



Chickens and Eggs

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September Egg Production Up 2 Percent

United States egg production totaled 9.19 billion during September 2019, up 2 percent from last year. Production included 8.04 billion table eggs, and 1.15 billion hatching eggs, of which 1.07 billion were broiler-type and 81.7 million were egg-type. The average number of layers during September 2019 totaled 394 million, up 1 percent from last year. September egg production per 100 layers was 2,332 eggs, up 1 percent from September 2018.

Total layers in the United States on October 1, 2019 totaled 395 million, up 1 percent from last year. The 395 million layers consisted of 333 million layers producing table or market type eggs, 58.2 million layers producing broiler-type hatching eggs, and 3.46 million layers producing egg-type hatching eggs. Rate of lay per day on October 1, 2019, averaged 77.6 eggs per 100 layers, up 1 percent from October 1, 2018.

Egg-Type Chicks Hatched Up 1 Percent

Egg-type chicks hatched during September 2019 totaled 50.1 million, up 1 percent from September 2018. Eggs in incubators totaled 48.3 million on October 1, 2019, down 6 percent from a year ago.

Domestic placements of egg-type pullet chicks for future hatchery supply flocks by leading breeders totaled 286 thousand during September 2019, up 91 percent from September 2018.

Broiler-Type Chicks Hatched Up 3 Percent

Broiler-type chicks hatched during September 2019 totaled 814 million, up 3 percent from September 2018. Eggs in incubators totaled 674 million on October 1, 2019, up 4 percent from a year ago.

Leading breeders placed 8.62 million broiler-type pullet chicks for future domestic hatchery supply flocks during September 2019, up 4 percent from September 2018.

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Average Layers During the Month – United States: 2018-2019

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

Month	2018		2019	
	(1,000 layers)		(1,000 layers)	
December ¹		388,256		392,577
January		388,368		394,789
February		390,282		399,559
March		392,585		403,680
April		392,319		402,489
May		391,773		397,737
June		391,581		392,692
July		390,626		390,484
August		390,726		391,826
September		391,745		394,120
October		392,492		
November		394,987		

¹ December previous year.

Egg Production During the Month by Type – United States: 2018-2019

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

Month	Total eggs		Table eggs		Hatching eggs	
	2018	2019	2018	2019	2018	2019
	(million eggs)					
December ¹	9,252.0	9,435.6	8,106.1	8,259.1	1,145.9	1,176.5
January	9,132.1	9,456.6	7,983.3	8,275.4	1,148.8	1,181.2
February	8,278.0	8,599.6	7,226.9	7,516.5	1,051.1	1,083.1
March	9,243.3	9,626.7	8,070.2	8,424.3	1,173.1	1,202.4
April	8,932.3	9,325.6	7,785.1	8,160.0	1,147.2	1,165.6
May	9,251.8	9,559.4	8,055.8	8,346.3	1,196.0	1,213.1
June	8,965.7	9,164.5	7,798.2	7,990.8	1,167.5	1,173.7
July	9,239.2	9,408.5	8,035.5	8,200.4	1,203.7	1,208.1
August	9,304.6	9,453.6	8,106.1	8,253.9	1,198.5	1,199.7
September	9,052.4	9,189.5	7,898.8	8,035.2	1,153.6	1,154.3
October	9,369.8		8,185.2		1,184.6	
November	9,170.9		8,024.2		1,146.7	

¹ December previous year.

Egg Production During the Month in Dozens by Type – United States: 2018-2019

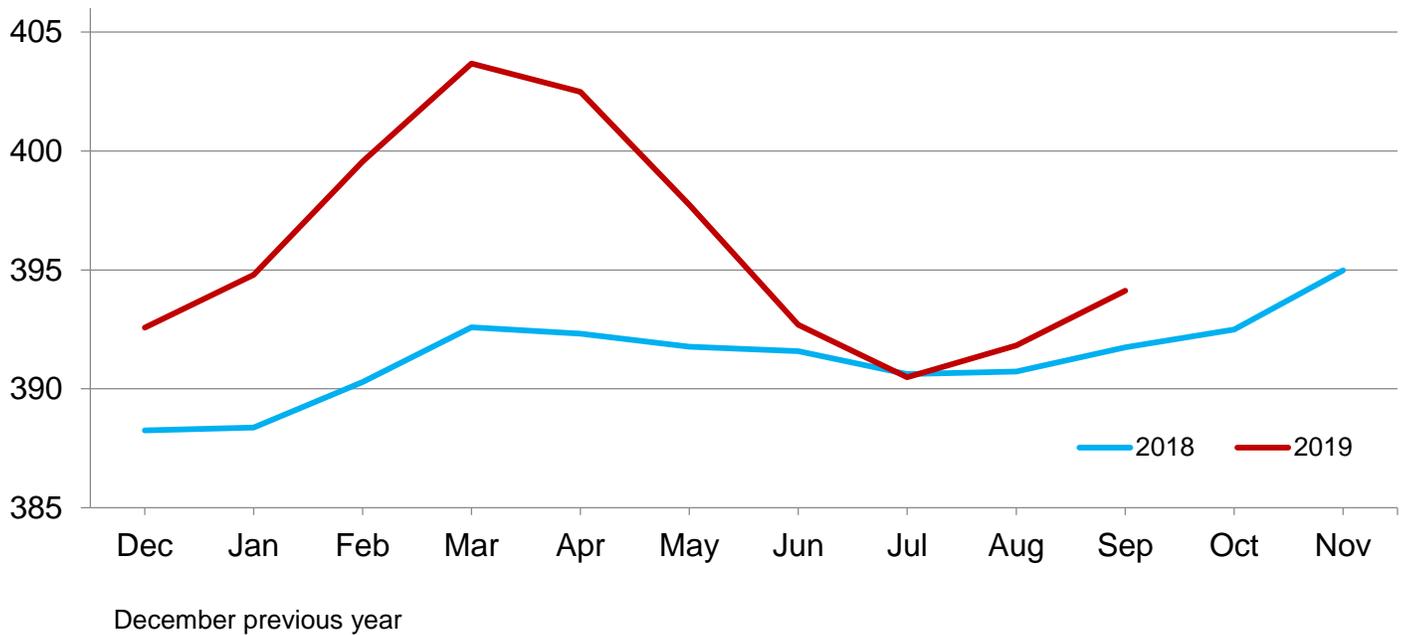
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Month	Total eggs		Table eggs		Hatching eggs	
	2018	2019	2018	2019	2018	2019
	(1,000 dozen eggs)					
December ¹	771,000.5	786,299.9	675,508.4	688,258.4	95,492.1	98,041.5
January	761,008.4	788,050.4	665,275.0	689,617.1	95,733.4	98,433.3
February	689,833.4	716,633.1	602,241.7	626,374.9	87,591.7	90,258.2
March	770,275.4	802,224.9	672,517.0	702,025.0	97,758.4	100,199.9
April	744,358.6	777,133.0	648,758.7	679,999.9	95,599.9	97,133.1
May	770,983.3	796,616.6	671,316.9	695,525.0	99,666.4	101,091.6
June	747,142.1	763,708.5	649,850.4	665,900.2	97,291.7	97,808.3
July	769,933.8	784,041.3	669,625.3	683,366.7	100,308.5	100,674.6
August	775,383.4	787,799.8	675,508.8	687,825.1	99,874.6	99,974.7
September	754,366.7	765,791.6	658,233.4	669,599.8	96,133.3	96,191.8
October	780,817.0		682,100.2		98,716.8	
November	764,242.0		668,683.5		95,558.5	

¹ December previous year.

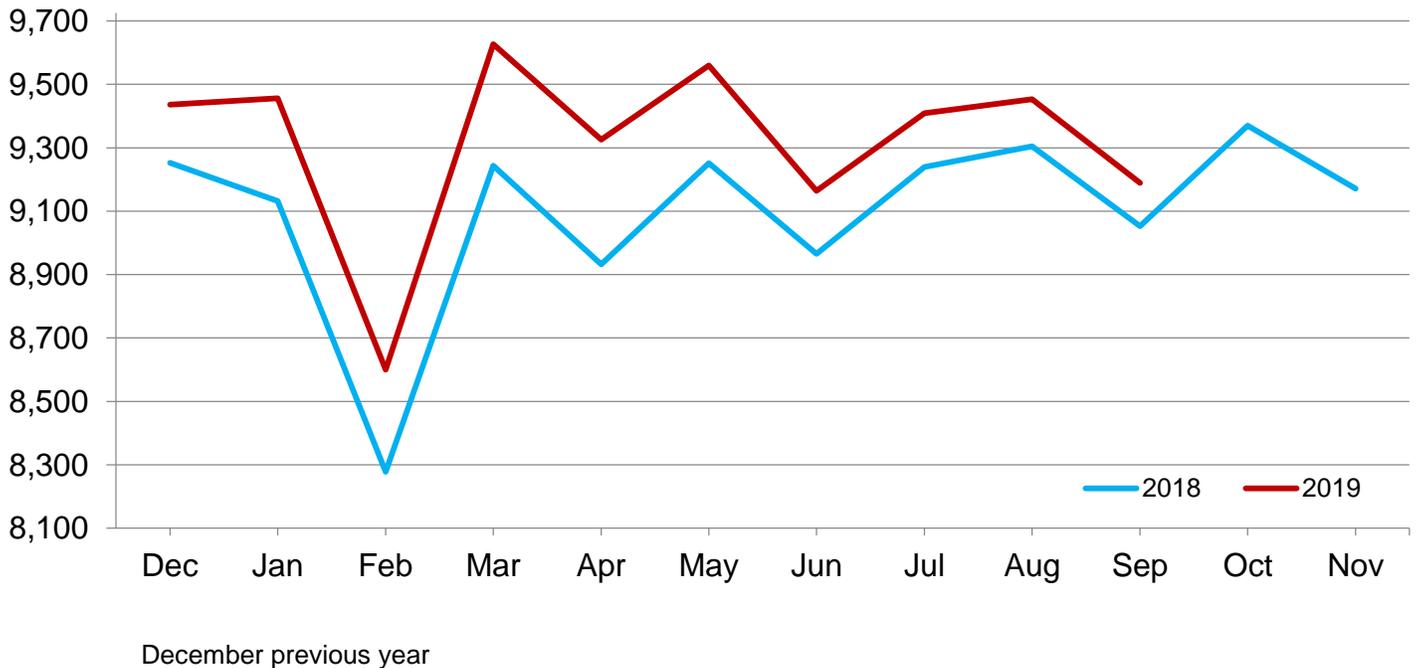
Average Layers During the Month – United States

Million layers



Total Egg Production During the Month – United States

Million eggs



**Layers on Hand and Eggs Produced by Type and Molt – United States:
August-September 2018 and 2019**

Item	2018	2019	2019 as percent of 2018
Layers during August			
Total layers 1,000	390,726	391,826	100
Table egg type 1,000	329,427	329,933	100
Hatching egg type 1,000	61,299	61,893	101
Broiler-type hatching 1,000	57,858	58,618	101
Egg-type hatching 1,000	3,441	3,275	95
Eggs per 100 layers during August			
Total layers number	2,381	2,413	101
Table egg type number	2,461	2,502	102
Hatching egg type number	1,955	1,938	99
Broiler-type hatching number	1,921	1,905	99
Egg-type hatching number	2,525	2,528	100
Eggs produced during August			
Total layers million	9,304.6	9,453.6	102
Table egg type million	8,106.1	8,253.9	102
Hatching egg type million	1,198.5	1,199.7	100
Broiler-type hatching million	1,111.6	1,116.9	100
Egg-type hatching million	86.9	82.8	95
Eggs produced during August			
Total layers 1,000 dozen	775,383.4	787,799.8	102
Table egg type 1,000 dozen	675,508.8	687,825.1	102
Hatching egg type 1,000 dozen	99,874.6	99,974.7	100
Broiler-type hatching 1,000 dozen	92,633.1	93,074.8	100
Egg-type hatching 1,000 dozen	7,241.5	6,899.9	95
Layers on September 1			
Total layers 1,000	391,569	393,106	100
Table egg type 1,000	330,583	331,542	100
Hatching egg type 1,000	60,986	61,564	101
Broiler-type hatching 1,000	57,485	58,272	101
Egg-type hatching 1,000	3,501	3,292	94
Eggs per 100 layers on September 1			
Total layers number	77.2	77.8	101
Table egg type number	79.7	80.7	101
Hatching egg type number	63.5	62.4	98
Broiler-type hatching number	62.4	61.3	98
Egg-type hatching number	81.2	81.8	101
Molted layers on September 1			
Being molted percent	2.7	2.0	74
Molt completed percent	14.6	13.2	90
Layers sold for slaughter during August 1,000	16,247.3	14,443.2	89
Layers rendered, died, destroyed, composted or disappeared for any reason during August 1,000	9,139.7	11,887.2	130
Pullets on September 1 1,000	126,301	126,288	100
Pullets added during August ¹ 1,000	30,079.2	28,799.0	96

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

**Layers on Hand and Eggs Produced by Type and Molt – United States:
September-October 2018 and 2019**

Item	2018	2019	2019 as percent of 2018
Layers during September			
Total layers 1,000	391,745	394,120	101
Table egg type 1,000	330,808	332,514	101
Hatching egg type 1,000	60,937	61,606	101
Broiler-type hatching 1,000	57,459	58,229	101
Egg-type hatching 1,000	3,478	3,377	97
Eggs per 100 layers during September			
Total layers number	2,311	2,332	101
Table egg type number	2,388	2,416	101
Hatching egg type number	1,893	1,874	99
Broiler-type hatching number	1,860	1,842	99
Egg-type hatching number	2,432	2,419	99
Eggs produced during September			
Total layers million	9,052.4	9,189.5	102
Table egg type million	7,898.8	8,035.2	102
Hatching egg type million	1,153.6	1,154.3	100
Broiler-type hatching million	1,069.0	1,072.6	100
Egg-type hatching million	84.6	81.7	97
Eggs produced during September			
Total layers 1,000 dozen	754,366.7	765,791.6	102
Table egg type 1,000 dozen	658,233.4	669,599.8	102
Hatching egg type 1,000 dozen	96,133.3	96,191.8	100
Broiler-type hatching 1,000 dozen	89,083.2	89,383.2	100
Egg-type hatching 1,000 dozen	7,050.1	6,808.6	97
Layers on October 1			
Total layers 1,000	391,885	395,102	101
Table egg type 1,000	331,015	333,470	101
Hatching egg type 1,000	60,870	61,632	101
Broiler-type hatching 1,000	57,422	58,176	101
Egg-type hatching 1,000	3,448	3,456	100
Eggs per 100 layers on October 1			
Total layers number	76.9	77.6	101
Table egg type number	79.5	80.3	101
Hatching egg type number	62.8	62.5	100
Broiler-type hatching number	61.6	61.5	100
Egg-type hatching number	81.4	79.6	98
Molted layers on October 1			
Being molted percent	2.3	1.9	83
Molt completed percent	15.2	13.3	88
Layers sold for slaughter during September 1,000	14,442.1	14,091.8	98
Layers rendered, died, destroyed, composted or disappeared for any reason during September 1,000	9,968.3	9,305.9	93
Pullets on October 1 1,000	126,134	124,517	99
Pullets added during September ¹ 1,000	26,415.1	25,937.4	98

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

Layers on Hand and Eggs Produced – States and United States: During August 2018 and 2019

State	Table egg layers in flocks 30,000 and above		Total layers		Eggs per 100 for total layers	
	2018	2019	2018	2019	2018	2019
	(1,000 layers)	(1,000 layers)	(1,000 layers)	(1,000 layers)	(eggs)	(eggs)
Alabama	1,365	1,435	9,546	10,105	1,916	1,916
Arkansas	4,161	(D)	14,549	14,654	2,099	2,079
California	13,945	12,525	14,685	13,134	2,500	2,430
Colorado	4,241	4,383	4,761	4,896	2,642	2,547
Florida ¹	6,765	(NA)	7,254	(NA)	2,339	(NA)
Georgia	8,804	9,093	19,123	19,244	2,113	2,191
Illinois	5,693	5,771	6,245	6,347	2,511	2,541
Indiana	32,773	32,535	33,995	33,707	2,423	2,435
Iowa	56,646	55,642	58,272	57,329	2,417	2,501
Kentucky ²	(NA)	(D)	(NA)	5,589	(NA)	2,210
Maryland	2,350	2,370	2,557	2,576	2,472	2,492
Michigan	15,382	13,815	15,671	14,109	2,517	2,517
Minnesota	10,407	10,197	10,945	10,743	2,512	2,586
Mississippi	1,453	(D)	5,590	5,510	2,141	2,120
Missouri	7,518	7,110	12,356	12,234	2,471	2,524
Nebraska	7,587	8,656	7,854	9,120	2,599	2,578
New York	4,982	4,971	5,525	5,503	2,576	2,542
North Carolina	5,496	6,607	13,634	15,131	2,134	2,156
Ohio	31,642	34,821	32,833	36,030	2,442	2,473
Oklahoma ²	(NA)	(D)	(NA)	3,037	(NA)	1,986
Oregon	2,149	2,007	2,342	2,200	2,652	2,532
Pennsylvania	25,651	25,649	28,266	28,268	2,511	2,572
South Carolina	3,085	2,697	4,331	4,013	2,258	2,160
South Dakota	2,572	2,599	2,627	2,654	2,505	2,739
Texas	17,722	(D)	22,529	22,304	2,306	2,320
Utah	4,631	4,436	4,683	4,488	2,524	2,660
Virginia	729	898	2,560	2,652	2,227	2,451
Washington	6,748	6,733	6,913	6,898	2,501	2,491
Wisconsin	6,115	5,828	7,208	6,954	2,497	2,629
Other States ³	23,718	26,277	33,872	32,397	2,306	2,396
United States	314,330	314,463	390,726	391,826	2,381	2,413

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

(NA) Not available.

¹ Included in Other States in 2019.

² Included in Other States in 2018.

³ Includes data for States not published in this table.

Layers on Hand and Eggs Produced – States and United States: During September 2018 and 2019

State	Table egg layers in flocks 30,000 and above		Total layers		Eggs per 100 for total layers	
	2018	2019	2018	2019	2018	2019
	(1,000 layers)	(1,000 layers)	(1,000 layers)	(1,000 layers)	(eggs)	(eggs)
Alabama	1,365	1,458	9,596	10,005	1,868	1,866
Arkansas	4,097	(D)	14,369	14,447	2,041	2,008
California	14,000	13,070	14,739	13,688	2,434	2,292
Colorado	4,363	4,499	4,883	5,012	2,539	2,544
Florida ¹	6,985	(NA)	7,448	(NA)	2,198	(NA)
Georgia	8,922	9,178	19,387	19,336	2,058	2,084
Illinois	5,638	6,014	6,197	6,598	2,430	2,458
Indiana	32,830	33,092	34,080	34,278	2,374	2,358
Iowa	56,660	55,877	58,361	57,654	2,342	2,433
Kentucky ²	(NA)	(D)	(NA)	5,586	(NA)	2,188
Maryland	2,563	2,413	2,770	2,623	2,365	2,413
Michigan	15,643	13,692	15,926	13,986	2,394	2,391
Minnesota	10,367	10,257	10,874	10,795	2,472	2,488
Mississippi	1,455	(D)	5,534	5,561	2,080	2,079
Missouri	7,829	7,387	12,678	12,463	2,374	2,457
Nebraska	7,707	8,820	7,967	9,255	2,499	2,446
New York	4,921	4,943	5,454	5,471	2,486	2,457
North Carolina	4,675	6,722	12,719	15,220	2,069	2,071
Ohio	32,082	34,906	33,272	36,111	2,384	2,382
Oklahoma ²	(NA)	(D)	(NA)	2,993	(NA)	1,955
Oregon	2,109	2,053	2,302	2,246	2,585	2,573
Pennsylvania	25,744	25,561	28,312	28,128	2,430	2,486
South Carolina	3,196	2,662	4,446	3,970	2,114	2,086
South Dakota	2,654	2,742	2,709	2,797	2,488	2,631
Texas	17,699	(D)	22,394	22,549	2,206	2,254
Utah	4,516	4,425	4,568	4,477	2,504	2,584
Virginia	778	889	2,557	2,590	2,069	2,351
Washington	6,896	6,598	7,061	6,762	2,485	2,419
Wisconsin	6,102	5,854	7,195	6,958	2,392	2,494
Other States ³	23,845	26,423	33,947	32,561	2,261	2,317
United States	315,641	317,044	391,745	394,120	2,311	2,332

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

(NA) Not available.

¹ Included in Other States in 2019.

² Included in Other States in 2018.

³ Includes data for States not published in this table.

Egg Production by Type – States and United States: August 2018 and 2019

[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	
	2018	2019	2018	2019	2018	2019
	(million eggs)	(million eggs)	(million eggs)	(million eggs)	(million eggs)	(million eggs)
Alabama	182.9	193.6	33.4	37.7	149.5	155.9
Arkansas	305.4	304.6	116.4	(D)	189.0	(D)
California	367.1	319.1	(D)	(D)	(D)	(D)
Colorado	125.8	124.7	(D)	(D)	(D)	(D)
Florida ¹	169.7	(NA)	163.9	(NA)	5.8	(NA)
Georgia	404.1	421.6	206.5	227.5	197.6	194.1
Illinois	156.8	161.3	152.9	157.4	3.9	3.9
Indiana	823.6	820.8	808.7	806.0	14.9	14.8
Iowa	1,408.5	1,434.0	1,391.0	1,415.9	17.5	18.1
Kentucky ²	(NA)	123.5	(NA)	(D)	(NA)	(D)
Maryland	63.2	64.2	61.7	62.6	1.5	1.6
Michigan	394.4	355.1	(D)	(D)	(D)	(D)
Minnesota	274.9	277.8	267.5	269.9	7.4	7.9
Mississippi	119.7	116.8	37.5	(D)	82.2	(D)
Missouri	305.3	308.8	(D)	269.7	(D)	39.1
Nebraska	204.1	235.1	199.2	226.1	4.9	9.0
New York	142.3	139.9	(D)	(D)	(D)	(D)
North Carolina	290.9	326.3	136.9	167.5	154.0	158.8
Ohio	801.8	891.2	(D)	(D)	(D)	(D)
Oklahoma ²	(NA)	60.3	(NA)	(D)	(NA)	(D)
Oregon	62.1	55.7	62.1	55.7	-	-
Pennsylvania	709.7	727.1	677.3	696.9	32.4	30.2
South Carolina	97.8	86.7	75.0	62.9	22.8	23.8
South Dakota	65.8	72.7	65.8	72.7	-	-
Texas	519.6	517.5	(D)	(D)	(D)	(D)
Utah	118.2	119.4	118.2	119.4	-	-
Virginia	57.0	65.0	25.7	35.0	31.3	30.0
Washington	172.9	171.8	(D)	(D)	(D)	(D)
Wisconsin	180.0	182.8	(D)	176.6	(D)	6.2
Other States ³	781.0	776.2	642.3	698.4	138.7	77.8
United States	9,304.6	9,453.6	8,106.1	8,253.9	1,198.5	1,199.7

- Represents zero.

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

(NA) Not available.

¹ Included in Other States in 2019.

² Included in Other States in 2018.

³ Not published separately to avoid disclosing individual operations.

Egg Production by Type – States and United States: September 2018 and 2019

[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	
	2018	2019	2018	2019	2018	2019
	(million eggs)	(million eggs)	(million eggs)	(million eggs)	(million eggs)	(million eggs)
Alabama	179.3	186.7	33.5	38.0	145.8	148.7
Arkansas	293.3	290.1	112.0	(D)	181.3	(D)
California	358.7	313.7	(D)	(D)	(D)	(D)
Colorado	124.0	127.5	(D)	(D)	(D)	(D)
Florida ¹	163.7	(NA)	158.3	(NA)	5.4	(NA)
Georgia	399.0	403.0	206.1	215.5	192.9	187.5
Illinois	150.6	162.2	146.9	158.5	3.7	3.7
Indiana	809.0	808.4	793.9	794.1	15.1	14.3
Iowa	1,367.0	1,403.0	1,348.1	1,384.4	18.9	18.6
Kentucky ²	(NA)	122.2	(NA)	(D)	(NA)	(D)
Maryland	65.5	63.3	64.1	61.6	1.4	1.7
Michigan	381.3	334.4	(D)	(D)	(D)	(D)
Minnesota	268.8	268.6	262.6	261.4	6.2	7.2
Mississippi	115.1	115.6	36.3	(D)	78.8	(D)
Missouri	301.0	306.2	(D)	269.3	(D)	36.9
Nebraska	199.1	226.4	194.6	218.8	4.5	7.6
New York	135.6	134.4	(D)	(D)	(D)	(D)
North Carolina	263.1	315.2	116.8	162.5	146.3	152.7
Ohio	793.1	860.1	(D)	(D)	(D)	(D)
Oklahoma ²	(NA)	58.5	(NA)	(D)	(NA)	(D)
Oregon	59.5	57.8	59.5	57.8	-	-
Pennsylvania	688.1	699.4	657.7	671.4	30.4	28.0
South Carolina	94.0	82.8	72.2	60.2	21.8	22.6
South Dakota	67.4	73.6	67.4	73.6	-	-
Texas	493.9	508.2	(D)	(D)	(D)	(D)
Utah	114.4	115.7	114.4	115.7	-	-
Virginia	52.9	60.9	23.4	31.9	29.5	29.0
Washington	175.5	163.6	(D)	(D)	(D)	(D)
Wisconsin	172.1	173.5	(D)	168.0	(D)	5.5
Other States ³	767.4	754.5	633.9	679.0	133.5	75.5
United States	9,052.4	9,189.5	7,898.8	8,035.2	1,153.6	1,154.3

- Represents zero.

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

(NA) Not available.

¹ Included in Other States in 2019.

² Included in Other States in 2018.

³ Not published separately to avoid disclosing individual operations.

Egg Production in Dozens by Type – States and United States: August 2018 and 2019

[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	
	2018	2019	2018	2019	2018	2019
	(1,000 dozen eggs)					
Alabama	15,241.7	16,133.3	2,783.4	3,141.6	12,458.3	12,991.7
Arkansas	25,450.0	25,383.3	9,700.0	(D)	15,750.0	(D)
California	30,591.7	26,591.7	(D)	(D)	(D)	(D)
Colorado	10,483.4	10,391.6	(D)	(D)	(D)	(D)
Florida ¹	14,141.6	(NA)	13,658.3	(NA)	483.3	(NA)
Georgia	33,675.0	35,133.3	17,208.4	18,958.3	16,466.6	16,175.0
Illinois	13,066.6	13,441.7	12,741.6	13,116.7	325.0	325.0
Indiana	68,633.3	68,400.0	67,391.6	67,166.7	1,241.7	1,233.3
Iowa	117,375.0	119,500.0	115,916.7	117,991.7	1,458.3	1,508.3
Kentucky ²	(NA)	10,291.7	(NA)	(D)	(NA)	(D)
Maryland	5,266.6	5,349.9	5,141.6	5,216.6	125.0	133.3
Michigan	32,866.7	29,591.6	(D)	(D)	(D)	(D)
Minnesota	22,908.3	23,150.0	22,291.7	22,491.7	616.6	658.3
Mississippi	9,975.0	9,733.3	3,125.0	(D)	6,850.0	(D)
Missouri	25,441.7	25,733.3	(D)	22,475.0	(D)	3,258.3
Nebraska	17,008.3	19,591.7	16,600.0	18,841.7	408.3	750.0
New York	11,858.3	11,658.3	(D)	(D)	(D)	(D)
North Carolina	24,241.7	27,191.6	11,408.4	13,958.3	12,833.3	13,233.3
Ohio	66,816.7	74,266.7	(D)	(D)	(D)	(D)
Oklahoma ²	(NA)	5,025.1	(NA)	(D)	(NA)	(D)
Oregon	5,175.0	4,641.6	5,175.0	4,641.6	-	-
Pennsylvania	59,141.6	60,591.7	56,441.6	58,075.0	2,700.0	2,516.7
South Carolina	8,150.0	7,225.0	6,250.0	5,241.7	1,900.0	1,983.3
South Dakota	5,483.4	6,058.3	5,483.4	6,058.3	-	-
Texas	43,300.0	43,125.0	(D)	(D)	(D)	(D)
Utah	9,850.0	9,950.0	9,850.0	9,950.0	-	-
Virginia	4,749.9	5,416.7	2,141.6	2,916.7	2,608.3	2,500.0
Washington	14,408.4	14,316.6	(D)	(D)	(D)	(D)
Wisconsin	15,000.0	15,233.3	(D)	14,716.7	(D)	516.6
Other States ³	65,083.5	64,683.5	53,525.2	58,200.2	11,558.3	6,483.3
United States	775,383.4	787,799.8	675,508.8	687,825.1	99,874.6	99,974.7

- Represents zero.

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

(NA) Not available.

¹ Included in Other States in 2019.

² Included in Other States in 2018.

³ Not published separately to avoid disclosing individual operations.

Egg Production in Dozens by Type – States and United States: September 2018 and 2019

[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	
	2018	2019	2018	2019	2018	2019
	(1,000 dozen eggs)					
Alabama	14,941.7	15,558.3	2,791.7	3,166.6	12,150.0	12,391.7
Arkansas	24,441.7	24,174.9	9,333.4	(D)	15,108.3	(D)
California	29,891.7	26,141.7	(D)	(D)	(D)	(D)
Colorado	10,333.3	10,625.0	(D)	(D)	(D)	(D)
Florida ¹	13,641.7	(NA)	13,191.7	(NA)	450.0	(NA)
Georgia	33,250.0	33,583.4	17,175.0	17,958.4	16,075.0	15,625.0
Illinois	12,550.0	13,516.8	12,241.6	13,208.4	308.4	308.4
Indiana	67,416.6	67,366.7	66,158.3	66,175.0	1,258.3	1,191.7
Iowa	113,916.7	116,916.7	112,341.7	115,366.7	1,575.0	1,550.0
Kentucky ²	(NA)	10,183.4	(NA)	(D)	(NA)	(D)
Maryland	5,458.4	5,275.0	5,341.7	5,133.3	116.7	141.7
Michigan	31,775.0	27,866.6	(D)	(D)	(D)	(D)
Minnesota	22,400.0	22,383.3	21,883.3	21,783.3	516.7	600.0
Mississippi	9,591.6	9,633.4	3,025.0	(D)	6,566.6	(D)
Missouri	25,083.4	25,516.7	(D)	22,441.7	(D)	3,075.0
Nebraska	16,591.6	18,866.7	16,216.6	18,233.3	375.0	633.4
New York	11,299.9	11,200.0	(D)	(D)	(D)	(D)
North Carolina	21,925.1	26,266.6	9,733.4	13,541.6	12,191.7	12,725.0
Ohio	66,091.6	71,675.0	(D)	(D)	(D)	(D)
Oklahoma ²	(NA)	4,875.0	(NA)	(D)	(NA)	(D)
Oregon	4,958.4	4,816.7	4,958.4	4,816.7	-	-
Pennsylvania	57,341.6	58,283.3	54,808.3	55,950.0	2,533.3	2,333.3
South Carolina	7,833.3	6,899.9	6,016.6	5,016.6	1,816.7	1,883.3
South Dakota	5,616.7	6,133.4	5,616.7	6,133.4	-	-
Texas	41,158.3	42,350.0	(D)	(D)	(D)	(D)
Utah	9,533.3	9,641.6	9,533.3	9,641.6	-	-
Virginia	4,408.4	5,074.9	1,950.0	2,658.3	2,458.4	2,416.6
Washington	14,625.0	13,633.3	(D)	(D)	(D)	(D)
Wisconsin	14,341.6	14,458.3	(D)	14,000.0	(D)	458.3
Other States ³	63,950.1	62,875.0	52,825.2	56,583.4	11,124.9	6,291.6
United States	754,366.7	765,791.6	658,233.4	669,599.8	96,133.3	96,191.8

- Represents zero.

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

(NA) Not available.

¹ Included in Other States in 2019.

² Included in Other States in 2018.

³ Not published separately to avoid disclosing individual operations.

Molted as Percent of Total Layers on the First of the Month – United States: 2018-2019

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

Month	Being molted		Molt completed	
	2018	2019	2018	2019
	(percent)	(percent)	(percent)	(percent)
January	1.8	1.5	16.4	13.3
February	2.9	2.6	16.0	13.0
March	1.8	1.5	16.0	13.8
April	1.7	1.3	15.4	13.8
May	3.1	2.5	14.4	13.2
June	3.0	2.1	14.7	13.4
July	2.2	2.0	15.0	13.5
August	2.2	2.0	14.6	13.4
September	2.7	2.0	14.6	13.2
October	2.3	1.9	15.2	13.3
November	1.6		14.9	
December	1.1		14.6	

Molted as Percent of Total Layers – States and United States: September 1 and October 1, 2018-2019

State	Being molted				Molt completed			
	September 1		October 1		September 1		October 1	
	2018	2019	2018	2019	2018	2019	2018	2019
	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)
Alabama	1.0	1.0	0.5	1.0	6.0	6.0	6.0	7.0
Arkansas	-	1.0	3.0	1.0	8.0	10.5	7.5	11.0
California	2.5	1.0	1.5	3.0	11.5	10.5	11.5	8.5
Colorado	-	1.0	1.0	2.0	8.5	7.5	5.5	7.5
Florida ¹	7.0	(NA)	7.0	(NA)	29.5	(NA)	35.5	(NA)
Georgia	1.5	1.5	3.0	4.0	10.5	9.5	10.5	9.0
Illinois	5.0	1.0	-	-	12.0	9.5	16.0	9.5
Indiana	4.0	2.0	1.5	2.0	14.0	19.0	17.0	19.0
Iowa	2.5	3.5	2.5	2.5	21.5	16.0	20.5	16.0
Kentucky ²	(NA)	0.5	(NA)	2.0	(NA)	4.0	(NA)	1.5
Maryland	-	-	-	-	-	-	-	-
Michigan	1.5	0.5	1.5	1.5	3.5	4.0	4.0	4.0
Minnesota	2.0	1.0	-	1.0	10.0	3.5	9.0	2.5
Mississippi	1.5	1.5	2.0	2.0	17.5	21.0	18.0	20.5
Missouri	3.5	0.5	1.5	-	5.0	6.5	7.5	5.5
Nebraska	3.5	3.0	3.5	5.0	10.0	6.5	9.5	6.5
New York	-	3.5	1.0	-	4.0	7.5	4.0	6.5
North Carolina	0.5	1.5	1.0	-	8.0	3.5	8.0	4.5
Ohio	4.0	2.5	4.5	2.0	26.5	13.0	24.0	15.0
Oklahoma ²	(NA)	0.5	(NA)	0.5	(NA)	22.5	(NA)	22.5
Oregon	-	-	-	-	7.0	-	7.0	-
Pennsylvania	-	0.5	0.5	-	3.0	2.5	3.0	2.5
South Carolina	2.5	3.5	4.5	2.5	13.5	21.0	14.5	22.0
South Dakota	3.5	0.5	-	-	10.5	3.5	13.0	3.0
Texas	8.0	3.5	4.0	2.5	32.5	39.0	36.5	40.0
Utah	7.5	2.5	3.5	6.5	22.0	21.5	30.0	20.0
Virginia	-	-	-	-	9.5	-	9.0	-
Washington	1.0	4.5	1.0	4.5	13.0	13.5	13.0	11.0
Wisconsin	-	-	5.5	-	12.0	8.5	12.0	7.5
Other States ³	3.1	3.1	2.1	2.0	14.0	21.0	15.9	21.7
United States	2.7	2.0	2.3	1.9	14.6	13.2	15.2	13.3

- Represents zero.

(NA) Not available.

¹ Included in Other States in 2019.

² Included in Other States in 2018.

³ Includes data for States not published in this table.

Hatchery Production – United States: 2018 and 2019

Item	2018	2019	2019 as percent of 2018
	(1,000)	(1,000)	(percent)
Egg-type			
Eggs in incubators on October 1	51,647	48,294	94
Chicks hatched during September	49,610	50,132	101
Chicks hatched January through September	485,579	484,698	100
Pullets hatched during September for intended placements:			
Hatchery supply flocks	150	286	191
Cumulative potential placements 7-18 months earlier ¹	2,836	2,524	89
Broiler-type			
Eggs in incubators on October 1	648,499	673,529	104
Chicks hatched during September	787,754	813,691	103
Chicks hatched January through September	7,323,457	7,435,942	102
Pullets hatched during September for intended placements:			
Hatchery supply flocks	8,277	8,615	104
Cumulative potential placements 7-15 months earlier ²	69,575	71,895	103

¹ 2019 includes pullet chicks hatched March 2018 through February 2019.

² 2019 includes pullet chicks hatched June 2018 through February 2019.

Egg-Type Eggs in Incubators on the First of the Month – United States: 2018 and 2019

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

Item	2018	2019	2019 as percent of 2018
	(1,000)	(1,000)	(percent)
January	46,738	51,432	110
February	51,140	55,001	108
March	56,234	53,586	95
April	56,069	58,422	104
May	56,063	55,489	99
June	50,184	51,648	103
July	46,193	47,615	103
August	46,268	47,490	103
September	50,036	47,878	96
October	51,647	48,294	94
November	45,096		
December	50,469		

Egg-Type Chicks Hatched by Month – United States: 2018-2019

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

Month	By months			Cumulative		
	2018	2019	2019 as percent of 2018	2018	2019	2019 as percent of 2018
	(1,000 chicks)	(1,000 chicks)	(percent)	(1,000 chicks)	(1,000 chicks)	(percent)
January	51,900	56,219	108	51,900	56,219	108
February	50,148	52,182	104	102,048	108,401	106
March	58,147	55,658	96	160,195	164,059	102
April	58,986	60,668	103	219,181	224,727	103
May	59,756	60,816	102	278,937	285,543	102
June	53,019	51,858	98	331,956	337,401	102
July	50,806	50,919	100	382,762	388,320	101
August	53,207	46,246	87	435,969	434,566	100
September	49,610	50,132	101	485,579	484,698	100
October	54,960			540,539		
November	47,043			587,582		
December	46,370			633,952		

Intended Placements of Egg-Type Pullet Chicks for Hatchery Supply Flocks by Month – United States: 2018-2020

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

Month	Pullet chicks hatched		2019 as percent of 2018	Cumulative potential placements relative to current supply flocks 7-18 months earlier ¹	
	2018	2019		2019	2020
	(1,000 chicks)	(1,000 chicks)	(percent)	(1,000 chicks)	(1,000 chicks)
January	251	268	107	2,446	2,791
February	148	201	136	2,402	2,887
March	195	189	97	2,468	2,818
April	205	295	144	2,446	2,954
May	185	215	116	2,468	
June	178	270	152	2,509	
July	159	255	160	2,515	
August	263	194	74	2,476	
September	150	286	191	2,524	
October	271			2,579	
November	242			2,669	
December	268			2,699	
Total	2,515				

¹ For September 2019, includes breeder pullet chicks hatched March 2018 through February 2019. 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: 2018 and 2019

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

Item	2018	2019	2019 as percent of 2018
	(1,000)	(1,000)	(percent)
January	680,865	683,669	100
February	674,818	687,593	102
March	683,932	693,433	101
April	683,441	695,057	102
May	691,648	701,875	101
June	696,163	704,340	101
July	689,500	693,367	101
August	687,888	699,363	102
September	672,199	693,656	103
October	648,499	673,529	104
November	647,856		
December	692,140		

Broiler-Type Chicks Hatched – States and United States: September 2018 and 2019

State	During September			January-September		
	2018	2019	2019 as percent of 2018	2018	2019	2019 as percent of 2018
	(1,000 chicks)	(1,000 chicks)	(percent)	(1,000 chicks)	(1,000 chicks)	(percent)
Alabama	107,515	115,563	107	973,286	996,484	102
Arkansas	84,350	84,394	100	784,572	793,250	101
Delaware	17,064	18,539	109	165,571	168,371	102
Florida	3,096	3,976	128	36,926	38,078	103
Georgia	119,097	123,956	104	1,121,173	1,117,959	100
Kentucky	26,310	26,671	101	245,163	244,802	100
Louisiana	12,953	12,973	100	115,229	118,646	103
Maryland	29,323	27,219	93	263,509	258,983	98
Mississippi	63,939	63,944	100	602,696	609,170	101
Missouri	30,418	31,437	103	269,877	275,531	102
North Carolina	76,393	82,811	108	720,698	760,617	106
Oklahoma	26,507	26,773	101	241,806	242,576	100
Pennsylvania	18,925	18,954	100	179,204	173,748	97
South Carolina	20,192	20,112	100	182,359	182,667	100
Texas	54,986	60,104	109	519,556	553,827	107
Virginia	22,519	22,233	99	206,476	206,215	100
California, Tennessee, and West Virginia	40,958	38,989	95	395,499	383,119	97
Other States ¹	33,209	35,043	106	299,857	311,899	104
United States	787,754	813,691	103	7,323,457	7,435,942	102

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

Broiler-Type Chicks Hatched by Month – United States: 2018-2019

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

Month	By months			Cumulative		
	2018	2019	2019 as percent of 2018	2018	2019	2019 as percent of 2018
	(1,000 chicks)	(1,000 chicks)	(percent)	(1,000 chicks)	(1,000 chicks)	(percent)
January	823,159	828,596	101	823,159	828,596	101
February	735,151	749,845	102	1,558,310	1,578,441	101
March	828,209	836,472	101	2,386,519	2,414,913	101
April	803,046	817,559	102	3,189,565	3,232,472	101
May	839,138	855,746	102	4,028,703	4,088,218	101
June	822,100	832,018	101	4,850,803	4,920,236	101
July	844,737	848,560	100	5,695,540	5,768,796	101
August	840,163	853,455	102	6,535,703	6,622,251	101
September	787,754	813,691	103	7,323,457	7,435,942	102
October	790,516			8,113,973		
November	767,008			8,880,981		
December	826,760			9,707,741		

Intended Placements of Broiler-Type Pullet Chicks for Hatchery Supply Flocks by Month and Total: 2018-2020

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

Month	Pullet chicks hatched		2019 as percent of 2018	Cumulative potential placements relative to current supply flocks 7-15 months earlier ¹	
	2018 (1,000 chicks)	2019 (1,000 chicks)		2019 (1,000 chicks)	2020 (1,000 chicks)
United States placements					
January	7,133	7,478	105	70,216	72,170
February	7,579	7,882	104	70,100	73,411
March	8,088	8,222	102	70,500	73,604
April	7,688	7,339	95	71,182	73,624
May	8,282	8,767	106	71,318	
June	8,319	8,717	105	71,640	
July	7,473	8,510	114	72,147	
August	8,343	8,094	97	72,314	
September	8,277	8,615	104	71,895	
October	7,269			71,440	
November	7,901			71,306	
December	8,595			71,730	
Annual total	94,947				
Total placements ²					
January	8,817	8,957	102		
February	9,458	9,525	101		
March	9,782	10,161	104		
April	9,334	9,146	98		
May	10,178	10,797	106		
June	10,140	10,606	105		
July	8,843	10,444	118		
August	10,102	9,763	97		
September	9,886	10,468	106		
October	8,971				
November	9,720				
December	10,470				
Annual total	115,701				

¹ For September 2019, includes breeder pullet chicks hatched June 2018 through February 2019.

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 total layers over the past 24 months is 1.3 percent. This means that chances are 2 out of 3 that the final estimate will not be above or below the current estimate of 394 million layers by more than 1.3 percent. Chances are 9 out of 10 that the difference will not exceed 2.3 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
Total layers	(percent) 1.3	(percent) 2.3	(1,000) 4,167	(1,000) -	(1,000) 8,430	(number) 21	(number) 2
Eggs	1.4	2.3	(million) 100	(million) -	(million) 206	20	3

- Represents zero.

Terms and Definitions of Chickens and Eggs Estimates

Total 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

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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
Adam Peters – Broiler Hatchery, Chicken Hatchery	(202) 690-3237
Kim Linonis – Layers, Eggs	(202) 690-3676
Fatema Haque – Turkey Hatchery, Turkeys Raised	(202) 720-3244
Adam Peters – Honey, Honey Bee Colonies	(202) 690-3237

Access to NASS Reports

For your convenience, you may access NASS reports and products the following ways:

- All reports are available electronically, at no cost, on the NASS web site: www.nass.usda.gov
- 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 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.
- Cornell’s Mann Library has launched a new website housing NASS’s and other agency’s archived reports. The new website, <https://usda.library.cornell.edu>. All email subscriptions containing reports will be sent from the new website, <https://usda.library.cornell.edu>. To continue receiving the reports via e-mail, you will have to go to the new website, create a new account and re-subscribe to the reports. If you need instructions to set up an account or subscribe, they are located at: <https://usda.library.cornell.edu/help>. You should whitelist notifications@usda-esmis.library.cornell.edu in your email client to avoid the emails going into spam/junk folders.

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@usda.gov.

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