U.S. Flock Trends and Projections

June 8, 2016



Compiled by
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Sponsored in part by:



American Egg Board

The Egg Industry Center Market Reports & Industry Analysis are compiled in the memory of their creator, Don D. Bell, Poultry Extension Specialist Emeritus - UC Davis.

U.S. EGG INDUSTRY STATISTICAL REPORT SUMMARY

* The April hatch (straight-run chicks) was 1.6% lower than in 2015. This projects forward to a 22.3 million pullet placement for September of 2016 which is 0.8 million larger than September of 2015 placement (21.5).

* Current (April average, 2016) U.S. table egg layer number (302.4 million) is 1.2 million smaller than last year's number at this time (303.6 million), and down 0.1 million compared to last month (302.5 million).

* In April, Iowa led the nation with 47.9 million laying hens compared to 31.5 million in Ohio, 29.3 million in Indiana, and 25.5 million in Pennsylvania. California (with 11.9 million layers) lost it's 5th position to Texas with 16.4 million layers.

* The April U.S. rate of lay was estimated to be 78.2% which is 0.8% lower than April 2015 level. The total number of table eggs produced in April 2016 was 1.4% lower than the April 2015 production.

* The April 2016 number of eggs exported was 40% lower than last year (April 2015) and 19% lower than last month (March 2016). The April exports represented 2.9% of the number of eggs produced.

* Shell eggs broken for products in April 2016 totaled 6.255 million cases, 3.2% more than in April 2015 (6.061 million cases).

* The egg-type hatchery supply flock is projected to be 11% higher in Jan-Oct 2016 than in Jan-Oct 2015 (table 16).

Monthly Highlights (Compared to April a year ago) (% change) - U.S.

	2014	2015	% Change
Hatch - Egg-Type Straight Run (thousands) (U.S.)	50,193	49,400	-1.6
Table Egg Layers (millions) (U.S.)	303.6	302.4	-0.4
Rate of lay (percent)	79.0	78.2	-0.8
Molting (May 1, 2016) (percent in + out of a molt)	20.5	21.4	4.4

Year-end layers (millions) - U.S.

Year	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Million	290.6	284.7	285.6	285.2	286.8	290.1	298.6	308.2	311.3	291.1	322.3*

* estimated value

SPECIAL NOTE:

In April the U.S. produced 3.4 million less eggs per day than in April 2015. However, the U.S. exported 4.5 million less eggs per day and imported 4.4 million more eggs per day than in April 2015. The result of these three forces is an increase of 5.5 million eggs per day with respect to April 2015. The inventory at the beginning of April was 7% larger than the previous year.

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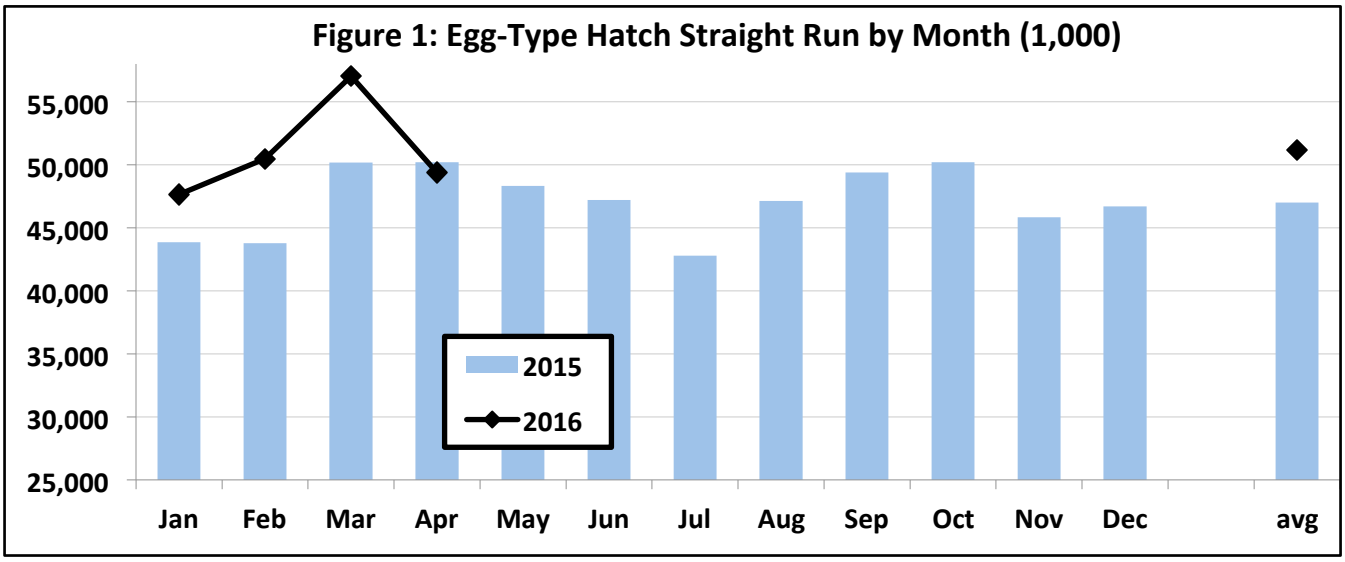
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EGG TYPE: EGGS IN INCUBATORS (on the 1st of the month) and STRAIGHT RUN HATCH (U.S.) **TABLE 1**

EGG-TYPE Eggs in Incubators (thousands)				EGG-TYPE Straight Run Hatch (thousands)			
month	2015	2016	Change (%)	month	2015	2016	Change %
Jan	42,237	47,981	13.6	Jan	43,868	47,645	8.6
Feb	40,709	47,942	17.8	Feb	43,774	50,481	15.3
Mar	45,902	50,402	9.8	Mar	50,187	57,037	13.6
Apr	49,341	50,861	3.1	Apr	50,193	49,400	-1.6
May	48,583	52,532	8.1	May	48,315		
Jun	47,971			Jun	47,212		
Jul	43,647			Jul	42,790		
Aug	44,480			Aug	47,131		
Sep	46,521			Sep	49,391		
Oct	49,648			Oct	50,194		
Nov	47,072			Nov	45,848		
Dec	48,194			Dec	46,695		
5 Month Avg.	45,354	49,944	10.1	**4 Month Avg.**	47,006	51,141	8.8
5 Month Total	226,772	249,718		**4 Month Total**	188,022	204,563	
12 Month Total	554,305			**12 Month Total**	565,598		

Source: USDA NASS Chickens and Eggs



AVERAGE U.S. LAYERS AND TABLE EGG LAYERS 2014/2015 (MILLIONS) **TABLE 2**

	All Layers			Table Egg Layers			
month	2015	2016	Change (%)	2014	2015	2016	Change (%)
Jan	366.7	351.3	-4.2	307.2	309.5	293.1	-5.3
Feb	365.4	357.1	-2.3	306.7	308.1	298.6	-3.1
Mar	366.0	361.2	-1.3	307.7	308.1	302.5	-1.8
Apr	362.0	361.1	-0.2	308.3	303.6	302.4	-0.4
May	345.3			307.6	286.8		
Jun	332.6			307.0	274.2		
Jul	333.3			308.2	275.1		
Aug	334.5			309.6	276.6		
Sep	336.6			310.4	278.9		
Oct	339.4			310.7	281.7		
Nov	343.5			312.7	285.5		
Dec	347.8			313.0	289.7		
4 Month Avg.	365.0	357.7	-2.0	307.5	307.3	299.1	-2.7
Annual Avg.	347.8			309.1	289.8		

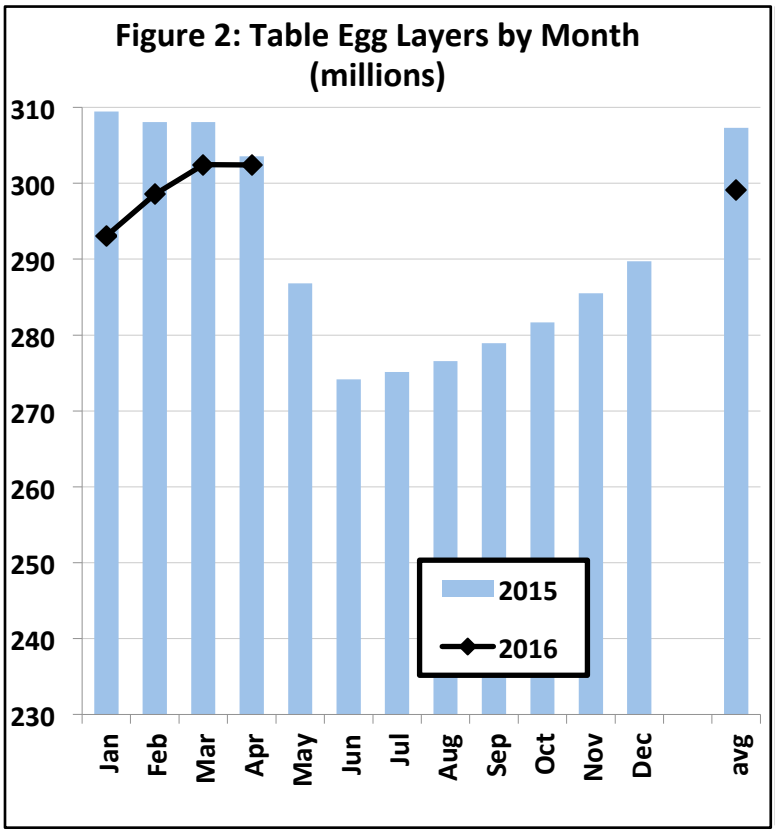
Source: USDA NASS Chickens and Eggs

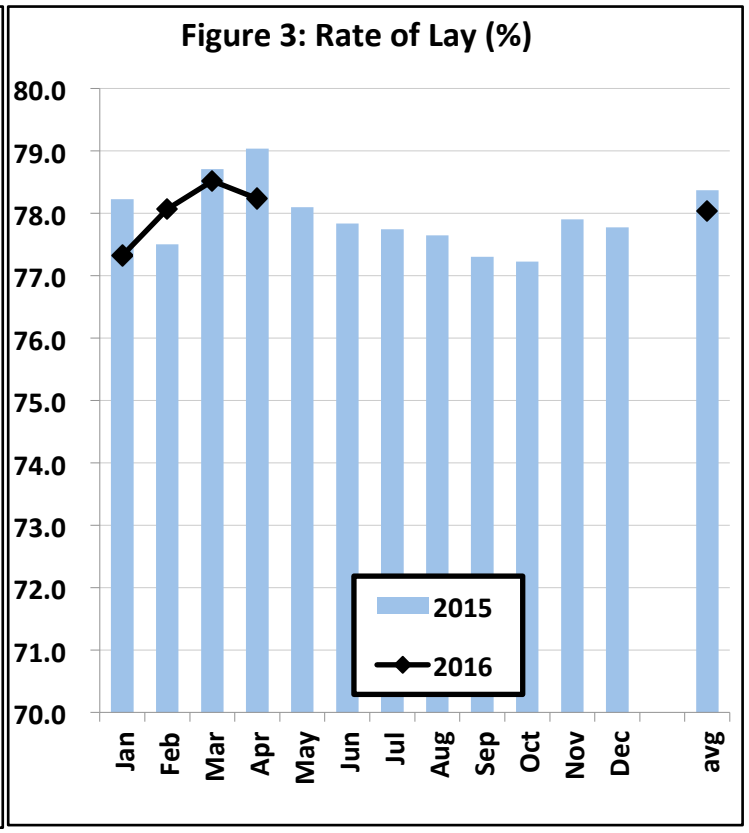
Table egg layers as a % of all layers to date (2015): 83.6%

U.S. ALL EGGS, TABLE EGGS AND RATE OF LAY (ALL STATES) **TABLE 3**

	All Eggs (millions)			Table Eggs - human consumption (millions)			Rate of Lay (Table)	
month	**2015**	**2016**	**Change (%)**	**2015**	**2016**	**Change (%)**	**2015**	**2016**
Jan	8,613	8,161	-5.2	7,504	7,024	-6.4	78.2	77.3
Feb	7,688	7,825	1.8	6,685	6,759	1.1	77.5	78.1
Mar	8,635	8,502	-1.5	7,517	7,363	-2.0	78.7	78.5
Apr	8,294	8,208	-1.0	7,198	7,096	-1.4	79.0	78.2
May	8,083			6,942			78.1	
Jun	7,512			6,402			77.8	
Jul	7,778			6,630			77.7	
Aug	7,802			6,656			77.6	
Sep	7,565			6,467			77.3	
Oct	7,874			6,744			77.2	
Nov	7,764			6,673			77.9	
Dec	8,119			6,986			77.8	
4 Month Avg.	8,308	8,174	-1.6	7,226	7,061	-2.3	78.4	78.0
Annual Avg.	7,977			6,867			77.9	
Total	95,727	32,696		82,404	28,242			

Source: USDA NASS Chickens and Eggs



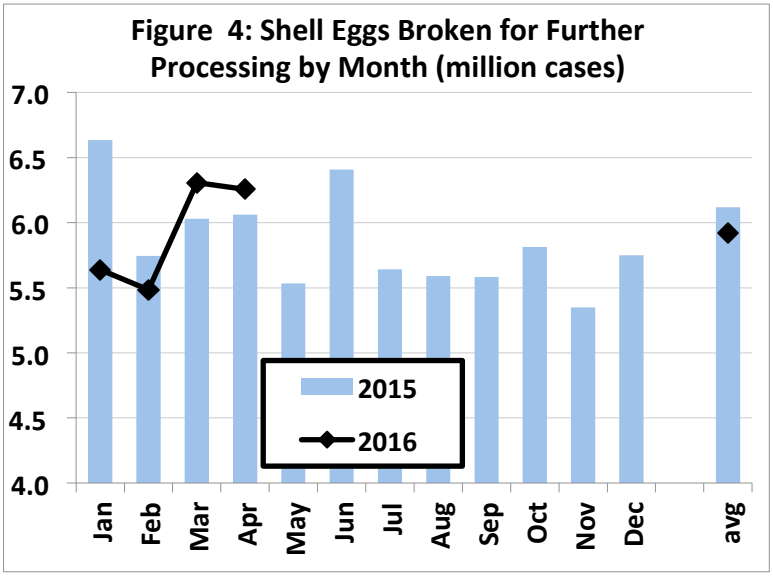


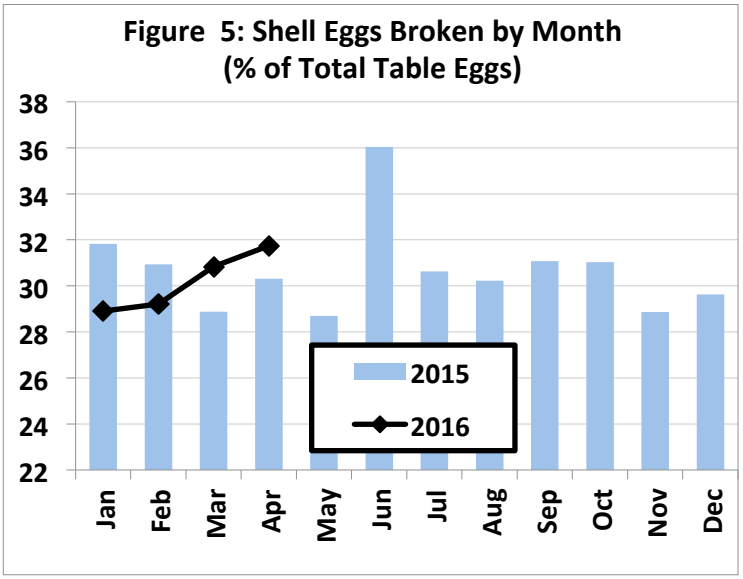
SHELL EGGS BROKEN UNDER FEDERAL INSPECTION (MILLION CASES) **TABLE 4**

month	2010	2011	2012	2013	2014	2015	2016	16/15 (%) Change
Jan	5.268	5.668	5.666	5.765	5.865	6.634	5.639	-15.0
Feb	5.013	5.163	5.524	5.374	5.325	5.746	5.484	-4.5
Mar	5.504	6.008	5.715	5.831	6.086	6.030	6.308	4.6
Apr	5.714	5.464	5.634	5.950	6.205	6.061	6.255	3.2
May	5.727	5.838	6.057	5.820	6.514	5.533		
Jun	6.206	6.167	5.955	6.118	6.532	6.408		
Jul	5.977	5.988	5.748	6.266	6.618	5.641		
Aug	5.884	6.061	6.523	6.200	6.596	5.589		
Sep	6.582	5.869	6.005	6.040	6.566	5.583		
Oct	5.842	5.805	6.109	6.289	6.731	5.814		
Nov	5.445	5.786	5.577	5.738	6.086	5.350		
Dec	5.891	5.615	5.964	5.745	6.281	5.749		
4 Month Avg.	5.375	5.576	5.635	5.730	5.871	6.118	5.922	-3.2
4 Month Total	21.499	22.303	22.538	22.920	23.482	24.471	23.686	
12 Month Total	69.054	69.431	70.477	71.136	75.405	70.138		

Source: USDA NASS Egg products - monthly

Million Cases Produced	221.728	228.286	236.092	245.472	228.900	78.450
% BROKEN	31.3	30.9	30.1	30.7	30.6	30.2





PER CAPITA EGG CONSUMPTION BY QUARTER **TABLE 5**

QUARTER	2009	2010	2011	2012	2013	2014	2015	2016*
1	62.0	61.8	61.3	63.2	64.3	65.5	65.0	66.2
2	61.5	61.9	61.5	62.2	63.4	66.2	62.3	65.3
3	61.4	62.5	62.8	63.3	64.7	67.2	61.1	65.1
4	62.9	63.1	64.3	65.6	66.2	67.7	64.5	66.9
Total	247.7	249.3	249.9	254.3	258.6	266.6	252.9	263.6

Change from previous year (eggs)	1.6	0.6	4.4	4.3	8.0	-13.7	10.7

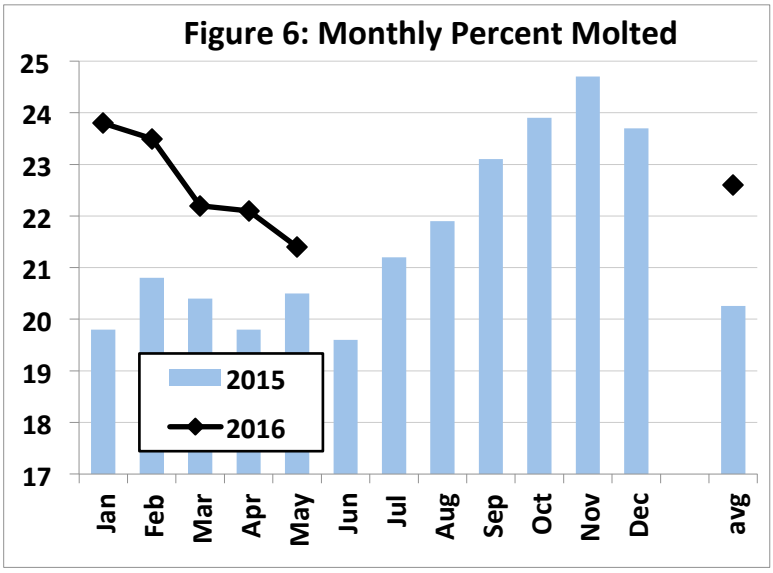
Source: USDA ERS Livestock and Meat Trade Data.

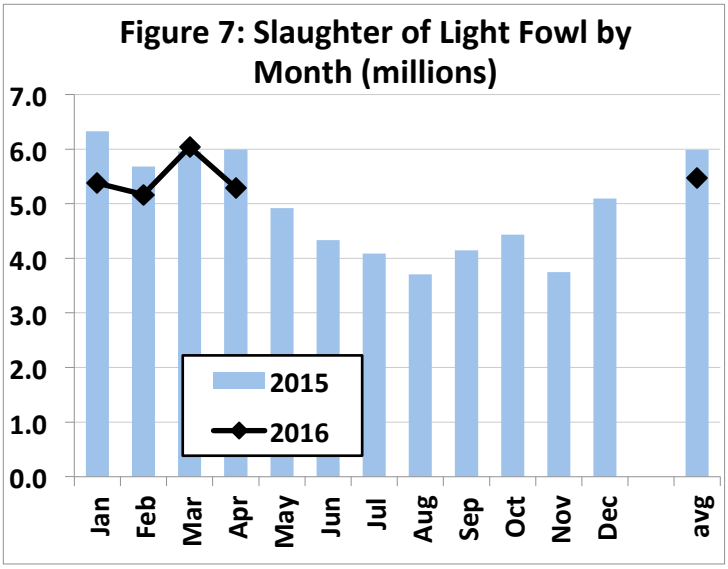
*** Estimates for 2016 (5/2016)**

INDUCED MOLT PERCENT - U.S. TOTALS (1ST OF MONTH) **TABLE 6**

month	In a Molt 2015	In a Molt 2016	In a Molt Change	Completed a Molt 2015	Completed a Molt 2016	Total 2015	Total 2016	Total Change
Jan	2.1	2.5	0.4	17.7	21.3	19.8	23.8	4.0
Feb	3.3	2.9	-0.4	17.5	20.6	20.8	23.5	2.7
Mar	1.9	1.5	-0.4	18.5	20.7	20.4	22.2	1.8
Apr	2.1	2.9	0.8	17.7	19.2	19.8	22.1	2.3
May	3.1	2.7	-0.4	17.4	18.7	20.5	21.4	0.9
Jun	2.4			17.2		19.6		
Jul	3.0			18.2		21.2		
Aug	2.7			19.2		21.9		
Sep	3.4			19.7		23.1		
Oct	3.4			20.5		23.9		
Nov	3.4			21.3		24.7		
Dec	1.8			21.9		23.7		
5 Month Avg.	2.5	2.5	0.0	17.8	20.1	20.3	22.6	2.3
12 Month Avg.	2.7			18.9		21.6		

Source: USDA NASS Chickens and Eggs





SLAUGHTER OF LIGHT FOWL (MILLIONS) **TABLE 7**

month	2010	2011	2012	2013	2014	2015	2016	6 YR (09-14) Month Avg.
Jan	5.80	5.90	6.98	7.63	7.01	6.33	5.38	6.61
Feb	5.22	5.59	5.57	6.20	5.86	5.68	5.17	5.68
Mar	6.50	6.56	7.15	6.49	6.15	5.96	6.04	6.47
Apr	6.59	5.99	7.95	8.31	6.63	5.99	5.30	6.91
May	5.78	6.42	7.91	7.21	7.06	4.92		6.55
Jun	5.88	5.30	6.25	5.40	6.07	4.33		5.54
Jul	5.42	5.00	4.45	5.60	5.32	4.09		4.98
Aug	5.64	5.85	6.00	6.81	6.13	3.71		5.69
Sep	6.12	5.68	5.39	5.50	5.80	4.14		5.44
Oct	5.01	5.56	5.60	5.73	5.57	4.44		5.32
Nov	4.07	4.92	5.12	3.59	3.75	3.75		4.20
Dec	5.63	5.60	6.89	6.45	6.47	5.10		6.02
4 Month Avg.	6.03	6.01	6.91	7.16	6.41	5.99	5.47	6.42
4 Month Total	24.11	24.03	27.64	28.63	25.64	23.95	21.88	25.67
12 Month Total	67.66	68.37	75.25	74.92	71.80	58.42		69.40

Source: USDA NASS Poultry Slaughter

Egg Industry Center

EXPORT OF TABLE EGGS IN THE SHELL IN 2016 (Thousand cases- 30 doz) **TABLE 8**

Month \ To	North America	Central America	Caribbean	European Union-28	East Asia	Southeast Asia	Middle East	Total 2016	Total 2015	% of U.S. Production
Jan	97.2	0.9	64.7	0.0	90.3	0.0	7.1	272.3	468.2	1.40
Feb	131.6	4.8	79.1	0.2	68.2	0.2	1.8	298.0	491.3	1.59
Mar	185.6	1.9	89.1	0.1	116.8	0.0	2.4	409.7	525.8	2.00
Apr	130.3	4.6	96.5	0.2	89.5	0.0	1.8	335.2	540.0	1.70
May									352.5	
Jun									322.4	
Jul									321.8	
Aug									421.7	
Sep									305.7	
Oct									328.1	
Nov									279.3	
Dec									262.2	
4 Mo. Total	544.7	12.2	329.4	0.5	364.9	0.2	13.1	1,315.2	2,025.2	1.67
%	41.4	0.9	25.0	0.0	27.7	0.0	1.0			

Source: USDA Foreign Agric. Service from U.S. Dept. of Commerce, U.S. Census Bureau, Foreign Trade Stats

EXPORT OF EGG PRODUCTS IN 2016 (EQUIVALENT: thousand cases- 30 doz) **TABLE 9**

Month \ To	North America	Central America	Caribbean	European Union-28	East Asia	Southeast Asia	Middle East	Total 2016	Total 2015	% of U.S. Production
Jan	77.1	7.6	4.8	21.3	43.0	13.3	2.4	169.9	517.3	0.87
Feb	60.6	9.7	5.8	16.4	64.1	4.1	1.1	162.8	436.1	0.87
Mar	104.2	16.9	12.0	6.0	133.0	10.5	4.2	291.3	463.9	1.42
Apr	104.7	5.0	8.7	16.8	77.5	10.5	5.6	233.8	402.1	1.19
May									385.0	
Jun									194.7	
Jul									194.3	
Aug									254.1	
Sep									297.5	
Oct									211.7	
Nov									157.0	
Dec									324.1	
4 Mo. Total	346.6	39.3	31.2	60.4	317.6	38.5	13.3	857.7	1,819.4	1.09
%	40.4	4.6	3.6	7.0	37.0	4.5	1.6			

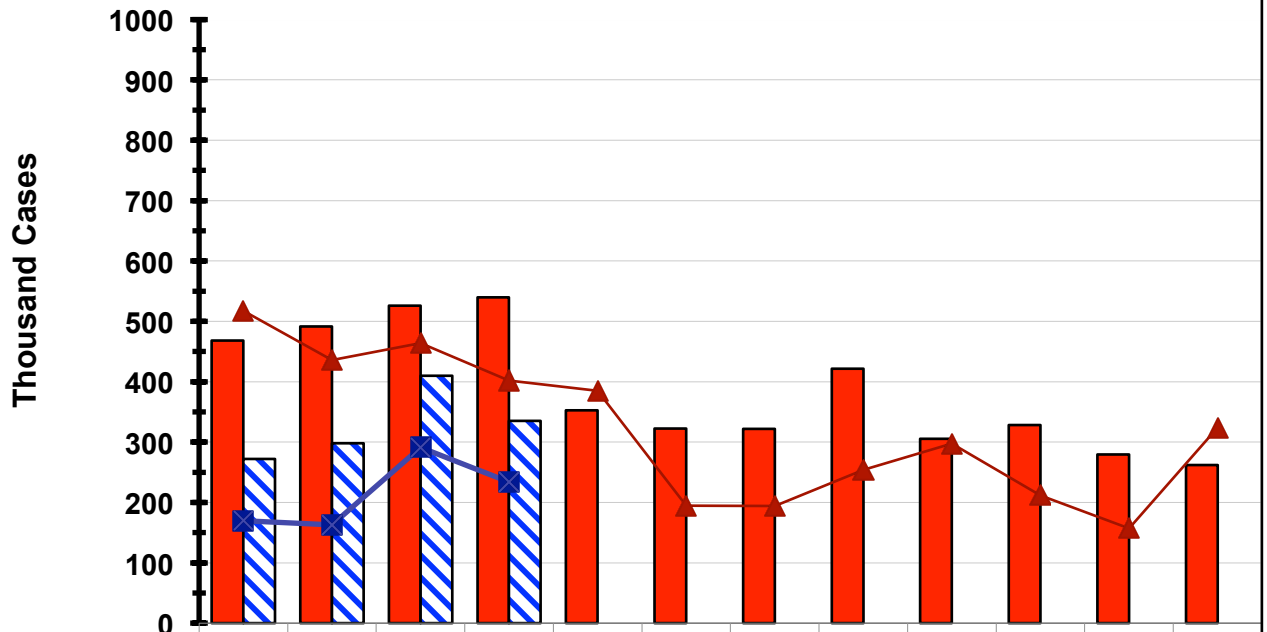
Converted from metric tonnes at a rate of one metric tonne equals approximately 52.4 thirty dozen cases.

Source: USDA Economic Research Service from U.S. Dept. of Commerce, U.S. Census Bureau, Foreign Trade Stats.

TOTAL EGGS EXPORTED - 2016 **TABLE 10**

	Table Eggs Produced	Table Eggs Exported		Egg Products Exported		Total Exported	
	(000) Cases	Cases	% of U.S.	Cases	% of U.S.	Cases	% of U.S.
Jan	19,511	272.3	1.40	169.9	0.87	442.1	2.27
Feb	18,775	298.0	1.59	162.8	0.87	460.8	2.45
Mar	20,453	409.7	2.00	291.3	1.42	700.9	3.43
Apr	19,711	335.2	1.70	233.8	1.19	569.0	2.89
May							
Jun							
Jul							
Aug							
Sep							
Oct							
Nov							
Dec							
Total/Av	78,450	1,315.2	1.68	857.7	1.09	2,172.9	2.77

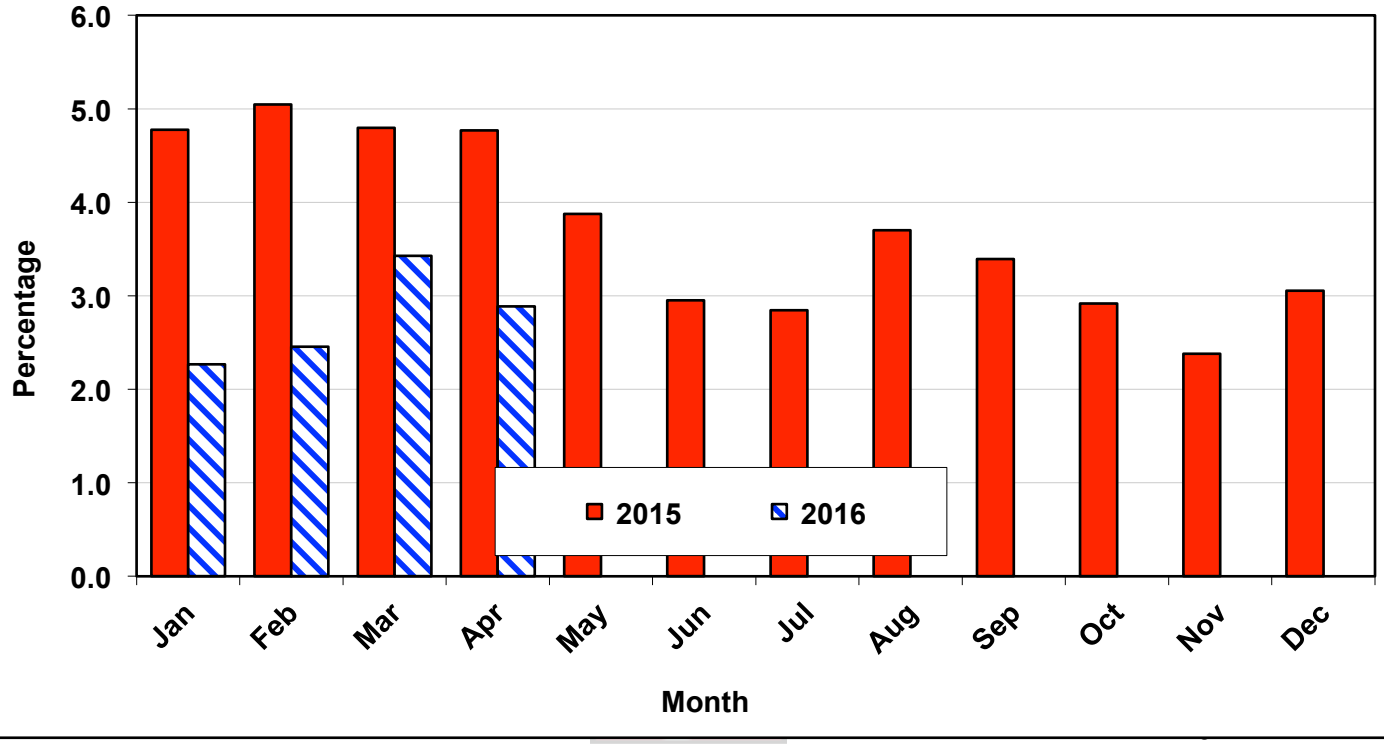
Figure 8: U.S. Egg Exports by Month - 2015 and 2016



	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Shell eggs '15	468.2	491.3	525.8	540.0	352.5	322.4	321.8	421.7	305.7	328.1	279.3	262.2
Shell eggs '16	272.3	298.0	409.7	335.2								
Egg products '15	517.3	436.1	463.9	402.1	385.0	194.7	194.3	254.1	297.5	211.7	157.0	324.1
Egg Products '16	169.9	162.8	291.3	233.8								

Note: Information has been converted from metric tonnes at a rate of 42 lbs. per case of liquid egg (edible + inedibles).

Figure 9: Exported Eggs by Month - 2015 and 2016 (percentage of eggs produced)



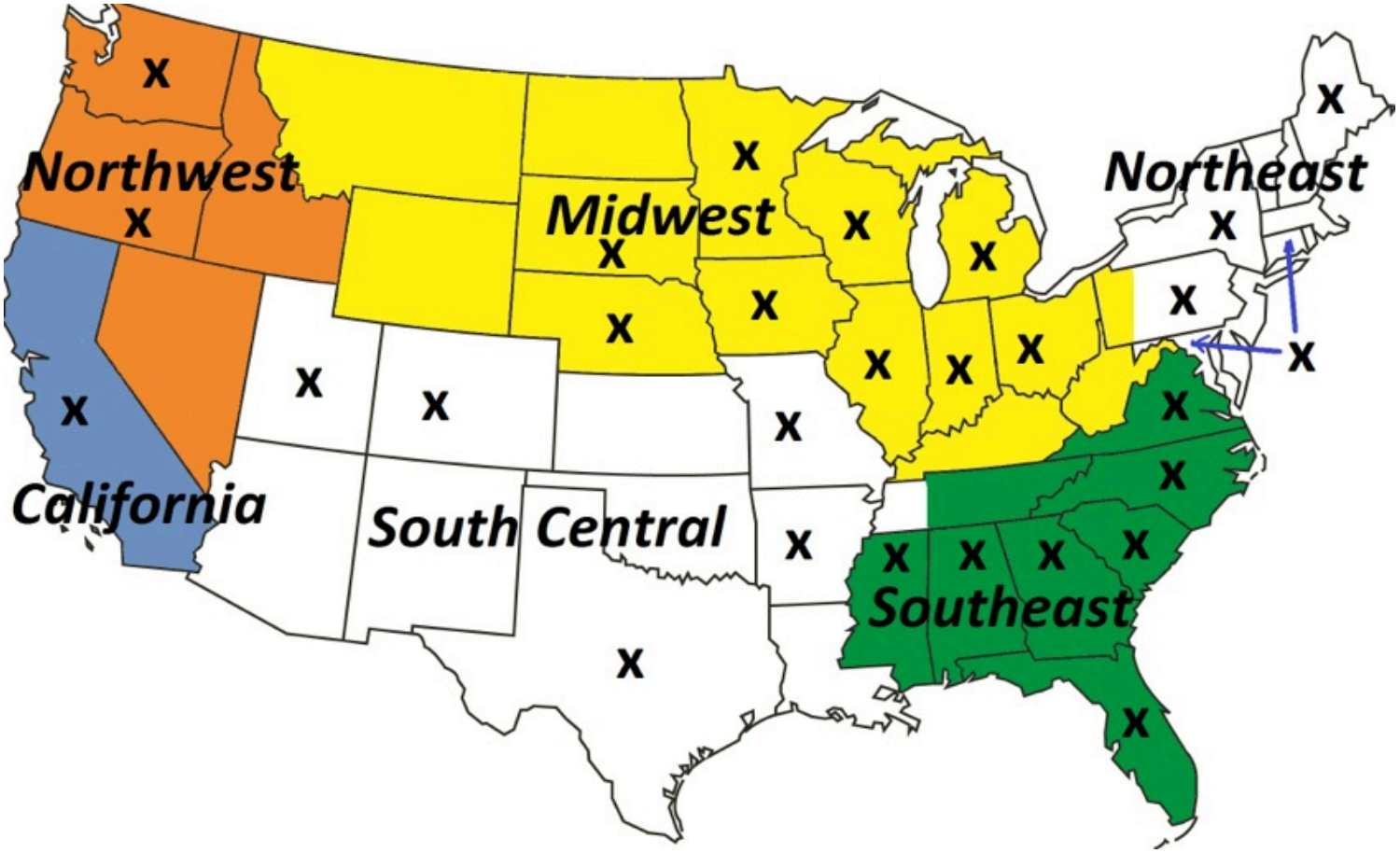
ALL EGGS PRODUCED, INCLUDING HATCHING EGGS, BY REGION (Million) - 2016 **TABLE 11**

month	Northeast	Southeast	South Central	Midwest	Northwest	California	U.S. Total
Jan	864	1,506	1,210	3,584	227	297	8,161
Feb	841	1,408	1,210	3,457	224	276	7,825
Mar	934	1,486	1,210	3,736	247	297	8,502
Apr	903	1,407	1,210	3,703	226	291	8,208
May							
Jun							
Jul							
Aug							
Sep							
Oct							
Nov							
Dec							
4 Month Avg.	885	1,451	1,210	3,620	231	290	8,174
% of total	10.8	17.8	14.8	44.3	2.8	3.6	

Source: USDA NASS Chickens and Eggs Note: All States are not represented (see map below)

Note: Year 2015 average for the following States were added: KY, LA, MA, MT, OK, TN, VT and WV

Map of U.S. Regions, as defined by Urner Barry, and the location of information used in this report



Notes

The **x**'s mark the States where there is USDA data available on number of layers, egg production and percent molt.
Northwest is the sum of OR and WA
South Central is the sum of AR, UT, CO, MO and TX
Northeast is the sum of CT, MD, ME, NY and PA
Southeast is the sum of AL, FL, GA, MS, NC, SC and VA
Midwest is the sum of IA, IL, IN, MI, MN, NE, OH, WI, SD, MT and WY
California is the state of California only

ALL LAYERS BY REGION, INCLUDING BREEDERS (Million) - 2016 **TABLE 12**

month	Northeast	Southeast	South Central	Midwest	Northwest	California	U.S. Total
Jan	34.8	68.7	53.1	153.7	9.3	12.4	351.3
Feb	35.5	69.0	53.1	158.1	9.7	12.3	357.1
Mar	36.5	69.0	52.8	161.6	9.8	12.3	361.2
Apr	36.4	68.0	52.4	163.4	9.6	12.4	361.1
May							
Jun							
Jul							
Aug							
Sep							
Oct							
Nov							
Dec							
4 Month Avg.	35.8	68.6	52.9	159.2	9.6	12.3	357.7
% of total	10.0	19.2	14.8	44.5	2.7	3.4	

Source: USDA NASS Chickens and Eggs

Note: Year 2015 average for the following States were added: KY, LA, MA, MT, OK, TN, VT and WV

TABLE EGG LAYERS IN FLOCKS OF 30,000 AND ABOVE BY REGION (Million) - 2016 **TABLE 13**

month	Northeast	Southeast	South Central	Midwest	Northwest	California	U.S. Total
Jan	31.9	32.9	32.2	142.0	9.0	11.9	283.6
Feb	32.6	33.0	32.0	146.4	9.4	11.8	289.0
Mar	33.5	32.9	31.7	149.8	9.5	11.8	293.0
Apr	33.4	31.9	31.5	151.5	9.2	11.8	292.9
May							
Jun							
Jul							
Aug							
Sep							
Oct							
Nov							
Dec							
4 Month Avg.	32.9	32.7	31.8	147.4	9.3	11.8	289.6
% of total	11.3	11.3	11.0	50.9	3.2	4.1	
Table/total layers (%)	91.8%	47.6%	60.2%	92.6%	96.8%	96.0%	81.0%

Source: USDA NASS Chickens and Eggs

* The drop in the Northeast region number is mostly explained by not having a count for CT and ME for the period after March

TOTAL MOLT (in-molt plus post-molt) BY REGION (Simple average of reporting States, %) - 2016

month	Northeast	Southeast	South Central	Midwest	Northwest	California	Simple avg. of 5 regions
Jan	4.8	21.6	24.4	19.5	21.3	20.0	18.6
Feb	4.4	19.9	23.1	19.9	22.3	22.5	18.7
Mar	5.3	18.1	20.6	18.1	24.3	33.0	19.9
Apr	1.5	19.1	20.1	21.2	24.5	36.0	20.4
May	3.7	18.4	20.4	20.2	24.3	33.5	20.1
Jun							
Jul							
Aug							
Sep							
Oct							
Nov							
Dec							
5 Month Avg.	3.9	19.4	21.7	19.8	23.3	29.0	19.5
year 2015 avg.	3.1	21.2	23.2	20.0	23.4	30.9	19.0

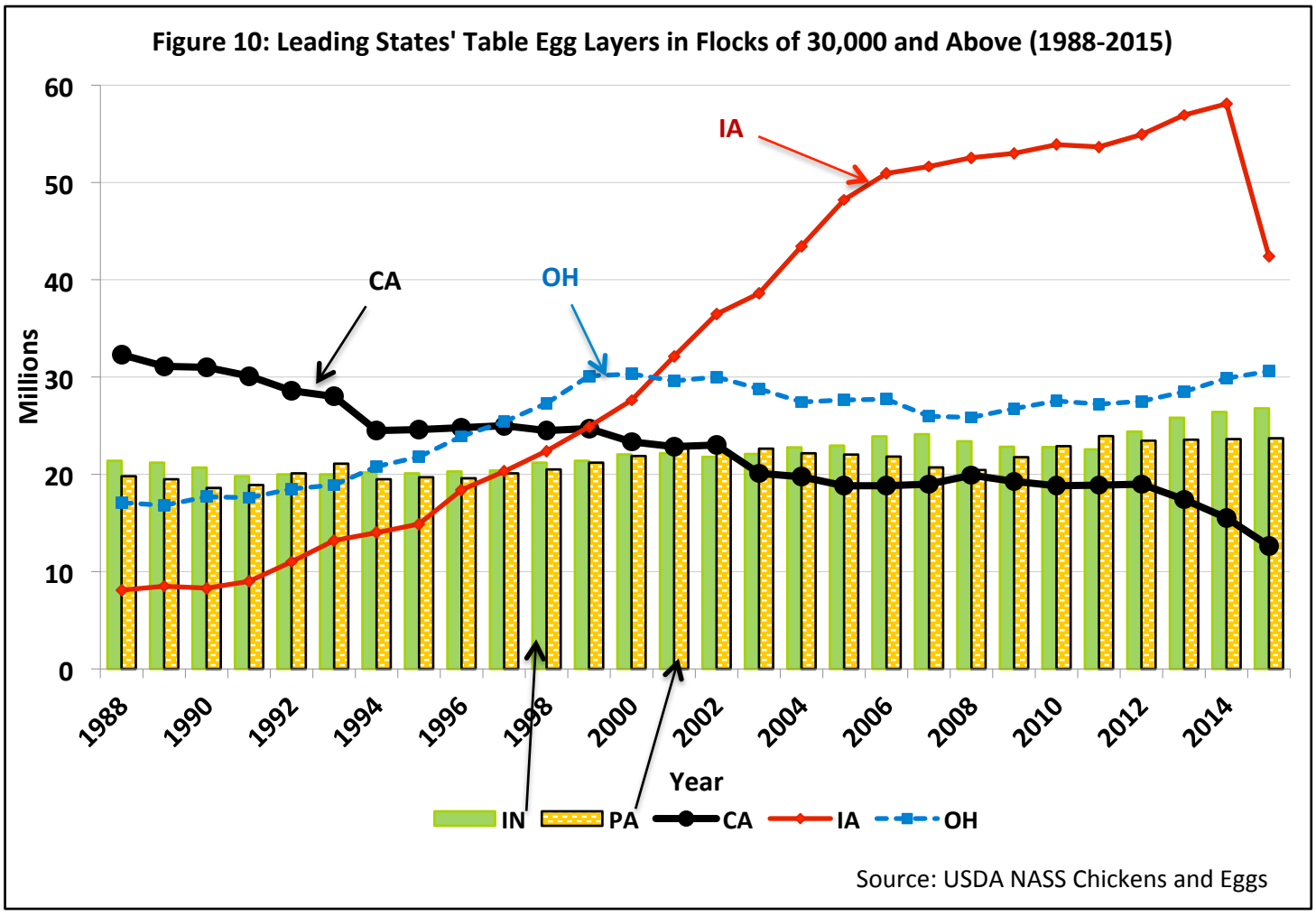
Source: USDA NASS Chickens and Eggs

Note: average molt is estimated as the simple average of the reported States

TABLE EGG LAYERS IN LEADING STATES - (LAYERS IN 30,000+ HEN FLOCKS) - 2016 **TABLE 15**

month	IA	OH	IN	PA	CA	TX	U.S.
Apr-2015	54.88	32.03	26.47	23.70	10.94	14.85	294.04
			(Millions)				
Jan-2016	40.08	32.01	29.07	23.89	11.87	16.55	283.56
Feb-2016	43.85	32.30	28.85	24.70	11.79	16.48	289.04
Mar-2016	46.48	32.02	29.23	25.64	11.81	16.45	292.95
Apr-2016	47.89	31.49	29.27	25.49	11.85	16.40	292.89
May-2016							
Jun-2016							
Jul-2016							
Aug-2016							
Sep-2016							
Oct-2016							
Nov-2016							
Dec-2016							
4 Month Avg.	**44.58**	**31.96**	**29.11**	**24.93**	**11.83**	**16.47**	**289.61**

Source: USDA NASS Chickens and Eggs **% of all U.S. table egg layers** **96.8**



PROJECTED U.S. EGG-TYPE HATCHERY SUPPLY FLOCK (Millions) **TABLE 16**

month	2010	2011	2012	2013	2014	2015	2016
Jan	2.730	3.087	2.706	2.791	2.436	2.608	2.797
Feb	2.716	3.123	2.659	2.830	2.515	2.535	2.797
Mar	2.745	3.108	2.653	2.786	2.503	2.553	2.857
Apr	2.785	3.039	2.703	2.786	2.468	2.610	2.958
May	2.828	2.998	2.672	2.649	2.555	2.619	2.937
Jun	2.910	2.996	2.657	2.745	2.476	2.664	2.947
Jul	2.999	2.883	2.672	2.579	2.540	2.682	3.081
Aug	3.010	2.848	2.731	2.613	2.536	2.689	3.074
Sep	3.019	2.877	2.732	2.630	2.472	2.605	2.997
Oct	3.023	2.779	2.819	2.588	2.530	2.718	2.840
Nov	2.998	2.755	2.778	2.515	2.497	2.917	
Dec	3.099	2.713	2.791	2.537	2.439	2.892	
10 month avg.	2.877	2.974	2.700	2.700	2.503	2.628	2.929
12 month avg.	2.905	2.934	2.714	2.671	2.497	2.674	

Source: USDA NASS Chickens and Eggs

Note: The hatchery supply flock estimates are made by using 7 to 18 months prior hatch minus 9% mortality

PULLETS TO BE HOUSED BASED UPON U.S. HATCH 5 MONTH AGO (Millions) **TABLE 17**

(47.5% of CHICKS PLACED multiplied by a 95% LIVABILITY FACTOR)

month	2011	2012	2013	2014	2015	2016	2011 to '15 month avg.
Jan	16.7	18.7	19.1	17.5	17.9	21.3	18.0
Feb	16.9	17.4	16.1	17.8	18.4	21.5	17.3
Mar	18.6	17.0	17.1	19.2	20.2	22.7	18.4
Apr	17.5	16.9	16.5	18.9	16.5	20.7	17.3
May	17.0	17.6	18.5	18.6	18.2	21.1	18.0
Jun	17.7	18.0	19.1	19.4	18.0	20.8	18.4
Jul	18.7	19.5	21.1	20.6	20.7	24.4	20.1
Aug	19.7	19.4	19.7	20.2	21.4	25.7	20.1
Sep	19.4	19.5	20.8	20.9	21.4	22.3	20.4
Oct	19.4	20.1	22.6	22.4	21.8		21.3
Nov	17.6	17.5	19.1	20.0	21.3		19.1
Dec	16.7	16.2	18.0	19.2	19.3		17.9
9 month avg.	18.0	18.2	18.7	19.2	19.2	22.3	18.7
Annual Avg.	18.0	18.2	19.0	19.5	19.6		18.9
Total	215.9	218.0	227.7	234.6	235.1		226.3

Source: USDA NASS Chickens and Eggs % Change to date 16.05

Note: The number of pullets to be housed was reduced by 6 million based on the number reported as lost to avian influenza. We assumed the reduction as evenly spread during the period between May and September 2015 (assuming that the ages of affected birds was evenly distributed).

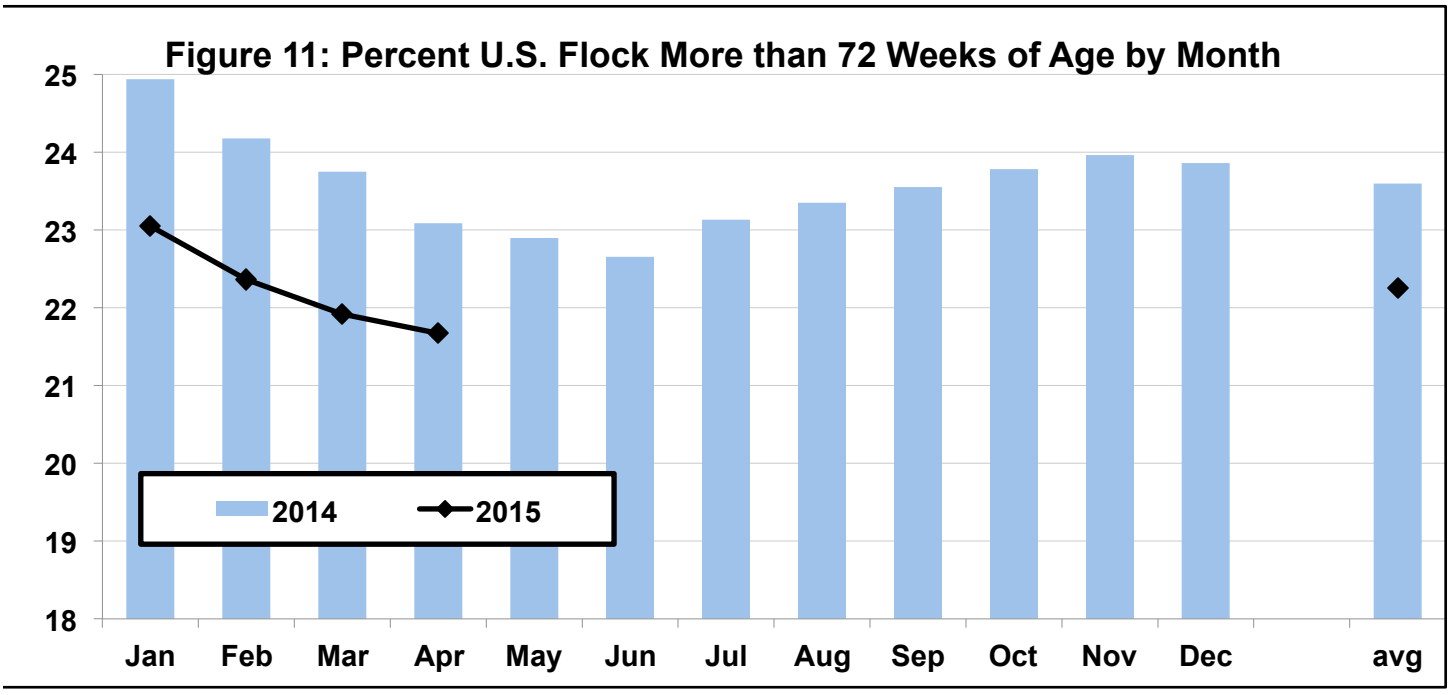
PROJECTED U.S. TABLE EGG FLOCK LESS THAN 72 WEEKS OF AGE (Millions) **TABLE 18**

	Number				% of National Flock over 72 wks.		
month	**2012**	**2013**	**2014**	**2015**	**2013**	**2014**	**2015**
Jan	219.7	220.1	227.7	235.8	26.3	24.9	23.1
Feb	219.6	219.4	229.5	236.5	26.8	24.2	22.4
Mar	217.9	219.6	231.6	237.4	26.9	23.7	21.9
Apr	217.3	219.1	234.0	235.0	26.5	23.1	21.7
May	217.9	220.0	234.1	*	25.8	22.9	
Jun	218.2	221.1	234.4	*	25.5	22.7	
Jul	219.6	221.9	233.8	*	25.4	23.1	
Aug	219.4	222.1	234.1	*	25.8	23.4	
Sep	219.5	223.4	234.0	*	25.6	23.6	
Oct	220.2	226.0	233.5	*	25.0	23.8	
Nov	220.2	227.5	234.3	*	25.3	24.0	
Dec	219.7	229.3	235.4	*	24.9	23.9	
4 month avg.	218.6	221.8	232.8	237.8			
4 month avg.					26.6	24.0	22.3
12 month avg.	219.1	222.5	233.0		25.8	23.6	

Source: Egg Industry Center based on USDA NASS Chickens and Eggs data

Note: The number of layers younger than 72 weeks of age are estimated as the sum of the Egg-Type Chicks Hatched between 5 and 17 months before adjusted by a 9% loss

* Special note: A special adjustment to this calculation will be needed as a result of the avian influenza outbreak, but it will depend on some assumptions about the ages of the layers affected.



FLOCK SIZE PROJECTION

The U.S. flock size is projected for the current year and the following year for each month. Projections start with the first of the month official USDA count and are then adjusted monthly. Adjustments are made considering the most recent:

1. Hatch data (projected 5-months into the future with mortality). Subsequent hatches are based upon 6-year percentage trends for each month.
2. USDA slaughter data and estimates based upon 6-year trends for subsequent months.
3. Missing estimates are included for on-farm slaughter, died, exports, etc. This data is expressed as a percentage of each month's beginning count based upon recent history.

TABLE 19

First of the Month Projection Estimates of U.S. Table Egg Layers (millions)

Actual	Actual	Actual	Actual	Actual	Projected	Projected	Projected	Projected	Projected	Projected	Projected
2016	2016	2016	2016	2016	2016	2016	2016	2016	2016	2016	2016
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
291.1	295.0	302.1	302.8	302.0	303.7	304.6	310.9	317.4	318.8	320.6	323.5

Project. Year end: **Dec, 2016 - 322.3**

The avian influenza outbreak created a large reduction on the U.S. flock; therefore, we expect our flock projections to be a lot less accurate than normal until the situation stabilizes. To be able to approximate a projection we assumed that:

- the age of the 6 million pullets lost to AI were evenly distributed
- the percent of the flock culled (slaughter, died or missing) by month stays the same
- producers find a place where to house the pullets grown (based on the 5 month before hatch)

U.S. FLOCK SIZE PROJECTED VS. ACTUAL (1st OF THE MONTH) - 2016 (Millions) **TABLE 20**

Projected on Jan. 31, 2016 (EIC). Not changed during the year.

Month	Beginning count		Replacements		Slaughter	
	Projected	Actual	Projected	Actual	Projected	Actual
Jan	288.1	291.1	21.1	21.3	6.4	5.4
Feb	290.8	295.0	22.1	21.5	5.5	5.2
Mar	295.2	302.1	22.5	22.7	6.4	6.0
Apr	300.1	302.8	20.8	20.7	6.9	5.3
May	300.9	302.0	22.2	21.1	6.8	
Jun	302.9		22.0	20.8	6.4	
Jul	302.6		18.6	24.4	5.7	
Aug	303.3		20.9	25.7	6.2	
Sep	305.3		20.8	22.3	5.8	
Oct	306.0		21.1		5.8	
Nov	308.3		19.8		4.9	
Dec	311.5		18.1		6.3	
Current avg	295.0	298.6	21.2	22.3	6.3	5.5

1. Note: Projections are based upon USDA data and are updated monthly.
2. Please note: The above projections are updated monthly. The current projections are shown in Table 19.
3. Projected = Egg Industry Center
4. Actual = Chickens and Eggs Report - USDA NASS
5. USDA replacements are projected ahead from previous hatch statistics with mortality and placement adjustments.
6. Mortality and missing birds are not shown in the above table.

NOTE: the projections in table 20 were made before the USDA Chickens and Eggs Report adjustment.

Date calculated: 5/1/2016

2016 Bird Flow by Month

Table 21

A-1 ACTUAL **2015** **2016** (all numbers are in millions)

	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
Beginning Count	288.3	291.1	295.0	302.1	302.8	302.0							
Pullets added at 5 months of age	19.3	21.3	21.5	22.7	20.7	21.1	20.8	24.4	25.7	22.3			
Slaughter of light fowl	-5.1	-5.4	-5.2	-6.0	-5.3								
U.S.D.A. final count	291.1	295.0	302.1	302.8	302.0								

Slaughter (6 year rate 2009-2014) Avg = 2.01%/mo. of beginning counts **Placements (6 year rate 2009-2014) Avg = 6.30%/mo.**

A-2 PROJECTED **2015** **2016**

	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
Beginning Count	288.3	291.1	295.0	302.1	302.8	302.0	303.7	304.6	310.9	317.4	318.8	320.6	323.5
Pullets added at 5 months of age	19.3	21.3	21.5	22.7	20.7	21.1	20.8	24.4	25.7	22.3	21.3	20.0	18.3
Slaughter of light fowl	-5.1	-5.4	-5.2	-6.0	-5.3	-6.8	-6.4	-5.7	-6.3	-5.9	-6.0	-5.0	-6.5
Projected died and missing	-11.6	-12.2	-12.3	-11.4	-13.2	-12.6	-13.5	-12.3	-13.0	-15.0	-13.5	-12.1	-13.0
Projected ending count	290.9	294.8	299.1	307.3	305.1	303.7	304.6	310.9	317.4	318.8	320.6	323.5	322.3
U.S.D.A. final count	291.1	295.0	302.1	302.8	302.0								
Discrepancy in millions	0.2	0.2	3.0	-4.5	-3.1								
Discrepancy in %	0.1	0.1	1.0	-1.5	-1.0								

For died, missing, and average errors (6 year rate - 2009-2014) Avg. = 4.17%/mo. of beginning counts

A-3 PROJECTED **2016** **2017**

	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
Beginning Count	323.5	322.3	321.3	320.5	320.9	318.1	317.0	316.0	318.4	320.5	321.3	323.8	327.5
Pullets added at 5 months of age	18.3	19.7	18.6	19.5	18.5	19.3	19.6	21.2	21.8	21.9	22.2	21.0	19.4
Slaughter of light fowl	-6.5	-7.1	-6.1	-7.0	-7.3	-7.1	-6.6	-5.9	-6.5	-6.0	-6.1	-5.1	-6.6
Projected died and missing	-13.0	-13.5	-13.4	-12.1	-13.9	-13.3	-14.1	-12.8	-13.3	-15.1	-13.6	-12.2	-13.2
Projected ending count	322.3	321.3	320.5	320.9	318.1	317.0	316.0	318.4	320.5	321.3	323.8	327.5	327.2

Notes: Pullets to be added in 2016 were calculated at 6.30% of the beginning count (variable by the month).
Slaughter in 2016 was calculated at 2.01% of the beginning count (variable by the month.)
Died and missing birds were calculated at 4.17% of the beginning count for 2016.
Shaded cells are actual numbers.



2016 United States Flock Size Projections

Table 22

For May 2016

USDA preliminary
Actual count

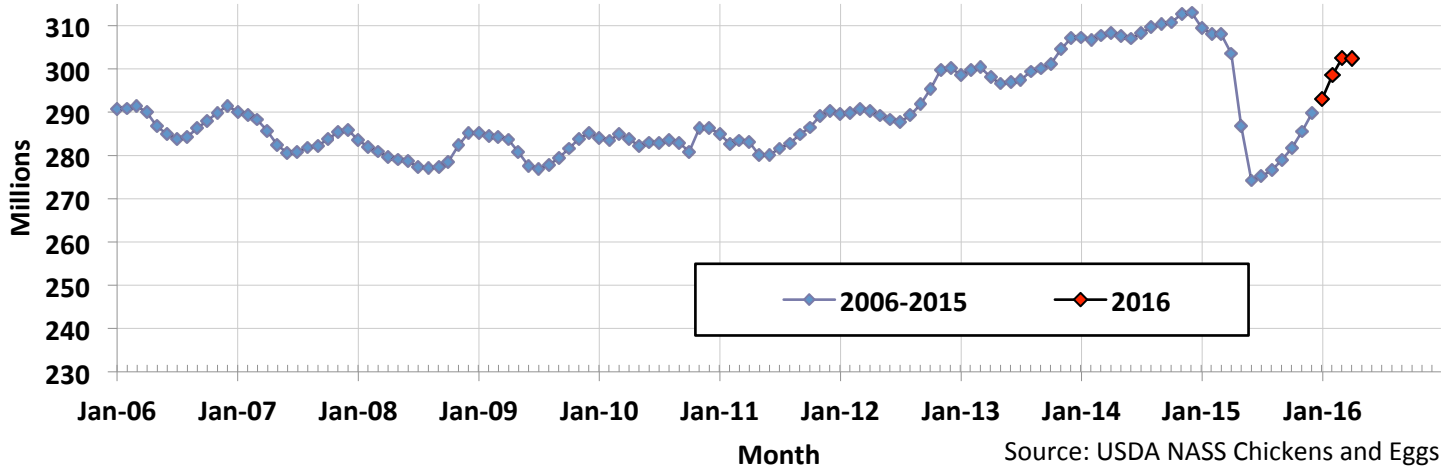
Estimated number of U.S. table egg layers (million) on the 1st of each month

Estimated For Month	Estimated: December 2015	2015	Month Number of Layers Projected for 2016/2017										
		Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
Jan-16	284.8	288.1	291.1										
Feb-16	287.7	290.8	293.5	295.0									
Mar-16	292.3	295.2	297.8	299.4	302.1								
Apr-16	297.4	300.1	302.6	304.1	302.8	302.8							
May-16	298.4	300.9	303.3	304.7	303.4	302.0							
Jun-16	301.3	302.9	305.1	306.4	305.0	303.7							
Jul-16	301.2	302.6	306.7	307.2	305.9	304.6							
Aug-16	301.9	303.3	307.4	313.4	312.1	310.9							
Sep-16	304.0	305.3	309.5	315.1	316.3	317.4							
Oct-16	304.8	306.0	310.2	315.5	316.6	318.8							
Nov-16	307.2	308.3	312.6	317.5	318.6	320.6							
Dec-16	310.5	311.5	315.9	320.5	321.5	323.5							
Jan-17		310.6	315.1	319.5	320.5	322.3							
Feb-17			314.2	318.6	319.5	321.3							
Mar-17				317.7	318.7	320.5							
Apr-17				318.1	319.1	320.9							
May-17				315.4	316.3	318.1							
Jun-17				314.3	315.2	317.0							
Jul-17				313.3	314.2	316.0							
Aug-17				315.7	316.6	318.4							
Sep-17				317.7	318.6	320.5							
Oct-17				318.5	319.4	321.3							
Nov-17				321.0	322.0	323.8							
Dec-17				324.7	325.6	327.5							

THIS IS A NEW PAGE TO VISUALIZE CHANGES IN FLOCK PROJECTIONS AS THE YEAR EVOLVES

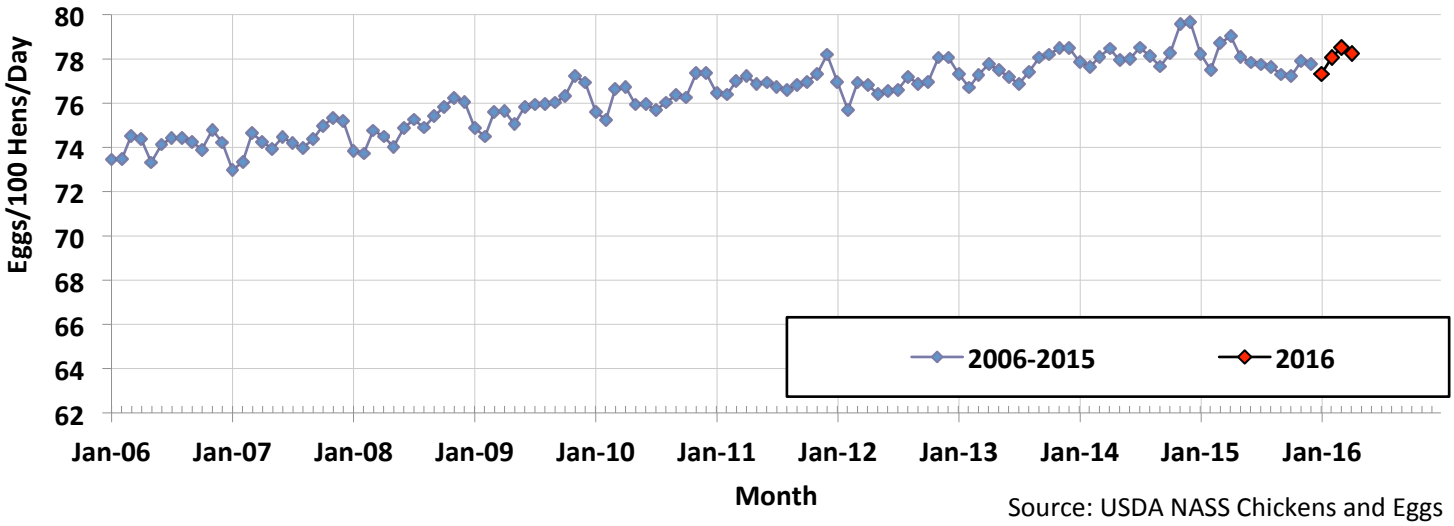
* Note: USDA Chickens and Eggs Report adjusted the number of table egg layers up between the January and February reports

Figure 12: U.S. Monthly Table-Egg Layers (2006-2016)



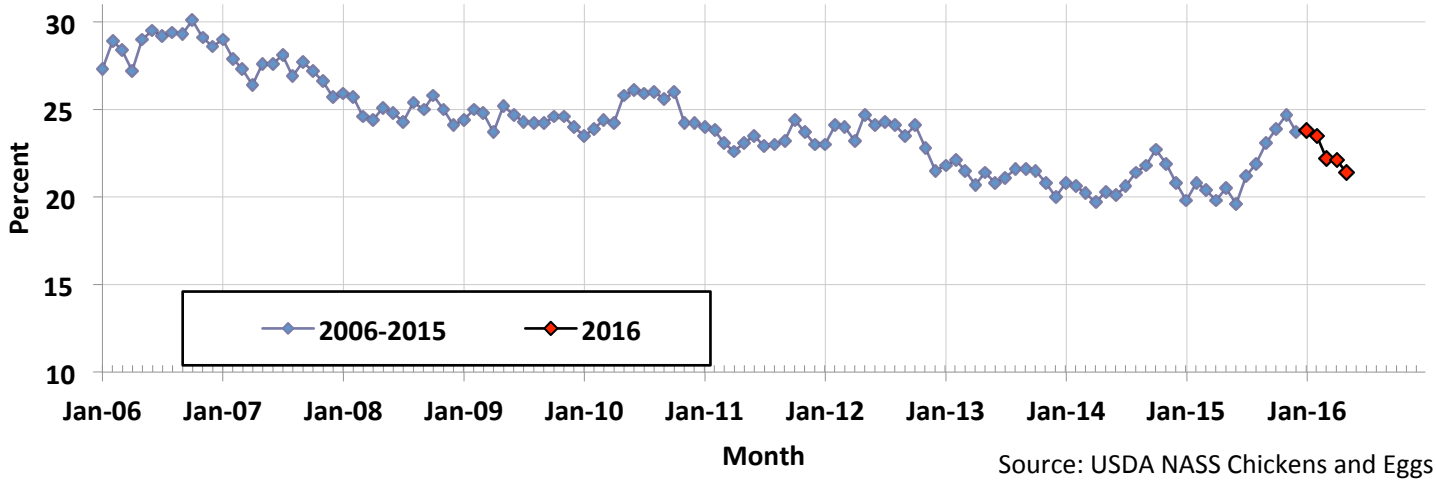
Source: USDA NASS Chickens and Eggs

Figure 13: U.S. Table Eggs per Hundred Hens per Day by Month (2006-2016)



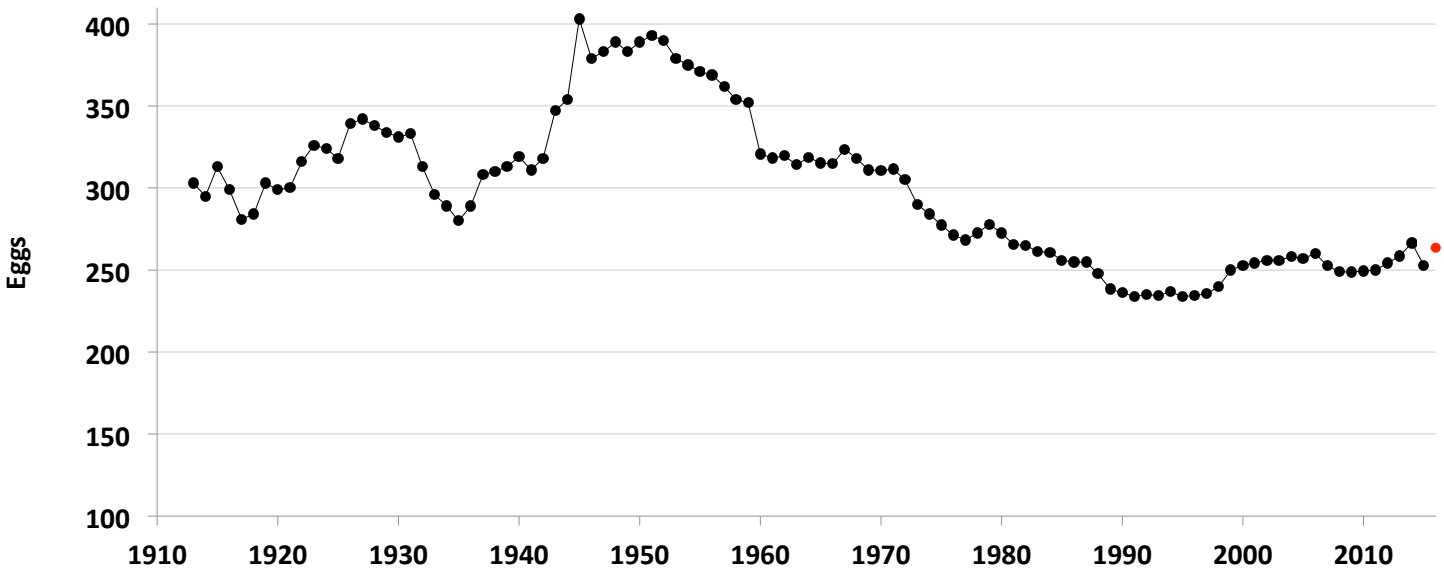
Source: USDA NASS Chickens and Eggs

Figure 14: Monthly Percent of U.S. Flock Molted (2006-2016)



Source: USDA NASS Chickens and Eggs

Figure 15: U.S. Per Capita Egg Consumption by Year (1913-2016)



Source: USDA ERS

SUMMARY TO DATE **Table 23**

			2015	2016	% Change
HATCH of EGG-TYPE STRAIGHT RUN (THOUSANDS) (U.S.)	**(Total)**	**Jan to Apr**	188,022	204,563	8.8
TABLE-EGG LAYERS (MILLIONS) (U.S.)	**(Avg.)**	**Jan to Apr**	307.3	299.1	-2.7
TABLE EGGS (MILLIONS/MONTH) (U.S.)	**(Avg.)**	**Jan to Apr**	7,226	7,061	-2.3
RATE OF LAY (%)	**(Avg.)**	**Jan to Apr**	78.4	78.0	-0.3
U.S. TABLE EGG AVG. CASES/WEEK (THOUSANDS)		**Jan to Apr**	1,686	1,647	-2.3
AVG MONTHLY CASES OF EGGS BROKEN (MILLION) (U.S.)		**Jan to Apr**	6.118	5.922	-3.2
			2013	**2014**	**Difference**
PERCENT OF U.S. FLOCK IN or POST MOLT	**(Avg.)**	**Jan to May**	20.3	22.6	2.3
AVERAGE PULLETS ADDED/MONTH (MILLIONS) (U.S.)		**Jan to Sep**	19.2	22.3	3.1

Note: U.S. cost of production and egg prices are published in another Egg Industry Center report. Contact Maro Ibarburu at maro@iastate.edu to be placed on the mailing list to receive monthly copies of these reports.

Webpages of some of the sources of information,
Access these sites by clicking on the blue addresses below:

University of California Poultry Page	http://animalscience.ucdavis.edu/avian/
USDA NASS Chickens and Eggs	http://usda.mannlib.cornell.edu/MannUsda/viewDocumentInfo.do?documentID=1028
USDA NASS Poultry Slaughter	http://usda.mannlib.cornell.edu/MannUsda/viewDocumentInfo.do?documentID=1131
USDA NASS Egg Products	http://usda.mannlib.cornell.edu/MannUsda/viewDocumentInfo.do?documentID=1057
USDA ERS Livestock and Meat Trade Data.	http://www.ers.usda.gov/data/MeatTrade/BroilerTurkeyMonthly.htm
USDA FAS	http://www.fas.usda.gov/gats/ExpressQuery1.aspx
USDA NASS Cold Storage	http://usda.mannlib.cornell.edu/MannUsda/viewDocumentInfo.do?documentID=1034
USDA AMS Poultry Market News and Analysis	http://marketnews.usda.gov/portal/py

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