541,672	111
November	48,344	46,862	97	535,690	588,534	110
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	2,467
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	260	173	2,622	
December	279			2,523	
Total	2,675				

¹ For November 2018, includes breeder pullet chicks hatched May 2017 through April 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

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	647,483	99
December	684,691	687,792	100

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

State	During November			January-November		
	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	102,334	105,158	103	1,177,166	1,184,991	101
Arkansas	81,788	81,202	99	922,052	951,612	103
Delaware	17,110	16,963	99	192,820	199,899	104
Florida	4,388	4,208	96	45,753	45,246	99
Georgia	120,619	115,686	96	1,359,829	1,357,758	100
Kentucky	26,202	24,143	92	293,856	295,349	101
Louisiana	11,748	13,118	112	139,952	140,640	100
Maryland	29,280	27,720	95	323,675	320,194	99
Mississippi	62,896	64,134	102	717,606	731,942	102
Missouri	26,655	27,992	105	327,016	327,505	100
North Carolina	77,636	75,179	97	862,544	868,621	101
Oklahoma	26,072	25,399	97	294,008	294,850	100
Pennsylvania	17,113	18,640	109	186,992	217,217	116
South Carolina	19,638	19,055	97	220,127	221,687	101
Texas	55,566	55,865	101	635,442	631,429	99
Virginia	22,305	20,818	93	258,589	249,920	97
California, Tennessee, and West Virginia	41,624	39,172	94	468,836	471,948	101
Other States ¹	31,624	32,069	101	362,373	365,068	101
United States	774,598	766,521	99	8,788,636	8,875,876	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	790,000	99	8,014,038	8,109,355	101
November	774,598	766,521	99	8,788,636	8,875,876	101
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	71,223
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	7,333	92	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	9,113	94		
December	9,278				
Annual total	114,276				

¹ For November 2018, includes breeder pullet chicks hatched August 2017 through April 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 0.7 percent. This means that chances are 2 out of 3 that the final estimate will not be above or below the current estimate of 390 million layers by more than 0.7 percent. Chances are 9 out of 10 that the difference will not exceed 1.2 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) 0.7	(percent) 1.2	(1,000) 1,687	(1,000) 3	(1,000) 8,200	(number) 22	(number) 2
Eggs	0.7	1.2	(million) 43	(million) 1	(million) 188	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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