



# Chickens and Eggs

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## November Egg Production Up Slightly

United States egg production totaled 8.72 billion during November 2017, up slightly from last year. Production included 7.60 billion table eggs, and 1.11 billion hatching eggs, of which 1.04 billion were broiler-type and 74.8 million were egg-type. The average number of layers during November 2017 totaled 378 million, up 1 percent from last year. November egg production per 100 layers was 2,306 eggs, down 1 percent from November 2016.

All layers in the United States on December 1, 2017 totaled 380 million, up 1 percent from last year. The 380 million layers consisted of 320 million layers producing table or market type eggs, 56.6 million layers producing broiler-type hatching eggs, and 3.39 million layers producing egg-type hatching eggs. Rate of lay per day on December 1, 2017, averaged 77.3 eggs per 100 layers, down 1 percent from December 1, 2016.

## Egg-Type Chicks Hatched Up 15 Percent

Egg-type chicks hatched during November 2017 totaled 48.0 million, up 15 percent from November 2016. Eggs in incubators totaled 48.5 million on December 1, 2017, up 7 percent from a year ago.

Domestic placements of egg-type pullet chicks for future hatchery supply flocks by leading breeders totaled 150 thousand during November 2017, down 44 percent from November 2016.

## Broiler-Type Chicks Hatched Up 2 Percent

Broiler-type chicks hatched during November 2017 totaled 773 million, up 2 percent from November 2016. Eggs in incubators totaled 681 million on December 1, 2017, up 3 percent from a year ago.

Leading breeders placed 7.94 million broiler-type pullet chicks for future domestic hatchery supply flocks during November 2017, up 3 percent from November 2016.

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### Average Number of All Layers on Hand During the Month – United States: 2016-2017

Month	2016		2017	
	(1,000 layers)		(1,000 layers)	
December <sup>1</sup> .....		353,821		376,570
January .....		357,784		376,100
February .....		362,856		375,093
March .....		366,521		374,882
April .....		366,498		373,990
May .....		366,038		371,732
June .....		365,142		370,750
July .....		364,698		370,772
August .....		366,550		371,361
September .....		369,205		372,566
October .....		370,864		374,856
November .....		374,040		378,092

<sup>1</sup> December previous year.

### Egg Production During the Month by Type – United States: 2016-2017

Month	Total eggs		Table eggs		Hatching eggs	
	2016	2017	2016	2017	2016	2017
	(million eggs)	(million eggs)	(million eggs)	(million eggs)	(million eggs)	(million eggs)
December <sup>1</sup> .....	8,261.4	9,083.3	7,124.6	7,950.4	1,136.8	1,132.9
January .....	8,307.9	9,026.9	7,168.2	7,903.5	1,139.7	1,123.4
February .....	7,948.1	8,094.3	6,878.1	7,079.8	1,070.0	1,014.5
March .....	8,622.3	8,970.5	7,475.2	7,842.0	1,147.1	1,128.5
April .....	8,333.2	8,643.1	7,213.0	7,545.9	1,120.2	1,097.2
May .....	8,643.4	8,869.4	7,478.6	7,730.9	1,164.8	1,138.5
June .....	8,349.2	8,591.6	7,228.4	7,475.7	1,120.8	1,115.9
July .....	8,671.9	8,900.9	7,513.9	7,730.1	1,158.0	1,170.8
August .....	8,750.6	8,853.3	7,597.0	7,686.2	1,153.6	1,167.1
September .....	8,507.0	8,497.4	7,402.4	7,376.5	1,104.6	1,120.9
October .....	8,850.6	8,838.7	7,711.8	7,683.7	1,138.8	1,155.0
November .....	8,707.1	8,717.1	7,602.4	7,604.4	1,104.7	1,112.7

<sup>1</sup> December previous year.

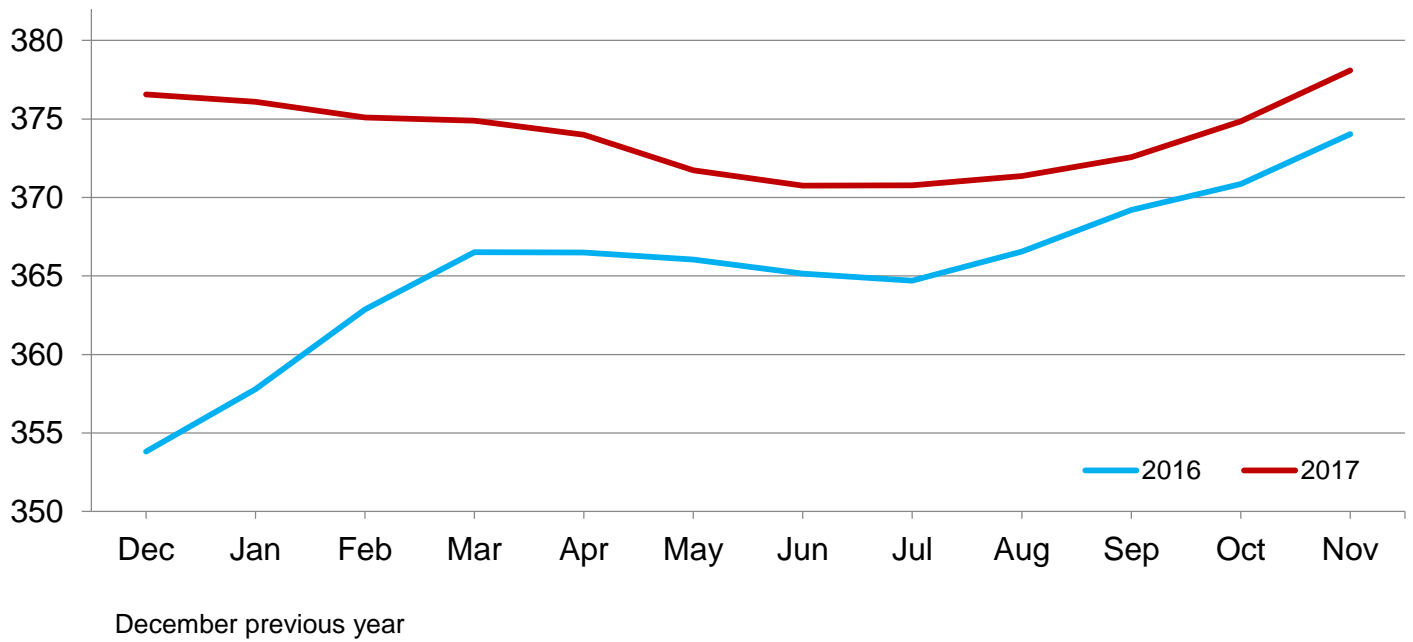
### Egg Production During the Month in Dozens by Type – United States: 2016-2017

Month	Total eggs		Table eggs		Hatching eggs	
	2016	2017	2016	2017	2016	2017
	(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 <sup>1</sup> .....	688,450.7	756,941.4	593,717.2	662,533.1	94,733.5	94,408.3
January .....	692,325.3	752,241.9	597,350.4	658,624.8	94,974.9	93,617.1
February .....	662,341.5	674,525.1	573,175.0	589,983.7	89,166.5	84,541.4
March .....	718,525.0	747,542.1	622,933.2	653,500.1	95,591.8	94,042.0
April .....	694,433.4	720,258.7	601,083.4	628,825.4	93,350.0	91,433.3
May .....	720,283.4	739,116.8	623,216.7	644,241.5	97,066.7	94,875.3
June .....	695,766.8	715,967.1	602,366.9	622,975.1	93,399.9	92,992.0
July .....	722,658.5	741,742.4	626,158.4	644,175.3	96,500.1	97,567.1
August .....	729,216.4	737,775.7	633,083.3	640,516.9	96,133.1	97,258.8
September .....	708,917.3	708,116.5	616,867.3	614,708.2	92,050.0	93,408.3
October .....	737,549.9	736,559.0	642,649.9	640,308.5	94,900.0	96,250.5
November .....	725,592.3	726,424.9	633,533.7	633,700.1	92,058.6	92,724.8

<sup>1</sup> December previous year.

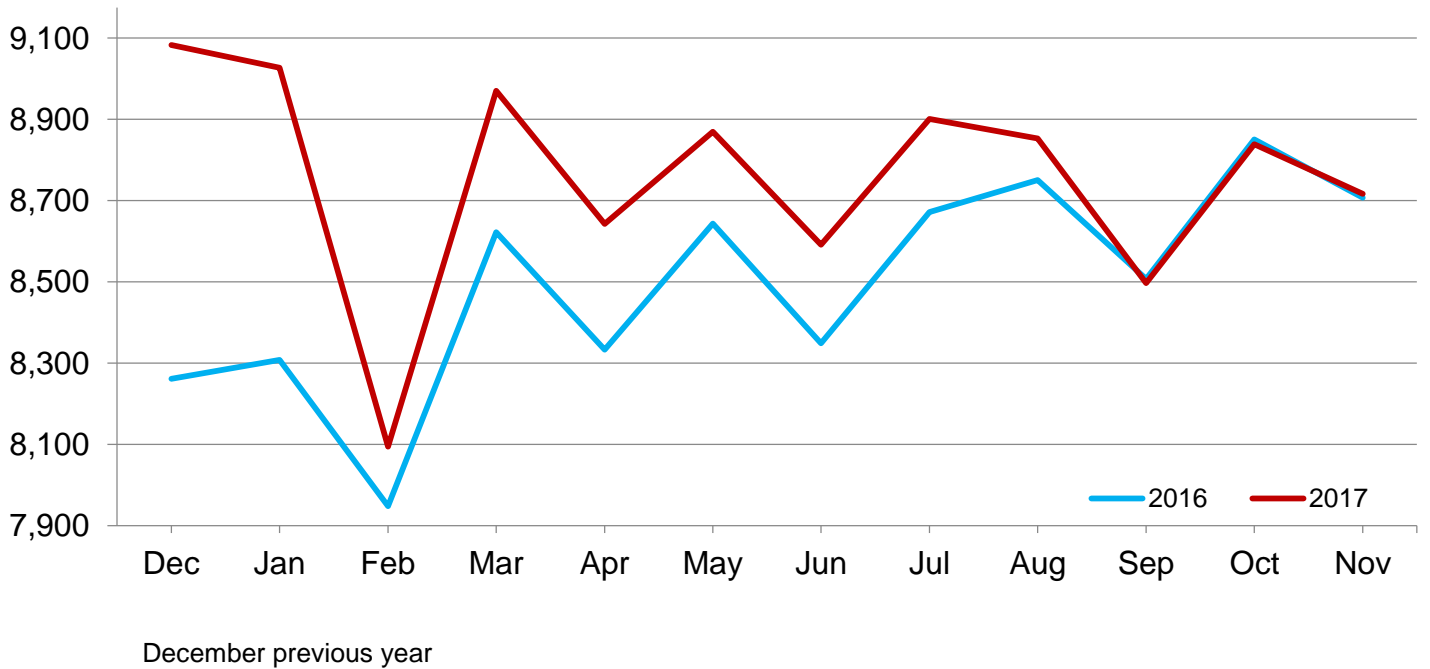
## Average Layers During the Month – United States

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 2016 and 2017**

Item	2016	2017	2017 as percent of 2016	
<b>Layers during October</b>				
All layers .....	1,000	370,864	374,856	101
Table egg type .....	1,000	313,630	314,692	100
Hatching egg type .....	1,000	57,234	60,164	105
Broiler-type hatching .....	1,000	53,780	57,007	106
Egg-type hatching .....	1,000	3,454	3,157	91
<b>Eggs per 100 layers during October</b>				
All layers .....	number	2,386	2,358	99
Table egg type .....	number	2,459	2,442	99
Hatching egg type .....	number	1,990	1,920	96
Broiler-type hatching .....	number	1,959	1,898	97
Egg-type hatching .....	number	2,472	2,309	93
<b>Eggs produced during October</b>				
All layers .....	million	8,850.6	8,838.7	100
Table egg type .....	million	7,711.8	7,683.7	100
Hatching egg type .....	million	1,138.8	1,155.0	101
Broiler-type hatching .....	million	1,053.4	1,082.1	103
Egg-type hatching .....	million	85.4	72.9	85
<b>Eggs produced during October</b>				
All layers .....	1,000 dozen	737,549.9	736,559.0	100
Table egg type .....	1,000 dozen	642,649.9	640,308.5	100
Hatching egg type .....	1,000 dozen	94,900.0	96,250.5	101
Broiler-type hatching .....	1,000 dozen	87,783.3	90,175.4	103
Egg-type hatching .....	1,000 dozen	7,116.7	6,075.1	85
<b>Layers on November 1</b>				
All layers .....	1,000	371,438	376,429	101
Table egg type .....	1,000	314,394	316,601	101
Hatching egg type .....	1,000	57,044	59,828	105
Broiler-type hatching .....	1,000	53,651	56,719	106
Egg-type hatching .....	1,000	3,393	3,109	92
<b>Eggs per 100 layers on November 1</b>				
All layers .....	number	77.3	76.3	99
Table egg type .....	number	79.6	79.0	99
Hatching egg type .....	number	64.5	62.0	96
Broiler-type hatching .....	number	63.5	61.2	96
Egg-type hatching .....	number	79.9	76.1	95
<b>Molted layers on November 1</b>				
Being molted .....	percent	2.3	2.1	91
Molt completed .....	percent	16.5	16.9	102
Layers sold for slaughter during October .....	1,000	16,682.7	14,362.3	86
Layers rendered, died, destroyed, composted or disappeared for any reason during October .....	1,000	8,372.3	8,830.3	105
Pullets on November 1 .....	1,000	112,926	113,168	100
Pullets added during October <sup>1</sup> .....	1,000	25,020.0	26,901.0	108

<sup>1</sup> 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 2016 and 2017**

Item	2016	2017	2017 as percent of 2016
<b>Layers during November</b>			
All layers ..... 1,000	374,040	378,092	101
Table egg type ..... 1,000	316,719	318,172	100
Hatching egg type ..... 1,000	57,321	59,920	105
Broiler-type hatching ..... 1,000	53,846	56,669	105
Egg-type hatching ..... 1,000	3,475	3,251	94
<b>Eggs per 100 layers during November</b>			
All layers ..... number	2,328	2,306	99
Table egg type ..... number	2,400	2,390	100
Hatching egg type ..... number	1,927	1,857	96
Broiler-type hatching ..... number	1,899	1,832	96
Egg-type hatching ..... number	2,357	2,301	98
<b>Eggs produced during November</b>			
All layers ..... million	8,707.1	8,717.1	100
Table egg type ..... million	7,602.4	7,604.4	100
Hatching egg type ..... million	1,104.7	1,112.7	101
Broiler-type hatching ..... million	1,022.8	1,037.9	101
Egg-type hatching ..... million	81.9	74.8	91
<b>Eggs produced during November</b>			
All layers ..... 1,000 dozen	725,592.3	726,424.9	100
Table egg type ..... 1,000 dozen	633,533.7	633,700.1	100
Hatching egg type ..... 1,000 dozen	92,058.6	92,724.8	101
Broiler-type hatching ..... 1,000 dozen	85,233.4	86,491.5	101
Egg-type hatching ..... 1,000 dozen	6,825.2	6,233.3	91
<b>Layers on December 1</b>			
All layers ..... 1,000	376,605	379,720	101
Table egg type ..... 1,000	319,024	319,722	100
Hatching egg type ..... 1,000	57,581	59,998	104
Broiler-type hatching ..... 1,000	54,032	56,611	105
Egg-type hatching ..... 1,000	3,549	3,387	95
<b>Eggs per 100 layers on December 1</b>			
All layers ..... number	77.9	77.3	99
Table egg type ..... number	80.4	80.2	100
Hatching egg type ..... number	63.9	61.8	97
Broiler-type hatching ..... number	63.1	60.9	97
Egg-type hatching ..... number	76.9	77.1	100
<b>Molted layers on December 1</b>			
Being molted ..... percent	1.5	1.1	73
Molt completed ..... percent	16.4	17.0	104
Layers sold for slaughter during November ..... 1,000	14,149.5	13,110.3	93
Layers rendered, died, destroyed, composted or disappeared for any reason during November ..... 1,000	7,729.7	7,449.2	96
Pullets on December 1 ..... 1,000	111,243	114,583	103
Pullets added during November <sup>1</sup> ..... 1,000	26,412.6	26,801.3	101

<sup>1</sup> Pullet chicks less than 3 days old added to pullet flocks.

## Layers on Hand and Eggs Produced – States and United States: During October 2016 and 2017

State	Table egg layers in flocks 30,000 and above		All layers		Eggs per 100 for all layers	
	2016	2017	2016	2017	2016	2017
	(1,000 layers)	(1,000 layers)	(1,000 layers)	(1,000 layers)	(eggs)	(eggs)
Alabama .....	1,514	1,373	8,955	9,486	1,981	1,924
Arkansas .....	3,772	3,870	13,373	13,850	2,104	2,052
California .....	10,979	12,149	11,498	12,786	2,527	2,335
Colorado .....	4,250	4,176	4,696	4,578	2,511	2,650
Florida .....	7,917	6,944	8,317	7,346	2,334	2,307
Georgia .....	9,477	9,447	18,524	19,405	2,157	2,124
Illinois .....	4,413	4,412	4,868	4,855	2,662	2,509
Indiana .....	30,462	31,770	31,444	32,635	2,503	2,481
Iowa .....	52,456	54,108	53,708	55,529	2,421	2,403
Maryland .....	2,520	2,625	2,691	2,786	2,475	2,495
Michigan .....	13,723	14,099	13,961	14,320	2,411	2,508
Minnesota .....	10,363	9,792	10,822	10,237	2,376	2,428
Mississippi .....	1,353	1,406	5,459	5,521	2,138	2,193
Missouri .....	7,941	6,394	11,560	9,959	2,540	2,404
Nebraska .....	8,850	7,440	8,958	7,714	2,564	2,514
New York .....	5,096	4,992	5,482	5,364	2,572	2,623
North Carolina .....	7,276	6,943	14,780	15,150	2,202	2,158
Ohio .....	31,648	30,329	32,495	31,238	2,461	2,419
Oregon .....	2,300	2,203	2,439	2,342	2,608	2,635
Pennsylvania .....	25,025	26,109	27,113	27,989	2,552	2,505
South Carolina .....	2,680	2,913	3,856	4,151	2,272	2,320
South Dakota .....	2,474	2,501	2,616	2,643	2,305	2,497
Texas .....	16,303	17,641	20,403	21,862	2,327	2,279
Utah .....	4,781	4,875	4,819	4,913	2,391	2,567
Virginia .....	1,203	849	2,867	2,519	2,358	2,342
Washington .....	6,688	6,637	6,853	6,802	2,399	2,493
Wisconsin .....	5,128	6,039	5,817	6,706	2,457	2,249
Other States <sup>1</sup> .....	23,537	23,237	32,490	32,170	2,272	2,241
United States .....	304,129	305,273	370,864	374,856	2,386	2,358

<sup>1</sup> Includes data for States not published in this table.



## Layers on Hand and Eggs Produced – States and United States: During November 2016 and 2017

State	Table egg layers in flocks 30,000 and above		All layers		Eggs per 100 for all layers	
	2016	2017	2016	2017	2016	2017
	(1,000 layers)	(1,000 layers)	(1,000 layers)	(1,000 layers)	(eggs)	(eggs)
Alabama .....	1,449	1,373	8,938	9,370	1,924	1,871
Arkansas .....	3,989	3,912	13,678	13,853	2,011	1,998
California .....	11,193	12,639	11,766	13,275	2,426	2,284
Colorado .....	4,195	4,056	4,649	4,458	2,471	2,541
Florida .....	7,931	7,007	8,311	7,366	2,286	2,326
Georgia .....	9,735	9,733	18,847	19,660	2,114	2,112
Illinois .....	4,368	4,638	4,832	5,069	2,568	2,393
Indiana .....	30,960	31,884	31,863	32,744	2,420	2,420
Iowa .....	53,300	54,258	54,522	55,675	2,377	2,351
Maryland .....	2,526	2,624	2,696	2,782	2,418	2,401
Michigan .....	14,000	14,349	14,238	14,570	2,432	2,451
Minnesota .....	10,444	9,928	10,902	10,411	2,353	2,319
Mississippi .....	1,364	1,440	5,422	5,594	2,086	2,095
Missouri .....	7,897	6,417	11,475	9,914	2,478	2,431
Nebraska .....	8,852	7,421	8,960	7,694	2,493	2,534
New York .....	5,111	5,058	5,501	5,424	2,498	2,528
North Carolina .....	7,574	7,120	15,027	15,237	2,163	2,122
Ohio .....	31,147	30,890	31,995	31,810	2,396	2,360
Oregon .....	2,365	2,231	2,504	2,370	2,576	2,540
Pennsylvania .....	25,742	26,530	27,923	28,460	2,413	2,433
South Carolina .....	2,672	2,781	3,844	4,013	2,216	2,198
South Dakota .....	2,601	2,621	2,743	2,763	2,315	2,457
Texas .....	16,634	17,760	20,822	22,036	2,231	2,256
Utah .....	5,032	5,043	5,070	5,081	2,391	2,490
Virginia .....	1,115	843	2,747	2,516	2,217	2,297
Washington .....	6,742	6,503	6,907	6,668	2,428	2,365
Wisconsin .....	4,956	6,178	5,638	6,821	2,485	2,297
Other States <sup>1</sup> .....	23,359	23,516	32,220	32,458	2,236	2,174
United States .....	307,253	308,753	374,040	378,092	2,328	2,306

<sup>1</sup> Includes data for States not published in this table.

## Egg Production by Type – States and United States: October 2016 and 2017

[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	
	2016	2017	2016	2017	2016	2017
	(million eggs)	(million eggs)	(million eggs)	(million eggs)	(million eggs)	(million eggs)
Alabama .....	177.4	182.5	39.6	37.0	137.8	145.5
Arkansas .....	281.4	284.2	96.0	98.9	185.4	185.3
California .....	290.6	298.5	(D)	(D)	(D)	(D)
Colorado .....	117.9	121.3	(D)	(D)	(D)	(D)
Florida .....	194.1	169.5	189.2	164.4	4.9	5.1
Georgia .....	399.5	412.1	221.8	225.8	177.7	186.3
Illinois .....	129.6	121.8	125.1	117.8	4.5	4.0
Indiana .....	787.2	809.6	767.9	793.0	19.3	16.6
Iowa .....	1,300.2	1,334.3	1,282.6	1,317.5	17.6	16.8
Maryland .....	66.6	69.5	65.2	68.5	1.4	1.0
Michigan .....	336.6	359.1	(D)	(D)	(D)	(D)
Minnesota .....	257.1	248.6	250.5	242.2	6.6	6.4
Mississippi .....	116.7	121.1	35.4	37.6	81.3	83.5
Missouri .....	293.6	239.4	(D)	(D)	(D)	(D)
Nebraska .....	229.7	193.9	229.7	189.7	-	4.2
New York .....	141.0	140.7	(D)	(D)	(D)	(D)
North Carolina .....	325.4	327.0	180.3	171.7	145.1	155.3
Ohio .....	799.6	755.8	(D)	(D)	(D)	(D)
Oregon .....	63.6	61.7	63.6	61.7	-	-
Pennsylvania .....	691.8	701.1	661.2	675.7	30.6	25.4
South Carolina .....	87.6	96.3	65.1	73.3	22.5	23.0
South Dakota .....	60.3	66.0	60.3	66.0	-	-
Texas .....	474.8	498.2	(D)	(D)	(D)	(D)
Utah .....	115.2	126.1	115.2	126.1	-	-
Virginia .....	67.6	59.0	35.8	28.5	31.8	30.5
Washington .....	164.4	169.6	(D)	(D)	(D)	(D)
Wisconsin .....	142.9	150.8	(D)	(D)	(D)	(D)
Other States <sup>1</sup> .....	738.2	721.0	603.1	588.9	135.1	132.1
United States .....	8,850.6	8,838.7	7,711.8	7,683.7	1,138.8	1,155.0

- Represents zero.

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

<sup>1</sup> Not published separately to avoid disclosing individual operations.

## Egg Production by Type – States and United States: November 2016 and 2017

[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	
	2016	2017	2016	2017	2016	2017
	(million eggs)	(million eggs)	(million eggs)	(million eggs)	(million eggs)	(million eggs)
Alabama .....	172.0	175.3	37.1	35.8	134.9	139.5
Arkansas .....	275.1	276.8	92.9	101.7	182.2	175.1
California .....	285.4	303.2	(D)	(D)	(D)	(D)
Colorado .....	114.9	113.3	(D)	(D)	(D)	(D)
Florida .....	190.0	171.3	186.2	167.2	3.8	4.1
Georgia .....	398.5	415.3	223.7	234.5	174.8	180.8
Illinois .....	124.1	121.3	119.7	117.7	4.4	3.6
Indiana .....	771.1	792.3	753.9	775.9	17.2	16.4
Iowa .....	1,296.1	1,308.7	1,280.3	1,291.6	15.8	17.1
Maryland .....	65.2	66.8	63.8	65.8	1.4	1.0
Michigan .....	346.3	357.1	(D)	(D)	(D)	(D)
Minnesota .....	256.5	241.4	250.1	234.8	6.4	6.6
Mississippi .....	113.1	117.2	34.0	36.2	79.1	81.0
Missouri .....	284.4	241.0	(D)	(D)	(D)	(D)
Nebraska .....	223.4	195.0	223.4	190.4	-	4.6
New York .....	137.4	137.1	(D)	(D)	(D)	(D)
North Carolina .....	325.0	323.3	186.3	174.5	138.7	148.8
Ohio .....	766.6	750.6	(D)	(D)	(D)	(D)
Oregon .....	64.5	60.2	64.5	60.2	-	-
Pennsylvania .....	673.9	692.4	643.4	667.6	30.5	24.8
South Carolina .....	85.2	88.2	63.6	66.6	21.6	21.6
South Dakota .....	63.5	67.9	63.5	67.9	-	-
Texas .....	464.6	497.2	(D)	(D)	(D)	(D)
Utah .....	121.2	126.5	121.2	126.5	-	-
Virginia .....	60.9	57.8	31.5	28.1	29.4	29.7
Washington .....	167.7	157.7	(D)	(D)	(D)	(D)
Wisconsin .....	140.1	156.7	(D)	(D)	(D)	(D)
Other States <sup>1</sup> .....	720.4	705.5	592.0	577.9	128.4	127.6
United States .....	8,707.1	8,717.1	7,602.4	7,604.4	1,104.7	1,112.7

- Represents zero.

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

<sup>1</sup> Not published separately to avoid disclosing individual operations.

## Egg Production in Dozens by Type – States and United States: October 2016 and 2017

[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	
	2016	2017	2016	2017	2016	2017
	(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 .....	14,783.3	15,208.4	3,300.0	3,083.4	11,483.3	12,125.0
Arkansas .....	23,450.0	23,683.4	8,000.0	8,241.7	15,450.0	15,441.7
California .....	24,216.7	24,875.1	(D)	(D)	(D)	(D)
Colorado .....	9,825.0	10,108.3	(D)	(D)	(D)	(D)
Florida .....	16,175.0	14,125.0	15,766.7	13,700.0	408.3	425.0
Georgia .....	33,291.7	34,341.7	18,483.4	18,816.7	14,808.3	15,525.0
Illinois .....	10,800.0	10,150.1	10,425.0	9,816.7	375.0	333.4
Indiana .....	65,599.9	67,466.7	63,991.6	66,083.4	1,608.3	1,383.3
Iowa .....	108,350.0	111,191.7	106,883.3	109,791.7	1,466.7	1,400.0
Maryland .....	5,550.1	5,791.7	5,433.4	5,708.4	116.7	83.3
Michigan .....	28,050.0	29,925.1	(D)	(D)	(D)	(D)
Minnesota .....	21,425.0	20,716.7	20,875.0	20,183.3	550.0	533.4
Mississippi .....	9,725.0	10,091.8	2,950.0	3,133.4	6,775.0	6,958.4
Missouri .....	24,466.7	19,950.0	(D)	(D)	(D)	(D)
Nebraska .....	19,141.6	16,158.3	19,141.6	15,808.3	-	350.0
New York .....	11,750.0	11,725.0	(D)	(D)	(D)	(D)
North Carolina .....	27,116.7	27,250.0	15,025.0	14,308.3	12,091.7	12,941.7
Ohio .....	66,633.3	62,983.3	(D)	(D)	(D)	(D)
Oregon .....	5,300.0	5,141.6	5,300.0	5,141.6	-	-
Pennsylvania .....	57,650.0	58,424.9	55,100.0	56,308.3	2,550.0	2,116.6
South Carolina .....	7,300.0	8,025.1	5,425.0	6,108.4	1,875.0	1,916.7
South Dakota .....	5,025.0	5,500.0	5,025.0	5,500.0	-	-
Texas .....	39,566.7	41,516.6	(D)	(D)	(D)	(D)
Utah .....	9,600.0	10,508.3	9,600.0	10,508.3	-	-
Virginia .....	5,633.3	4,916.7	2,983.3	2,375.0	2,650.0	2,541.7
Washington .....	13,700.0	14,133.3	(D)	(D)	(D)	(D)
Wisconsin .....	11,908.2	12,566.7	(D)	(D)	(D)	(D)
Other States <sup>1</sup> .....	61,516.7	60,083.5	50,258.3	49,074.9	11,258.4	11,008.6
United States .....	737,549.9	736,559.0	642,649.9	640,308.5	94,900.0	96,250.5

- Represents zero.

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

<sup>1</sup> Not published separately to avoid disclosing individual operations.

## Egg Production in Dozens by Type – States and United States: November 2016 and 2017

[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	
	2016	2017	2016	2017	2016	2017
	(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 .....	14,333.3	14,608.3	3,091.6	2,983.3	11,241.7	11,625.0
Arkansas .....	22,925.0	23,066.7	7,741.7	8,475.0	15,183.3	14,591.7
California .....	23,783.4	25,266.7	(D)	(D)	(D)	(D)
Colorado .....	9,575.0	9,441.7	(D)	(D)	(D)	(D)
Florida .....	15,833.4	14,275.1	15,516.7	13,933.4	316.7	341.7
Georgia .....	33,208.4	34,608.4	18,641.7	19,541.7	14,566.7	15,066.7
Illinois .....	10,341.7	10,108.3	9,975.0	9,808.3	366.7	300.0
Indiana .....	64,258.4	66,025.0	62,825.0	64,658.3	1,433.4	1,366.7
Iowa .....	108,008.4	109,058.4	106,691.7	107,633.4	1,316.7	1,425.0
Maryland .....	5,433.3	5,566.6	5,316.6	5,483.3	116.7	83.3
Michigan .....	28,858.3	29,758.3	(D)	(D)	(D)	(D)
Minnesota .....	21,375.0	20,116.6	20,841.7	19,566.6	533.3	550.0
Mississippi .....	9,424.9	9,766.6	2,833.3	3,016.6	6,591.6	6,750.0
Missouri .....	23,700.0	20,083.3	(D)	(D)	(D)	(D)
Nebraska .....	18,616.7	16,250.0	18,616.7	15,866.7	-	383.3
New York .....	11,450.0	11,425.0	(D)	(D)	(D)	(D)
North Carolina .....	27,083.4	26,941.6	15,525.0	14,541.6	11,558.4	12,400.0
Ohio .....	63,883.3	62,549.9	(D)	(D)	(D)	(D)
Oregon .....	5,375.0	5,016.7	5,375.0	5,016.7	-	-
Pennsylvania .....	56,158.4	57,700.0	53,616.7	55,633.4	2,541.7	2,066.6
South Carolina .....	7,100.0	7,350.0	5,300.0	5,550.0	1,800.0	1,800.0
South Dakota .....	5,291.7	5,658.4	5,291.7	5,658.4	-	-
Texas .....	38,716.7	41,433.4	(D)	(D)	(D)	(D)
Utah .....	10,100.0	10,541.7	10,100.0	10,541.7	-	-
Virginia .....	5,075.0	4,816.7	2,625.0	2,341.7	2,450.0	2,475.0
Washington .....	13,975.0	13,141.7	(D)	(D)	(D)	(D)
Wisconsin .....	11,675.0	13,058.3	(D)	(D)	(D)	(D)
Other States <sup>1</sup> .....	60,033.6	58,791.5	49,333.6	48,158.3	10,700.0	10,633.2
United States .....	725,592.3	726,424.9	633,533.7	633,700.1	92,058.6	92,724.8

- Represents zero.

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

<sup>1</sup> Not published separately to avoid disclosing individual operations.

## Molted as Percent of All Layers by Month – United States: 2016-2017

[As of the first of the month]

Month	Being molted		Molt completed	
	2016	2017	2016	2017
	(percent)	(percent)	(percent)	(percent)
January .....	2.5	1.7	21.3	15.7
February .....	3.0	2.2	20.5	15.3
March .....	1.5	2.4	20.6	15.3
April .....	3.0	1.7	19.2	15.6
May .....	2.8	2.7	18.7	15.0
June .....	2.9	2.4	18.2	15.0
July .....	2.6	2.4	17.6	15.3
August .....	2.6	2.5	17.3	15.5
September .....	2.7	3.5	16.5	15.3
October .....	2.1	3.0	16.8	16.1
November .....	2.3	2.1	16.5	16.9
December .....	1.5	1.1	16.4	17.0

## Molted as Percent of All Layers – States and United States: November 1 and December 1, 2016 and 2017

State	Being molted				Molt completed			
	November 1		December 1		November 1		December 1	
	2016	2017	2016	2017	2016	2017	2016	2017
	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)
Alabama .....	-	-	0.5	-	12.5	4.5	11.0	4.5
Arkansas .....	-	-	2.0	-	19.0	9.5	16.5	9.0
California .....	2.5	2.5	2.0	0.5	16.0	15.0	14.5	16.0
Colorado .....	1.0	-	0.5	-	13.0	11.0	9.0	9.5
Florida .....	7.0	2.5	4.0	0.5	75.0	70.0	79.5	67.0
Georgia .....	2.0	2.5	2.0	1.0	13.5	12.0	9.5	13.5
Illinois .....	10.0	4.0	-	4.0	4.5	10.5	14.0	10.0
Indiana .....	1.0	2.0	1.0	0.5	15.0	16.5	14.5	17.0
Iowa .....	2.0	3.5	0.5	1.5	10.0	23.5	10.5	25.5
Maryland .....	-	-	-	-	-	-	-	-
Michigan .....	1.5	1.0	-	-	5.5	6.0	6.5	6.5
Minnesota .....	0.5	4.5	-	4.0	13.5	10.0	13.0	10.5
Mississippi .....	1.5	-	1.5	-	24.0	12.0	25.5	10.0
Missouri .....	-	-	-	-	11.5	10.5	10.5	10.5
Nebraska .....	2.5	2.5	-	-	9.0	7.5	11.0	10.0
New York .....	1.0	-	-	-	2.5	4.0	2.5	4.0
North Carolina .....	-	-	-	-	15.0	15.0	15.0	13.5
Ohio .....	5.0	4.0	5.0	3.5	24.5	23.5	22.5	25.0
Oregon .....	-	-	-	-	21.0	4.5	13.0	4.5
Pennsylvania .....	5.0	1.5	-	0.5	1.0	5.5	6.0	5.0
South Carolina .....	1.0	-	1.0	-	24.5	7.5	22.5	5.0
South Dakota .....	2.0	-	-	-	10.5	10.0	11.0	10.0
Texas .....	3.0	2.0	5.5	0.5	51.0	36.0	51.5	32.5
Utah .....	1.0	0.5	-	-	26.0	19.0	20.5	18.0
Virginia .....	-	4.0	4.0	-	14.5	-	10.0	4.0
Washington .....	3.5	4.0	2.0	3.0	14.5	15.0	14.0	15.0
Wisconsin .....	-	1.5	2.0	3.0	12.5	29.0	12.5	28.5
Other States <sup>1</sup> .....	2.0	1.8	1.7	1.5	12.9	14.9	13.1	14.3
United States .....	2.3	2.1	1.5	1.1	16.5	16.9	16.4	17.0

- Represents zero.

<sup>1</sup> Includes data for States not published in this table.

## Hatchery Production – United States: 2016 and 2017

Item	2016	2017	2017 as percent of 2016
	(1,000)	(1,000)	(percent)
<b>Egg-type</b>			
Eggs in incubators on December 1 .....	45,460	48,460	107
Chicks hatched during November .....	41,648	48,009	115
Chicks hatched January through November .....	540,004	531,166	98
<b>Pullets hatched during November for intended placements:</b>			
Hatchery supply flocks .....	270	150	56
Cumulative potential placements 7-18 months earlier <sup>1</sup> .....	2,820	2,951	105
<b>Broiler-type</b>			
Eggs in incubators on December 1 .....	658,878	681,245	103
Chicks hatched during November .....	759,396	773,271	102
Chicks hatched January through November .....	8,659,933	8,789,239	101
<b>Pullets hatched during November for intended placements:</b>			
Hatchery supply flocks .....	7,710	7,943	103
Cumulative potential placements 7-15 months earlier <sup>2</sup> .....	68,699	67,755	99

<sup>1</sup> 2017 includes pullet chicks hatched May 2016 through April 2017.

<sup>2</sup> 2017 includes pullet chicks hatched August 2016 through April 2017.

## Egg-Type Eggs in Incubators on the First of the Month – Regions and United States: 2016-2017

[See regional listing on page 21]

Region	November 1		2017 as percent of 2016	December 1		2017 as percent of 2016
	2016	2017		2016	2017	
	(1,000 eggs)	(1,000 eggs)	(percent)	(1,000 eggs)	(1,000 eggs)	(percent)
North Atlantic .....	7,076	7,124	101	7,199	7,672	107
East North Central .....	7,704	5,884	76	5,465	5,679	104
West North Central .....	11,590	17,615	152	16,826	20,970	125
South Atlantic .....	4,629	4,303	93	4,703	4,900	104
South Central .....	4,847	5,260	109	5,909	4,289	73
West .....	5,244	4,763	91	5,358	4,950	92
United States .....	41,090	44,949	109	45,460	48,460	107

## Egg-Type Chicks Hatched by Month – United States: 2016-2017

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

Month	By months			Cumulative		
	2016	2017	2017 as percent of 2016	2016	2017	2017 as percent of 2016
	(1,000 chicks)	(1,000 chicks)	(percent)	(1,000 chicks)	(1,000 chicks)	(percent)
January .....	47,775	44,906	94	47,775	44,906	94
February .....	54,289	48,456	89	102,064	93,362	91
March .....	57,055	55,457	97	159,119	148,819	94
April .....	51,266	52,025	101	210,385	200,844	95
May .....	57,306	53,073	93	267,691	253,917	95
June .....	57,562	48,828	85	325,253	302,745	93
July .....	41,609	41,463	100	366,862	344,208	94
August .....	43,258	45,439	105	410,120	389,647	95
September .....	44,892	42,271	94	455,012	431,918	95
October .....	43,344	51,239	118	498,356	483,157	97
November .....	41,648	48,009	115	540,004	531,166	98
December .....	45,633			585,637		



## Intended Placements of Egg-Type Pullet Chicks for Hatchery Supply Flocks by Month – United States: 2016-2018

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

Month	Pullet chicks hatched		2017 as percent of 2016	Cumulative potential placements relative to current supply flocks 7-18 months earlier <sup>1</sup>	
	2016	2017		2017	2018
	(1,000 chicks)	(1,000 chicks)	(percent)	(1,000 chicks)	(1,000 chicks)
January .....	148	222	150	2,836	3,012
February .....	189	180	95	2,855	3,042
March .....	160	189	118	3,013	2,862
April .....	351	245	70	2,972	2,871
May .....	327	298	91	2,966	2,745
June .....	244	334	137	3,019	2,625
July .....	286	316	110	2,963	
August .....	324	144	44	3,037	
September .....	181	190	105	3,028	
October .....	324	198	61	3,057	
November .....	270	150	56	2,951	
December .....	159			2,922	
Total .....	2,963				

<sup>1</sup> For November 2017, includes breeder pullet chicks hatched May 2016 through April 2017. 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 – Regions and United States: 2016-2017

[See regional listing on page 21]

Region	November 1		2017 as percent of 2016	December 1		2017 as percent of 2016
	2016	2017		2016	2017	
	(1,000 eggs)	(1,000 eggs)	(percent)	(1,000 eggs)	(1,000 eggs)	(percent)
North Atlantic .....	14,108	15,151	107	14,739	17,460	118
East North Central .....	14,796	16,241	110	15,257	16,561	109
West North Central .....	28,637	27,979	98	32,023	31,968	100
South Atlantic .....	243,658	251,367	103	250,943	258,087	103
South Central .....	307,102	316,369	103	322,485	333,687	103
West .....	23,208	23,723	102	23,431	23,482	100
United States .....	631,509	650,830	103	658,878	681,245	103

## Broiler-Type Chicks Hatched – States and United States: November 2016 and 2017

State	During November			January-November		
	2016	2017	2017 as percent of 2016	2016	2017	2017 as percent of 2016
	(1,000 chicks)	(1,000 chicks)	(percent)	(1,000 chicks)	(1,000 chicks)	(percent)
Alabama .....	102,164	102,356	100	1,155,356	1,177,063	102
Arkansas .....	77,081	81,788	106	889,995	922,021	104
Delaware .....	17,211	17,110	99	190,519	192,820	101
Florida .....	4,307	4,388	102	48,367	45,753	95
Georgia .....	118,930	120,619	101	1,367,578	1,359,829	99
Kentucky .....	24,372	26,202	108	299,823	293,856	98
Louisiana .....	11,433	11,748	103	139,966	139,952	100
Maryland .....	27,555	29,250	106	317,278	323,654	102
Mississippi .....	61,862	62,896	102	725,915	717,606	99
Missouri .....	27,354	26,655	97	319,949	327,016	102
North Carolina .....	74,938	77,636	104	832,080	862,544	104
Oklahoma .....	26,017	26,072	100	280,329	294,008	105
Pennsylvania .....	16,171	16,843	104	182,575	186,692	102
South Carolina .....	19,136	19,638	103	217,477	220,275	101
Texas .....	55,774	55,566	100	623,095	635,442	102
Virginia .....	22,621	22,305	99	258,237	258,589	100
California, Tennessee, and West Virginia .....	42,304	40,575	96	479,726	470,069	98
19 States <sup>1</sup> .....	729,230	741,647	102	8,328,265	8,427,189	101
Other States <sup>2</sup> .....	30,166	31,624	105	331,668	362,050	109
United States .....	759,396	773,271	102	8,659,933	8,789,239	101

<sup>1</sup> States in the weekly hatchery production estimating program.

<sup>2</sup> Not published separately to avoid disclosing data for individual operations.

## Broiler-Type Chicks Hatched by Month – United States: 2016-2017

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

Month	By months			Cumulative		
	2016	2017	2017 as percent of 2016	2016	2017	2017 as percent of 2016
	(1,000 chicks)	(1,000 chicks)	(percent)	(1,000 chicks)	(1,000 chicks)	(percent)
January .....	799,283	809,163	101	799,283	809,163	101
February .....	748,726	730,514	98	1,548,009	1,539,677	99
March .....	803,974	818,706	102	2,351,983	2,358,383	100
April .....	780,702	793,352	102	3,132,685	3,151,735	101
May .....	807,675	820,675	102	3,940,360	3,972,410	101
June .....	789,665	801,984	102	4,730,025	4,774,394	101
July .....	810,621	826,612	102	5,540,646	5,601,006	101
August .....	808,478	832,975	103	6,349,124	6,433,981	101
September .....	771,937	788,202	102	7,121,061	7,222,183	101
October .....	779,476	793,785	102	7,900,537	8,015,968	101
November .....	759,396	773,271	102	8,659,933	8,789,239	101
December .....	811,139			9,471,072		

## Intended Placements of Broiler-Type Pullet Chicks for Hatchery Supply Flocks by Month and Total: 2016-2018

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

Month	Pullet chicks hatched		2017 as percent of 2016	Cumulative potential placements relative to current supply flocks 7-15 months earlier <sup>1</sup>	
	2016 (1,000 chicks)	2017 (1,000 chicks)		2017 (1,000 chicks)	2018 (1,000 chicks)
<b>United States placements</b>					
January .....	6,726	7,163	106	68,802	68,873
February .....	8,098	7,832	97	69,669	69,049
March .....	8,143	8,262	101	70,129	69,495
April .....	7,615	7,045	93	70,194	70,200
May .....	8,083	8,159	101	70,377	70,626
June .....	8,500	8,258	97	69,989	70,737
July .....	7,730	7,085	92	69,381	
August .....	7,690	8,156	106	68,929	
September .....	7,609	8,240	108	68,678	
October .....	6,909	7,589	110	68,440	
November .....	7,710	7,943	103	67,755	
December .....	7,535			68,224	
Annual total .....	92,348				
<b>Total placements <sup>2</sup></b>					
January .....	8,275	8,764	106		
February .....	10,098	9,958	99		
March .....	10,025	10,047	100		
April .....	9,128	8,592	94		
May .....	9,954	9,806	99		
June .....	10,257	9,903	97		
July .....	9,119	8,598	94		
August .....	9,708	9,988	103		
September .....	9,584	10,042	105		
October .....	8,522	9,605	113		
November .....	9,379	9,695	103		
December .....	9,459				
Annual total .....	113,508				

<sup>1</sup> For November 2017, includes breeder pullet chicks hatched August 2016 through April 2017.

<sup>2</sup> 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 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. Individual hatchery data are summed to State, regional, and United States totals.

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 1.5 percent. This means that chances are 2 out of 3 that the final estimate will not be above or below the current estimate of 378 million layers by more than 1.5 percent. Chances are 9 out of 10 that the difference will not exceed 2.6 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) 1.5	(percent) 2.6	(1,000) 4,259	(1,000) 26	(1,000) 9,308	(number) 19	(number) 5
Eggs .....	1.6	2.7	(million) 101	(million) 0	(million) 277	20	4

## Egg-Type Regional Listing

**North Atlantic:** Connecticut, New York, Pennsylvania.  
**East North Central:** Illinois, Indiana, Michigan, Ohio, Wisconsin.  
**West North Central:** Iowa, Kansas, Minnesota, Missouri, Nebraska.  
**South Atlantic:** Florida, Georgia, Virginia.  
**South Central:** Alabama, Mississippi, Texas.  
**West:** California, Idaho, New Mexico.

## Broiler-Type Regional Listing

**North Atlantic:** New York, Pennsylvania.  
**East North Central:** Indiana, Ohio, Wisconsin.  
**West North Central:** Iowa, Minnesota, Missouri.  
**South Atlantic:** Delaware, Florida, Georgia, Maryland, North Carolina, South Carolina, Virginia, West Virginia.  
**South Central:** Alabama, Arkansas, Kentucky, Louisiana, Mississippi, Oklahoma, Tennessee, Texas.  
**West:** California, Oregon, Washington.

## Chicken Hatchery Capacity Regional Listing

**North Atlantic:** Connecticut, Massachusetts, New Hampshire, New York, Pennsylvania.  
**East North Central:** Illinois, Indiana, Michigan, Ohio, Wisconsin.  
**West North Central:** Iowa, Kansas, Minnesota, Missouri, Nebraska.  
**South Atlantic:** Delaware, Florida, Georgia, Maryland, North Carolina, South Carolina, Virginia, West Virginia.  
**South Central:** Alabama, Arkansas, Kentucky, Louisiana, Mississippi, Oklahoma, Tennessee, Texas.  
**West:** California, Hawaii, Idaho, New Mexico, Oregon, Washington.

## 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](mailto:nass@nass.usda.gov)

Travis Averill, Chief, Livestock Branch .....	(202) 720-3570
Bruce Boess, Head, Poultry and Specialty Commodities Section .....	(202) 720-4447
Aaron Cosgrove – Catfish Production, Egg Products, Poultry Slaughter, Trout Production	
Turkey Hatchery, Turkeys Raised .....	(202) 690-3237
Alissa Cowell-Mytar – Cold Storage .....	(202) 720-4751
Tom Kruchten – Census of Aquaculture .....	(202) 690-4870
Kim Linonis – Layers, Eggs .....	(202) 690-8632
Miste Salmon – Broiler Hatchery, Chicken Hatchery, Mink .....	(202) 720-3244
Vacant – Cost of Pollination, Honey, Honey Bee Colonies .....	(202) 690-3676

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- Both national and state specific reports are available via a free e-mail subscription. To set-up this free subscription, visit [www.nass.usda.gov](http://www.nass.usda.gov) and click on “National” or “State” in upper right corner above “search” box to create an account and select the reports you would like to receive.

For more information on NASS surveys and reports, call the NASS Agricultural Statistics Hotline at (800) 727-9540, 7:30 a.m. to 4:00 p.m. ET, or e-mail: [nass@nass.usda.gov](mailto:nass@nass.usda.gov).

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