

U.S. Flock Trends and Projections

October 7, 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 August hatch (straight-run chicks) was 6.9% lower than in 2015. This projects forward to a 19.8 million pullet placement for January of 2017 which is 1.5 million smaller than January of 2016 placement (21.3).

* Current (August average, 2016) U.S. table egg layer number (300.8 million) is 8.8 percent larger than last year's number at this time (276.6 million), and up 1.2 million compared to last month (299.7 million).

* In August, Iowa led the nation with 51.2 million laying hens compared to 30.1 million in Ohio, 27.6 million in Indiana, and 24.5 million in Pennsylvania. California (with 11.4 million layers) lost it's 5th position to Texas with 16.3 million layers.

* The August U.S. rate of lay was estimated to be 79.8% which is 2.2% higher than August 2015 level. The total number of table eggs produced in August 2016 was 11.8% higher than the August 2015 production.

* The August 2016 number of eggs exported was 14% lower than last year (August 2015) and 12% higher than last month (July 2016). The August exports represented 2.8% of the number of eggs produced.

* Shell eggs broken for products in August 2016 totaled 6.804 million cases, 21.7% more than in August 2015 (5.589 million cases).

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

	2014	2015	% Change
Hatch - Egg-Type Straight Run (thousands) (U.S.)	47,131	43,866	-6.9
Table Egg Layers (millions) (U.S.)	276.6	300.8	8.8
Rate of lay (percent)	77.6	79.8	2.2
Molting (September 1, 2016) (percent in + out of a molt)	23.1	19.0	-17.7

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	*

* please see pages 14-16

Special note about table-egg definition

It was brought to our attention that some readers understand that the table-egg layers are the layers dedicated to the shell egg industry only.

The table-egg layers are the ones that produce eggs for both shell eggs and egg products market (all eggs for human consumption).

The total layers include table-egg layers but also include breeding stock for both the table-egg industry and for the broiler industry.

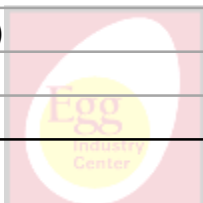
The same distinction is made between table-eggs and total eggs.



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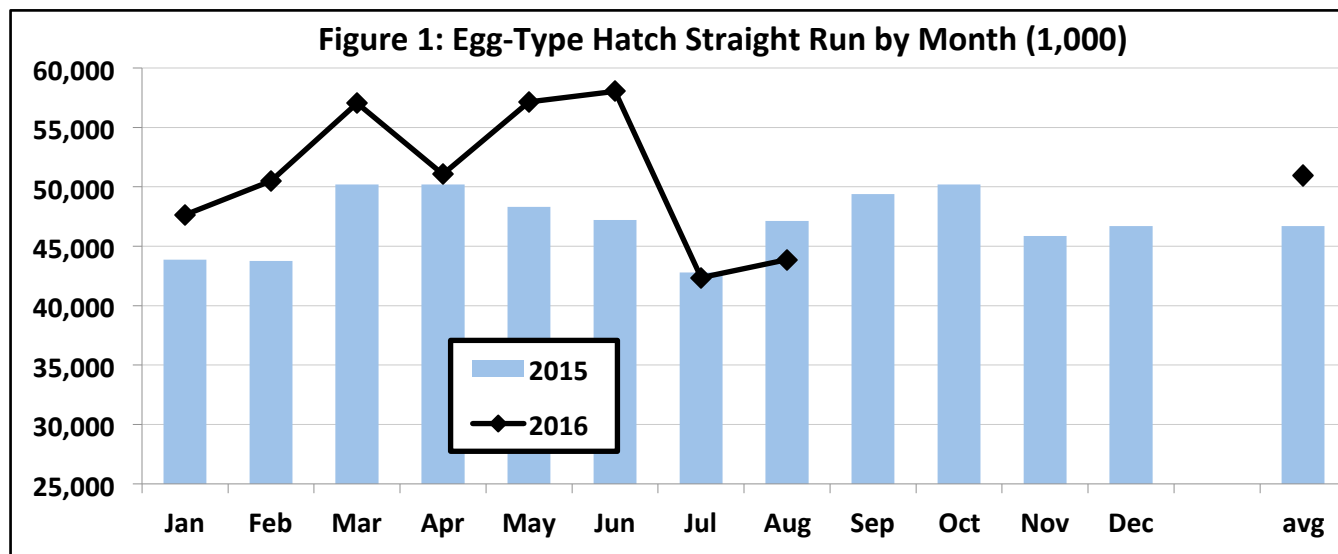
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EGG TYPE: EGGS IN INCUBATORS (on the 1st of the month) and STRAIGHT RUN HATCH (U.S.) **TABLE 1**

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	51,052	1.7
May	48,583	53,478	10.1	May	48,315	57,155	18.3
Jun	47,971	54,579	13.8	Jun	47,212	58,040	22.9
Jul	43,647	44,940	3.0	Jul	42,790	42,349	-1.0
Aug	44,480	38,355	-13.8	Aug	47,131	43,866	-6.9
Sep	46,521	44,030	-5.4	Sep	49,391		
Oct	49,648			Oct	50,194		
Nov	47,072			Nov	45,848		
Dec	48,194			Dec	46,695		
9 Month Avg.	45,488	48,063	5.7	8 Month Avg.	46,684	50,953	9.1
9 Month Total	409,391	432,568		8 Month Total	373,470	407,625	
12 Month Total	554,305			12 Month Total	565,598		

Source: USDA NASS Chickens and Eggs

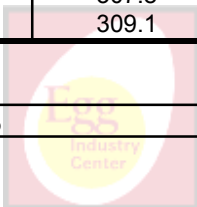


AVERAGE U.S. LAYERS AND TABLE EGG LAYERS 2014/2015 (MILLIONS) **TABLE 2**

month	All Layers			Table Egg Layers			
	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	360.6	4.4	307.6	286.8	301.9	5.3
Jun	332.6	359.3	8.0	307.0	274.2	301.0	9.8
Jul	333.3	357.6	7.3	308.2	275.1	299.7	8.9
Aug	334.5	358.4	7.1	309.6	276.6	300.8	8.8
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		
8 Month Avg.	350.7	358.3	2.2	307.8	292.7	300.0	2.5
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): 83.7%

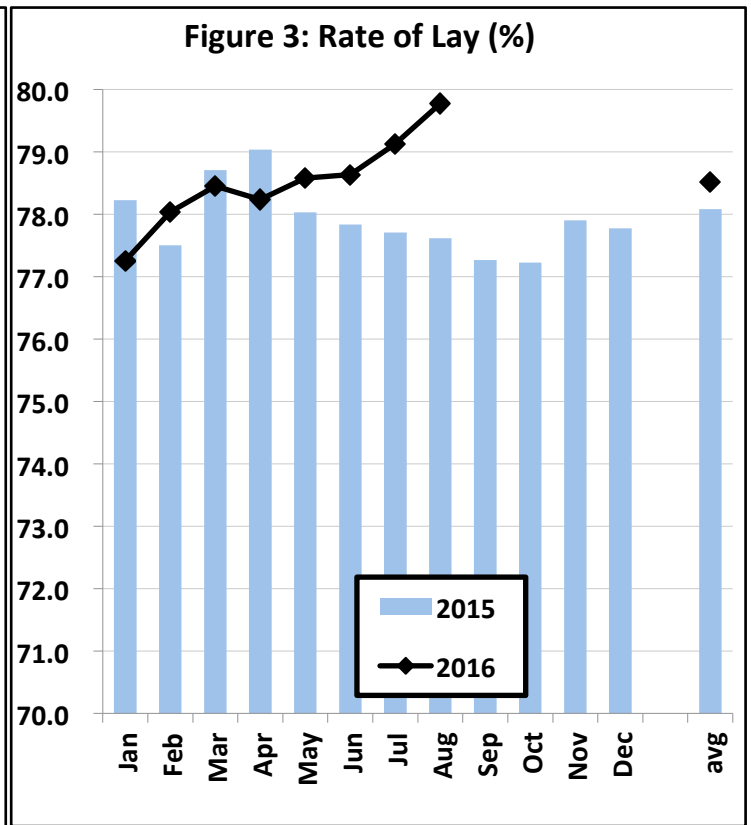
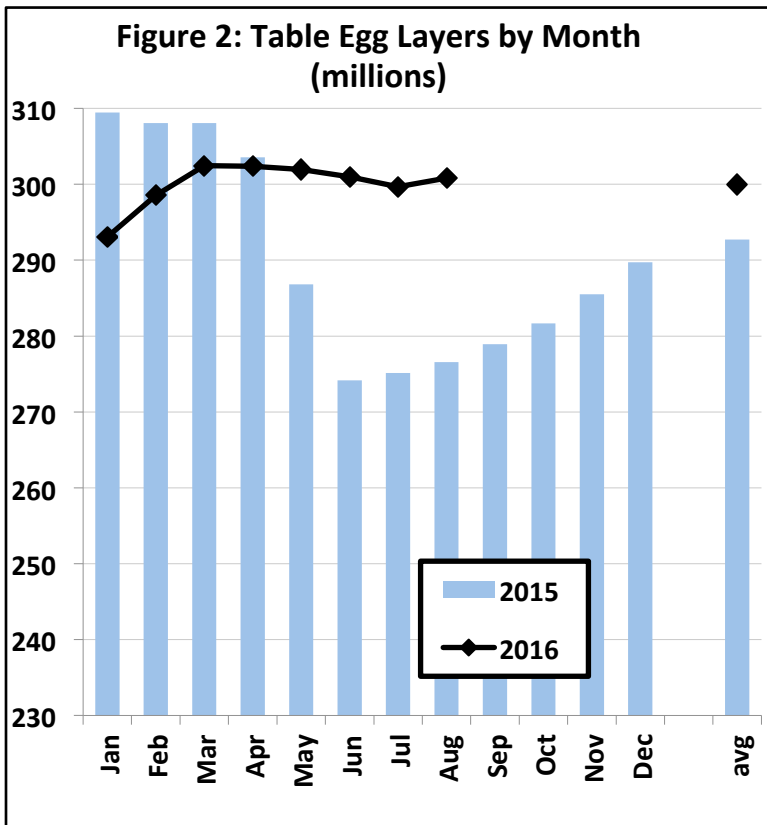


U.S. ALL EGGS, TABLE EGGS AND RATE OF LAY (ALL STATES)

TABLE 3

month	All Eggs (millions)			Table Eggs - human consumption (millions)			Rate of Lay (Table)	
	2015	2016	Change (%)	2015	2016	Change (%)	2015	2016
Jan	8,612	8,152	-5.3	7,503	7,019	-6.5	78.2	77.3
Feb	7,686	7,818	1.7	6,685	6,756	1.1	77.5	78.0
Mar	8,634	8,496	-1.6	7,515	7,357	-2.1	78.7	78.5
Apr	8,294	8,207	-1.1	7,199	7,096	-1.4	79.0	78.2
May	8,076	8,509	5.4	6,936	7,355	6.0	78.0	78.6
Jun	7,509	8,208	9.3	6,401	7,099	10.9	77.8	78.6
Jul	7,775	8,498	9.3	6,629	7,351	10.9	77.7	79.1
Aug	7,798	8,583	10.1	6,655	7,440	11.8	77.6	79.8
Sep	7,562			6,465			77.3	
Oct	7,872			6,743			77.2	
Nov	7,763			6,671			77.9	
Dec	8,117			6,985			77.8	
8 Month Avg.	8,048	8,309	3.2	6,940	7,184	3.5	78.1	78.5
Annual Avg.	7,975			6,866			77.9	
Total	95,696	66,471		82,387	57,472			

Source: USDA NASS Chickens and Eggs



SHELL EGGS BROKEN UNDER FEDERAL INSPECTION (MILLION CASES)

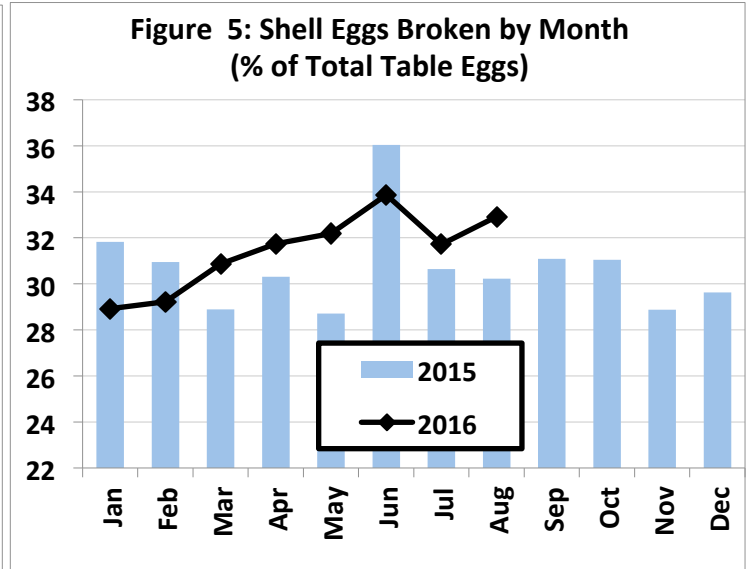
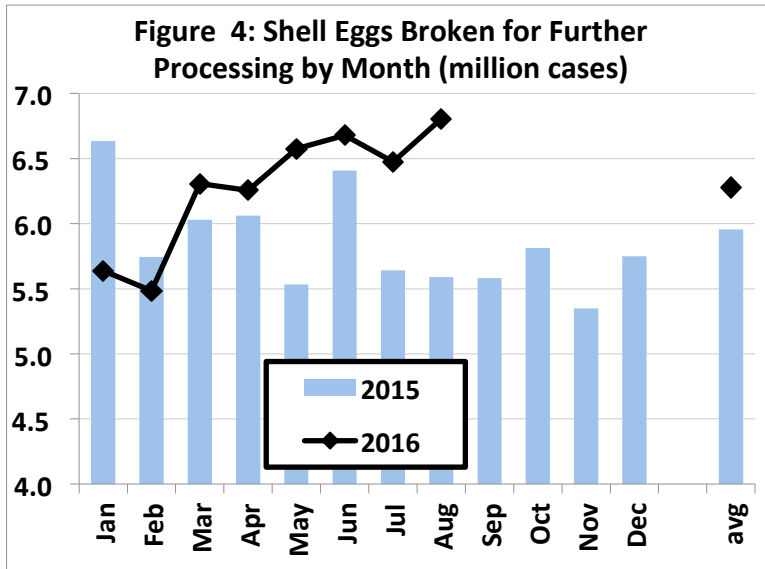
TABLE 4

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	6.576	18.9
Jun	6.206	6.167	5.955	6.118	6.532	6.408	6.679	4.2
Jul	5.977	5.988	5.748	6.266	6.618	5.641	6.474	14.8
Aug	5.884	6.061	6.523	6.200	6.596	5.589	6.804	21.7
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		
8 Month Avg.	5.662	5.795	5.853	5.915	6.218	5.955	6.277	5.4
8 Month Total	45.293	46.357	46.822	47.324	49.741	47.642	50.220	
12 Month Total	69.054	69.431	70.477	71.136	75.405	70.138		

Source: USDA NASS Egg products - monthly

Million Cases Produced
% BROKEN

221.728	228.286	236.092	245.460	228.854	159.643
31.3	30.9	30.1	30.7	30.6	31.5



PER CAPITA EGG CONSUMPTION BY QUARTER

TABLE 5

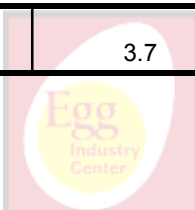
QUARTER	2010	2011	2012	2013	2014	2015	2016*	2017*
1	61.8	61.3	63.2	64.2	65.5	65.2	66.2	65.3
2	61.9	61.5	62.2	63.3	66.1	62.3	66.1	65.7
3	62.5	62.8	63.3	64.5	67.1	61.1	66.6	
4	63.1	64.3	65.6	66.0	68.4	64.5	67.2	
Total	249.3	249.9	254.3	258.0	267.1	253.0	266.1	266.2

Change from previous year (eggs)

0.6	4.4	3.7	9.1	-14.1	13.1	0.1
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Source: USDA ERS Livestock and Meat Trade Data.

* Estimates for 2016 and 2017 (9/2016)

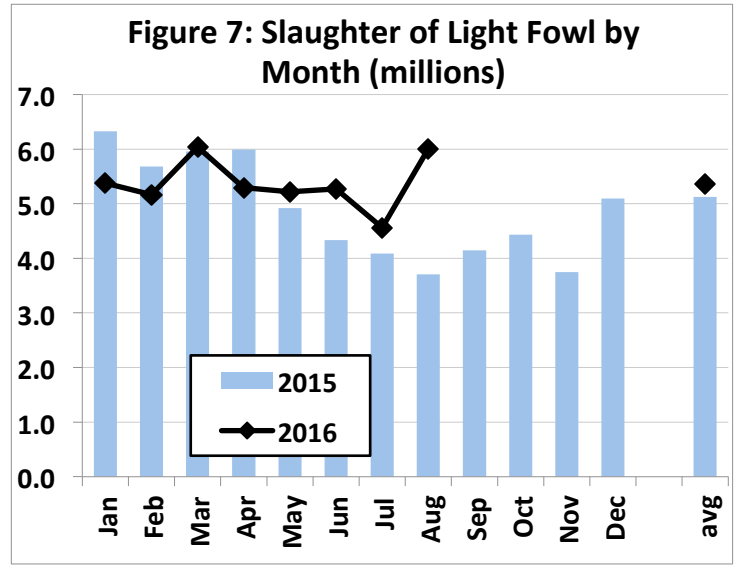
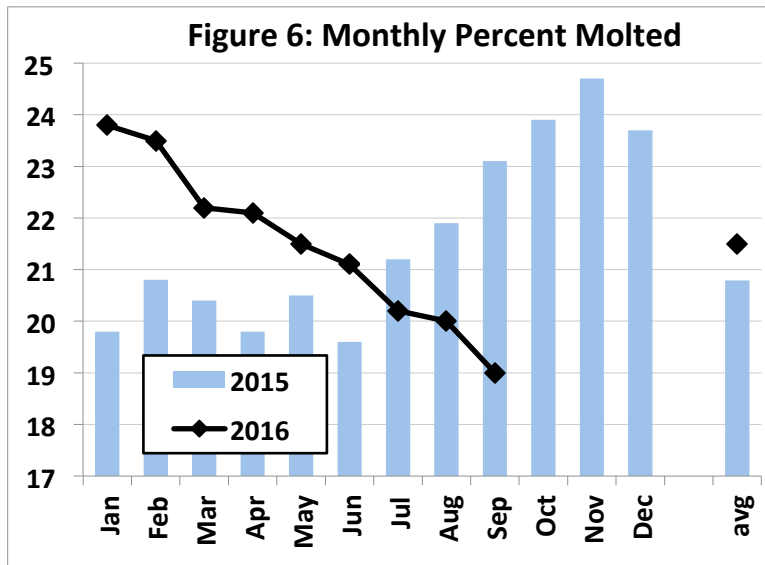


INDUCED MOLT PERCENT - U.S. TOTALS (1ST OF MONTH)

TABLE 6

month	In a Molt			Completed a Molt		Total		
	2015	2016	Change	2015	2016	2015	2016	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	2.8	-0.3	17.4	18.7	20.5	21.5	1.0
Jun	2.4	2.9	0.5	17.2	18.2	19.6	21.1	1.5
Jul	3.0	2.5	-0.5	18.2	17.7	21.2	20.2	-1.0
Aug	2.7	2.6	-0.1	19.2	17.4	21.9	20.0	-1.9
Sep	3.4	2.5	-0.9	19.7	16.5	23.1	19.0	-4.1
Oct	3.4			20.5		23.9		
Nov	3.4			21.3		24.7		
Dec	1.8			21.9		23.7		
9 Month Avg.	2.7	2.6	-0.1	18.1	18.9	20.8	21.5	0.7
12 Month Avg.	2.7			18.9		21.6		

Source: USDA NASS Chickens and Eggs

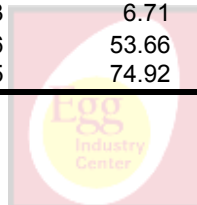


SLAUGHTER OF LIGHT FOWL (MILLIONS)

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	5.22	6.55
Jun	5.88	5.30	6.25	5.40	6.07	4.33	5.27	5.54
Jul	5.42	5.00	4.45	5.60	5.32	4.09	4.56	4.98
Aug	5.64	5.85	6.00	6.81	6.13	3.71	6.01	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
8 Month Avg.	5.85	5.83	6.53	6.71	6.28	5.12	5.37	6.05
8 Month Total	46.83	46.61	52.26	53.66	50.22	41.00	42.93	48.43
12 Month Total	67.66	68.37	75.25	74.92	71.80	58.42		69.40

Source: USDA NASS Poultry Slaughter



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	99.4	0.1	67.5	0.6	83.8	0.0	4.7	267.3	352.5	1.31
Jun	65.4	1.4	70.0	3.5	86.8	0.0	9.5	243.6	322.4	1.24
Jul	94.3	4.6	67.9	0.8	85.9	0.0	18.1	283.1	321.8	1.39
Aug	107.0	1.7	69.4	0.0	84.1	0.0	24.4	296.0	421.7	1.43
Sep									305.7	
Oct									328.1	
Nov									279.3	
Dec									262.2	
8 Mo. Total	910.8	20.1	604.1	5.5	705.5	0.2	69.8	2,405.1	3,443.7	1.51
%	37.9	0.8	25.1	0.2	29.3	0.0	2.9			

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	1.43
Apr	104.7	5.0	8.7	16.8	77.5	10.5	5.6	233.8	402.1	1.19
May	70.7	5.1	6.0	40.9	92.4	0.8	2.2	221.8	385.0	1.09
Jun	101.2	7.2	3.0	15.4	72.3	13.8	30.4	244.5	194.7	1.24
Jul	79.3	23.4	3.7	42.2	75.6	3.1	3.9	236.7	194.3	1.16
Aug	98.4	7.8	12.8	47.0	95.6	17.7	3.0	286.9	254.1	1.39
Sep									297.5	
Oct									211.7	
Nov									157.0	
Dec									324.1	
8 Mo. Total	696.1	82.8	56.7	205.9	653.6	73.8	52.8	1,847.6	2,847.5	1.15
%	37.7	4.5	3.1	11.1	35.4	4.0	2.9			

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	19,497		272.3	1.40	169.9	0.87	442.1	2.27
Feb	18,766		298.0	1.59	162.8	0.87	460.8	2.46
Mar	20,436		409.7	2.00	291.3	1.43	700.9	3.43
Apr	19,710		335.2	1.70	233.8	1.19	569.0	2.89
May	20,432		267.3	1.31	221.8	1.09	489.1	2.39
Jun	19,719		243.6	1.24	244.5	1.24	488.0	2.48
Jul	20,418		283.1	1.39	236.7	1.16	519.8	2.55
Aug	20,667		296.0	1.43	286.9	1.39	582.9	2.82
Sep								
Oct								
Nov								
Dec								
Total/Av	159,643		2,405.1	1.51	1,847.6	1.16	4,252.7	2.66

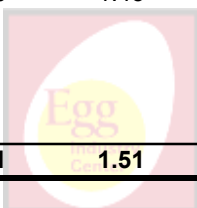
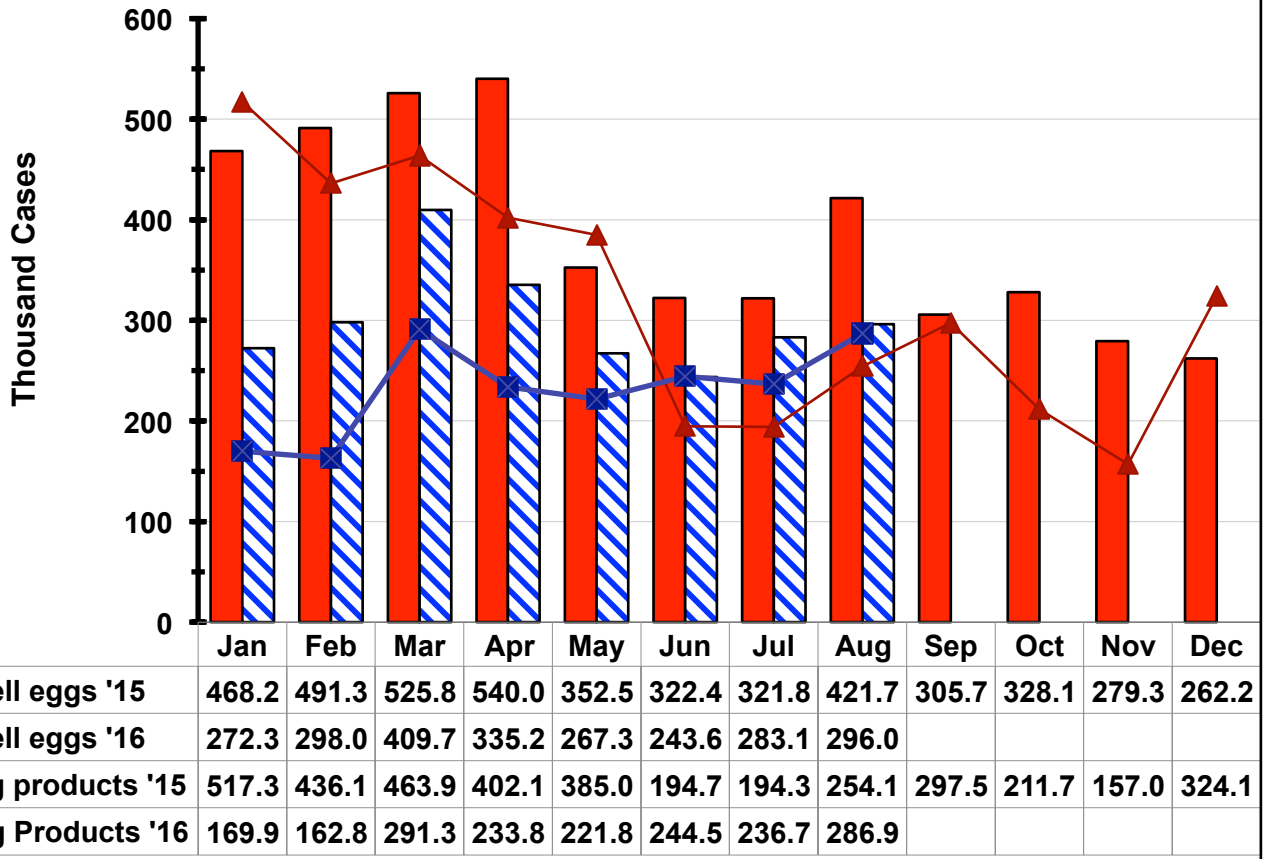
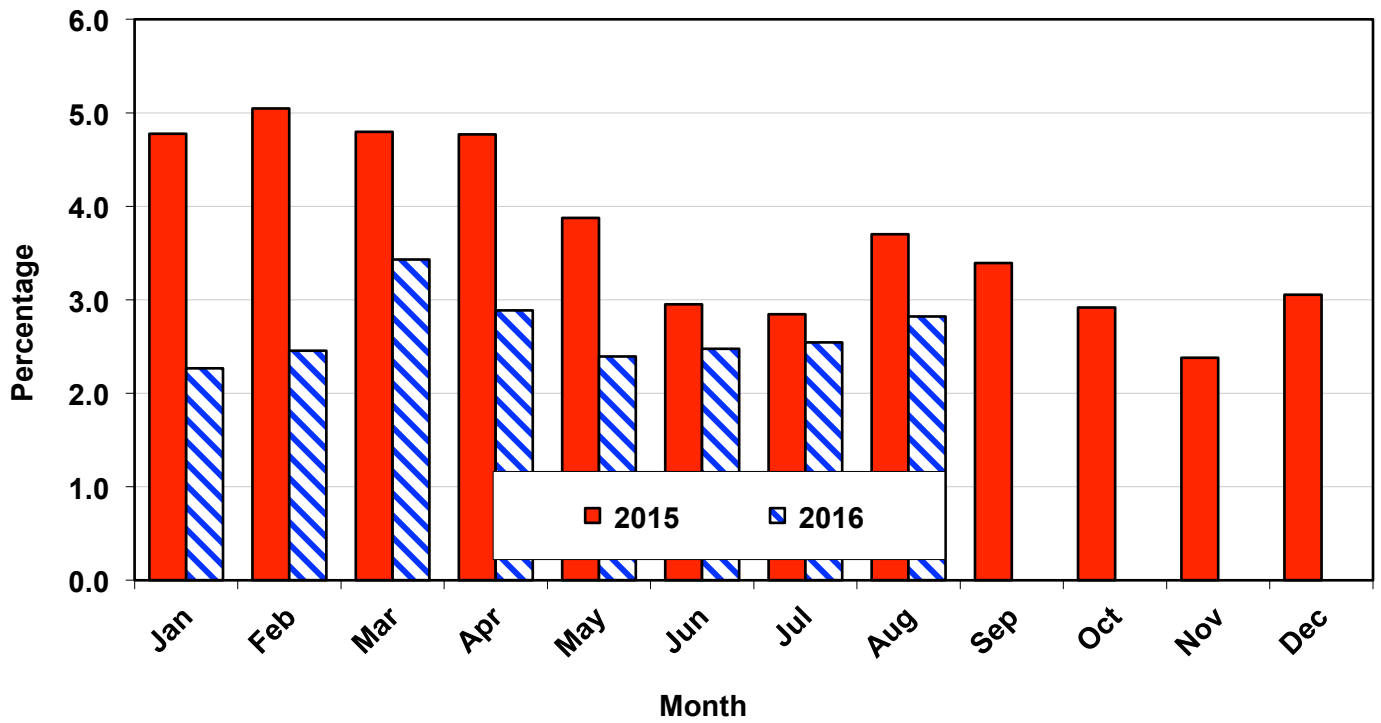


Figure 8: U.S. Egg Exports by Month - 2015 and 2016



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

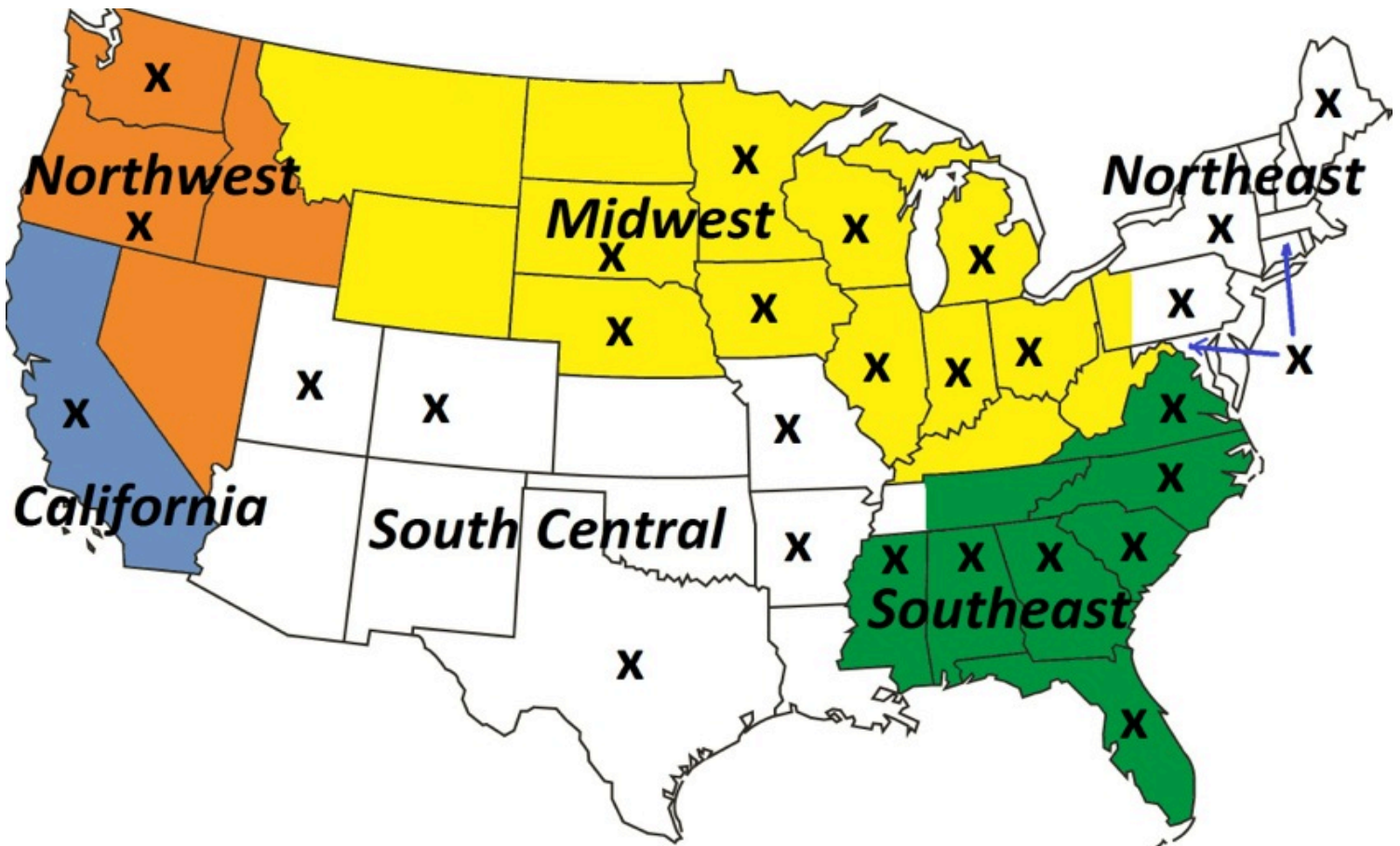
month	Northeast	Southeast	South Central	Midwest	Northwest	California	U.S. Total
Jan	864	1,506	1,311	3,584	227	297	8,152
Feb	841	1,408	1,228	3,457	224	276	7,818
Mar	934	1,486	1,299	3,736	247	297	8,496
Apr	903	1,406	1,256	3,704	226	291	8,207
May	911	1,441	1,304	3,825	226	300	8,509
Jun	883	1,390	1,242	3,705	220	288	8,208
Jul	919	1,448	1,282	3,828	228	292	8,498
Aug	909	1,446	1,291	3,916	231	291	8,583
Sep							
Oct							
Nov							
Dec							
8 Month Avg.	895	1,441	1,276	3,719	229	292	8,309
% of total	10.8	17.3	15.4	44.8	2.8	3.5	

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

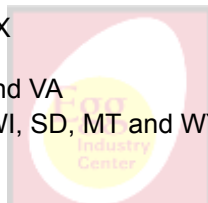
South Central is the sum of AR, UT, CO, MO and TX

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	57.5	153.7	9.3	12.4	351.3
Feb	35.5	69.0	57.7	158.1	9.7	12.3	357.1
Mar	36.5	69.0	57.3	161.6	9.8	12.3	361.2
Apr	36.4	68.0	56.8	163.4	9.6	12.4	361.1
May	35.7	67.4	56.9	164.3	9.3	12.5	360.6
Jun	35.7	66.8	56.5	164.4	9.1	12.4	359.3
Jul	35.6	66.5	56.0	164.0	9.2	12.0	357.6
Aug	35.3	66.5	56.6	164.6	9.1	11.9	358.4
Sep							
Oct							
Nov							
Dec							
8 Month Avg.	35.7	67.7	56.9	161.8	9.4	12.3	358.3
% of total	10.0	18.9	15.9	45.1	2.6	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	36.6	142.0	9.0	11.9	283.6
Feb	32.6	33.0	36.5	146.4	9.4	11.8	289.0
Mar	33.5	32.9	36.2	149.8	9.5	11.8	293.0
Apr	33.4	31.9	35.9	151.5	9.2	11.8	292.9
May	32.7	31.5	36.0	152.3	9.0	12.0	292.4
Jun	32.7	31.0	35.7	152.5	8.8	11.8	291.4
Jul	32.6	31.1	35.2	152.1	8.8	11.5	290.2
Aug	32.3	31.3	36.0	152.6	8.8	11.4	291.3
Sep							
Oct							
Nov							
Dec							
8 Month Avg.	32.7	32.0	36.0	149.9	9.1	11.8	290.5
% of total	11.3	11.0	12.4	51.6	3.1	4.0	

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

TABLE 14

month	Northeast	Southeast	South Central	Midwest	Northwest	California	U.S. Avg
Jan	4.2	24.6	29.0	25.2	26.3	20.0	23.8
Feb	4.3	25.5	29.8	23.3	17.0	19.5	23.5
Mar	4.3	24.4	27.9	24.3	15.3	19.5	22.2
Apr	4.2	25.5	28.9	23.0	19.5	18.0	22.1
May	3.2	27.0	29.2	22.6	19.8	16.0	21.5
Jun	2.7	27.2	26.5	22.1	18.5	18.5	21.1
Jul	2.8	27.1	27.1	19.2	17.3	19.0	20.2
Aug	2.2	26.7	27.7	18.5	19.3	21.5	20.0
Sep	2.0	27.4	26.4	17.5	17.8	19.5	19.0
Oct							
Nov							
Dec							
8 Month Avg.	3.3	26.2	28.1	21.7	18.9	19.1	21.5
year 2015 avg.	3.9	21.2	25.9	20.5	23.3	29.9	21.6

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

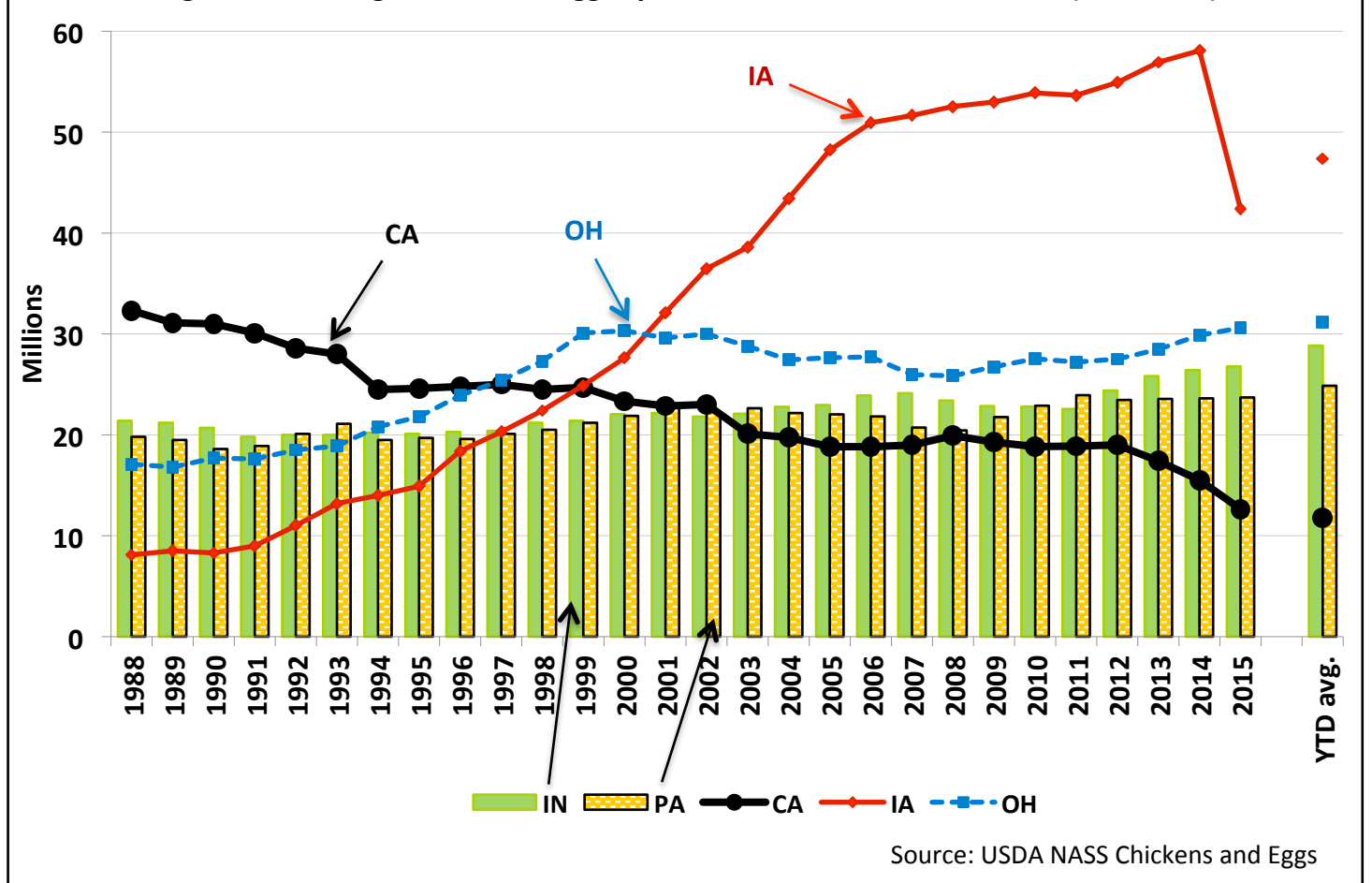
TABLE 15

month	IA	OH	IN	PA	CA	TX	U.S.
Aug-2015	32.60	32.01	28.05	23.85	11.35	15.61	267.03
			(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	292.86
May-2016	48.72	31.16	29.28	25.01	12.00	16.33	292.42
Jun-2016	49.92	30.56	29.04	24.95	11.85	16.17	291.45
Jul-2016	50.78	30.00	28.34	24.76	11.46	16.17	290.16
Aug-2016	51.20	30.15	27.65	24.49	11.41	16.28	291.31
Sep-2016							
Oct-2016							
Nov-2016							
Dec-2016							
8 Month Avg.	47.37	31.21	28.84	24.87	11.75	16.35	290.47

Source: USDA NASS Chickens and Eggs

% of all U.S. table egg layers in flocks with 30,000 or more hens = 96.8%

Figure 10: Leading States' Table Egg Layers in Flocks of 30,000 and Above (1988-2015)



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

TABLE 16

month	2011	2012	2013	2014	2015	2016	2017
Jan	3.087	2.706	2.791	2.436	2.608	2.797	2.836
Feb	3.123	2.659	2.830	2.515	2.535	2.797	2.725
Mar	3.108	2.653	2.786	2.503	2.553	2.857	
Apr	3.039	2.703	2.786	2.468	2.610	2.958	
May	2.998	2.672	2.649	2.555	2.619	2.937	
Jun	2.996	2.657	2.745	2.476	2.664	2.947	
Jul	2.883	2.672	2.579	2.540	2.682	3.081	
Aug	2.848	2.731	2.613	2.536	2.689	3.074	
Sep	2.877	2.732	2.630	2.472	2.605	2.997	
Oct	2.779	2.819	2.588	2.530	2.718	2.840	
Nov	2.755	2.778	2.515	2.497	2.917	2.805	
Dec	2.713	2.791	2.537	2.439	2.892	2.866	
2 month avg.	3.105	2.683	2.811	2.476	2.572	2.797	2.780
12 month avg.	2.934	2.714	2.671	2.497	2.674	2.913	

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	2012	2013	2014	2015	2016	2017	2012 to '16 month avg.
Jan	18.7	19.1	17.5	17.9	21.3	19.8	18.9
Feb	17.4	16.1	17.8	18.4	21.5		18.2
Mar	17.0	17.1	19.2	20.2	22.7		19.2
Apr	16.9	16.5	18.9	16.5	20.7		17.9
May	17.6	18.5	18.6	18.2	21.1		18.8
Jun	18.0	19.1	19.4	18.0	20.8		19.1
Jul	19.5	21.1	20.6	20.7	24.4		21.3
Aug	19.4	19.7	20.2	21.4	25.7		21.3
Sep	19.5	20.8	20.9	21.4	23.0		21.1
Oct	20.1	22.6	22.4	21.8	25.8		22.6
Nov	17.5	19.1	20.0	21.3	26.2		20.8
Dec	16.2	18.0	19.2	19.3	19.1		18.4
1 month avg.	18.7	19.1	17.5	17.9	21.3	19.8	18.9
Annual Avg.	18.2	19.0	19.5	19.6	22.7		19.8
Total	218.0	227.7	234.6	235.1	272.2		237.5

Source: USDA NASS Chickens and Eggs

% Change to date

-6.93

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)

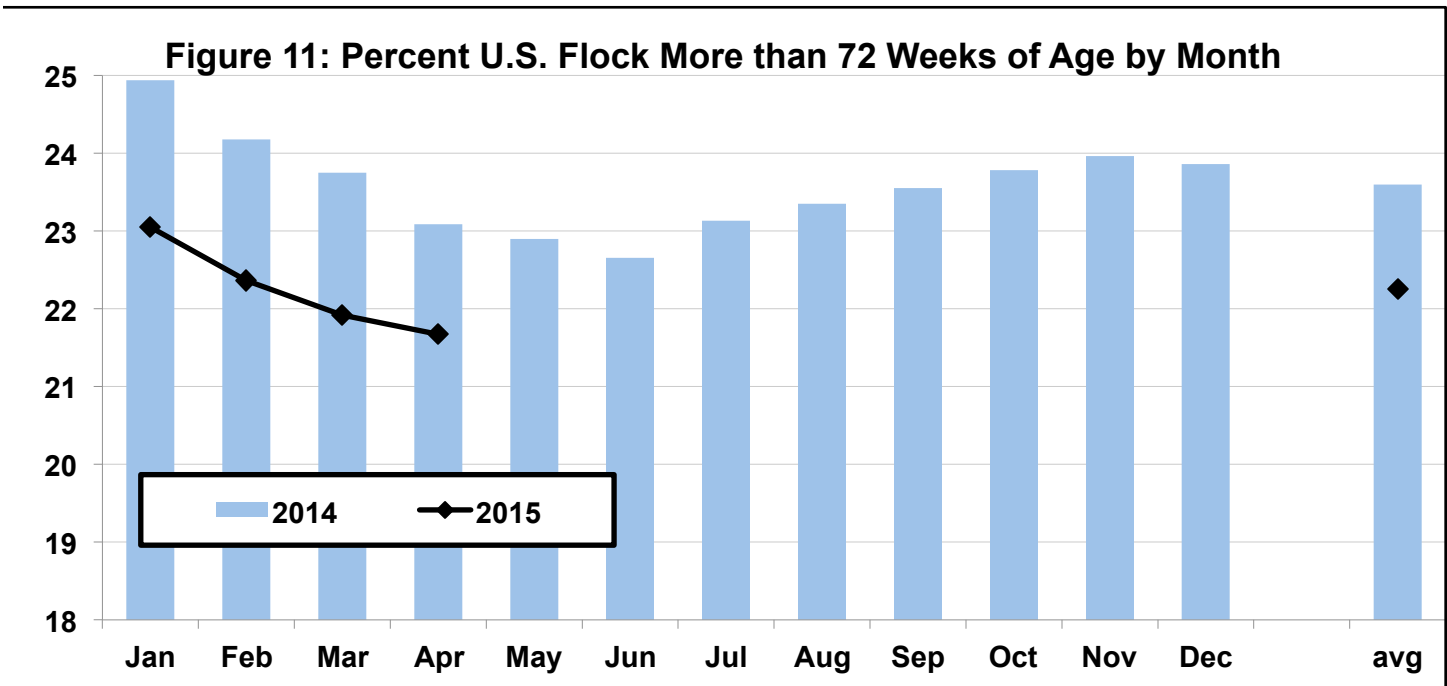
TABLE 18

month	Number				% of National Flock over 72 wks.		
	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

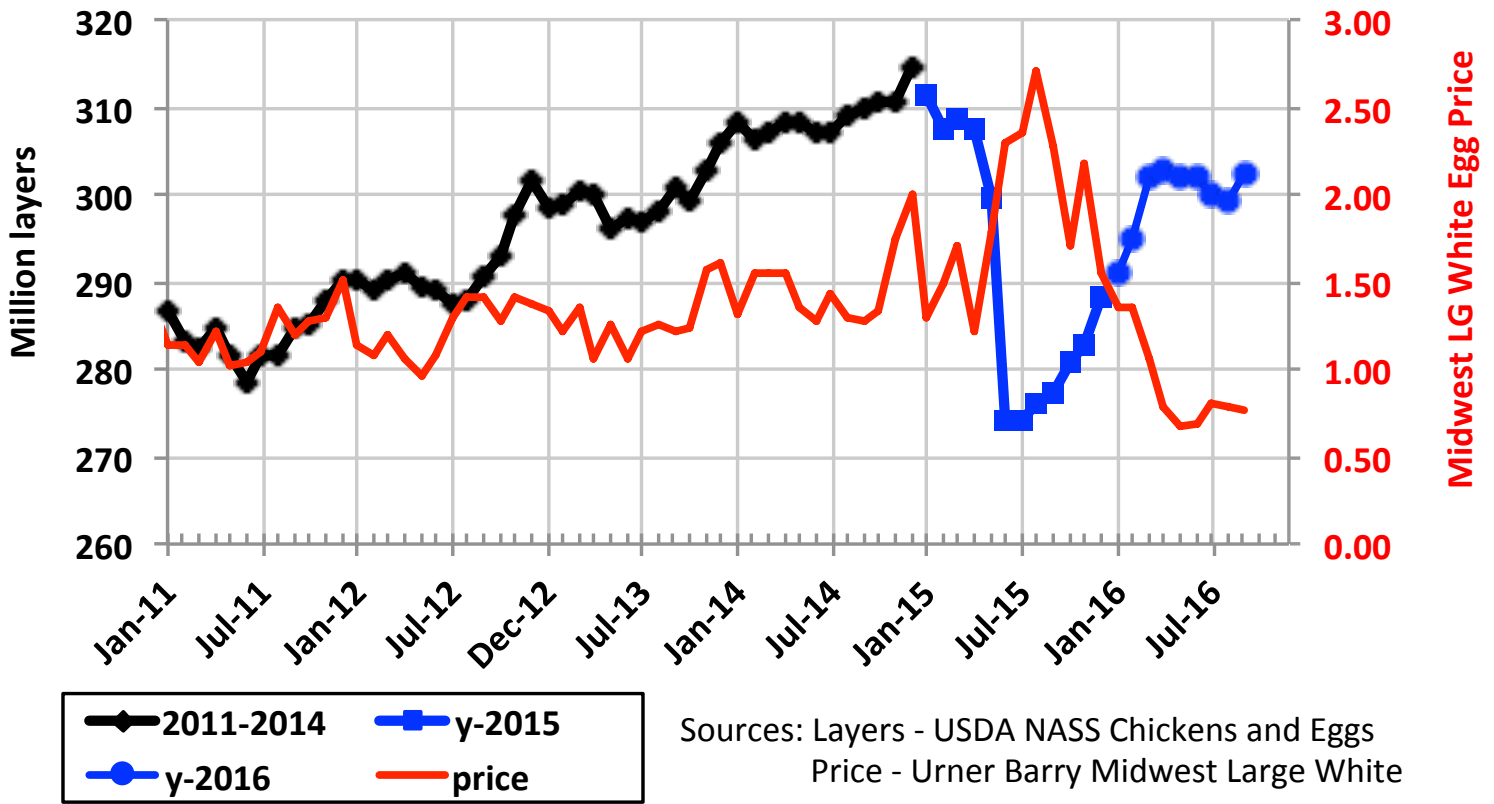
* Special note: A special adjustment to this calculation will be needed as a result of the avian influenza outbreak, but it will depend on some assumptions about the ages of the layers affected.



Some new uncertainties about the flock projection

The egg prices continue very low and the flock size hadn't changed much despite the large number of baby chicks hatched during the 1st half of 2016. Under normal circumstances the large number of chicks hatch would result in an increase on the number of layers 5 months later, but these low prices discourage the producers from keeping some of the older (less efficient) flocks.

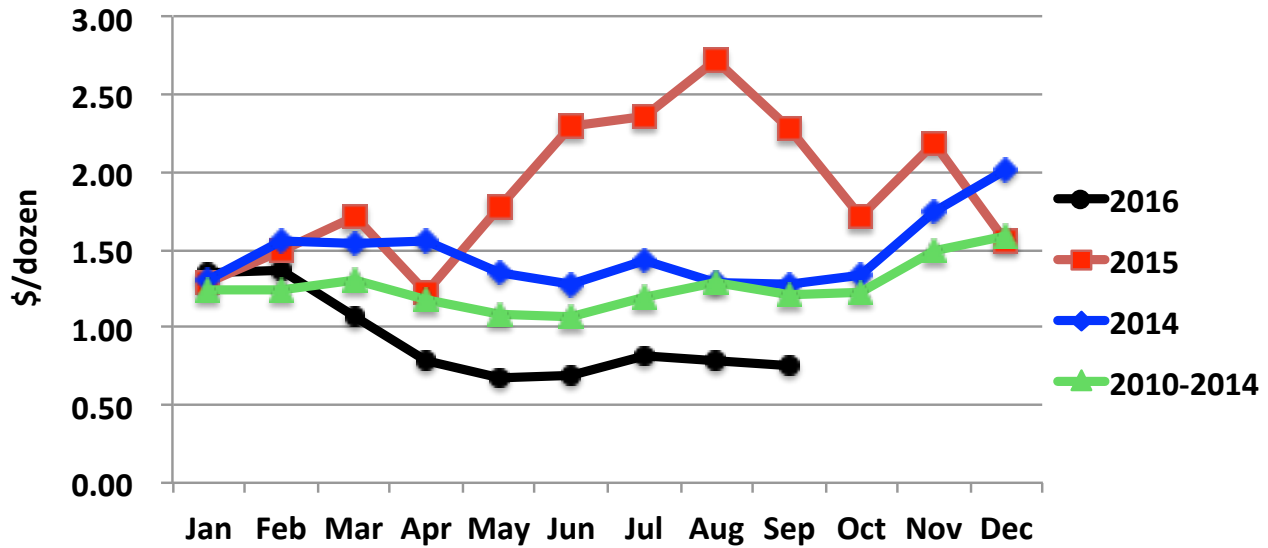
U.S. Table-Egg Layers on 1st of the Month and Egg Prices (2011-2016)



It is shown in the figure above that the U.S. flock was recuperating at a very good rate from the losses experienced last year even though the prices were going down, as more supply was available. But the growth stopped in April, which coincided with the month the prices reached levels close to the 10-year low prices as shown in the figure below.



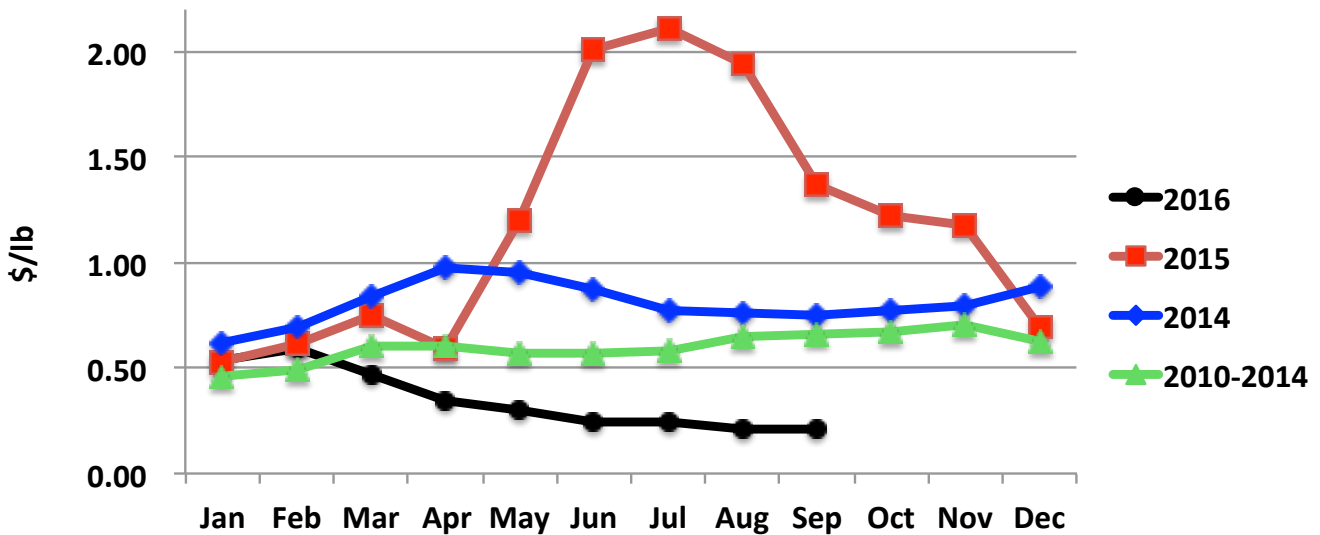
Midwest Large White Egg Prices



Source: Urner Barry

The egg products industry is also facing low prices. The whole liquid egg price is at the lowest level since 1983, when Urner Barry started publishing them (see figure below). The September price was 6.5 times lower than last year and 3.6 times lower than in 2014, to compare with a period of time before the HPAI outbreak.

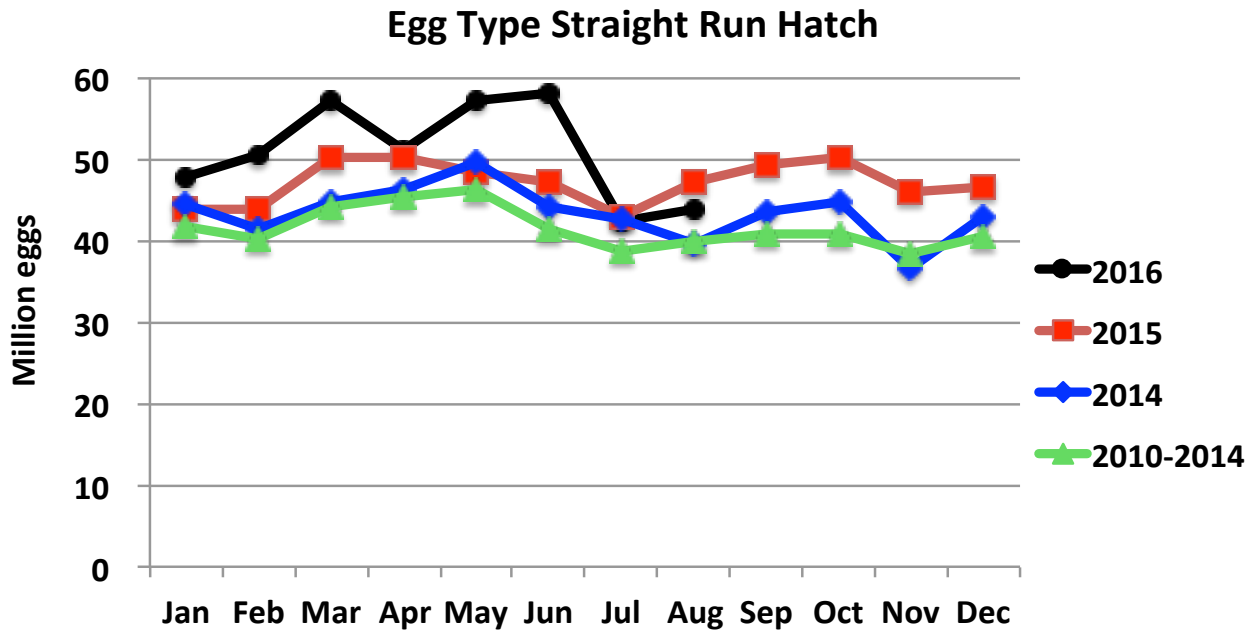
Liquid Whole Egg Price, Unpausterized, Standard



Source: Urner Barry



The flock didn't increase very much during the last few months despite of the large egg-type eggs hatched from January through June 2016 (see figure below). The number of chicks hatched in July and August decreased to levels similar to 2014.



Source: USDA NASS

The number of eggs consumed per person per day in the U.S. in August was close to the year 2014 before the HPAI outbreak (see figure below). But the U.S. lost almost half of the egg exports with respect to 2014 and the inventories are almost 50% higher than in 2014.

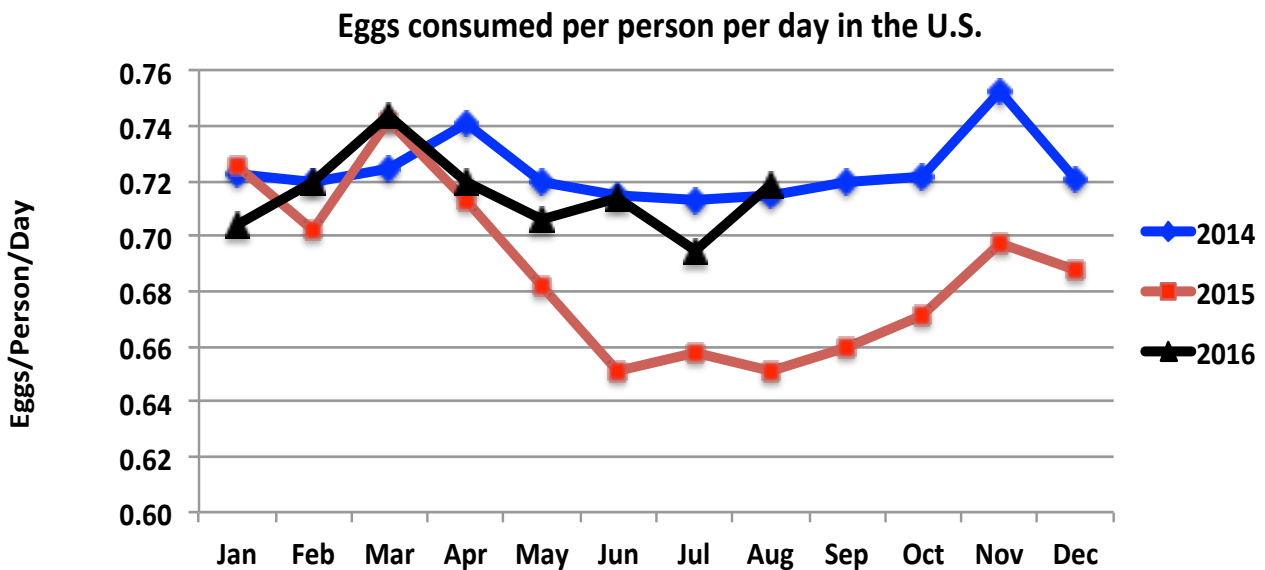


Figure 12: U.S. Monthly Table-Egg Layers (2006-2016)

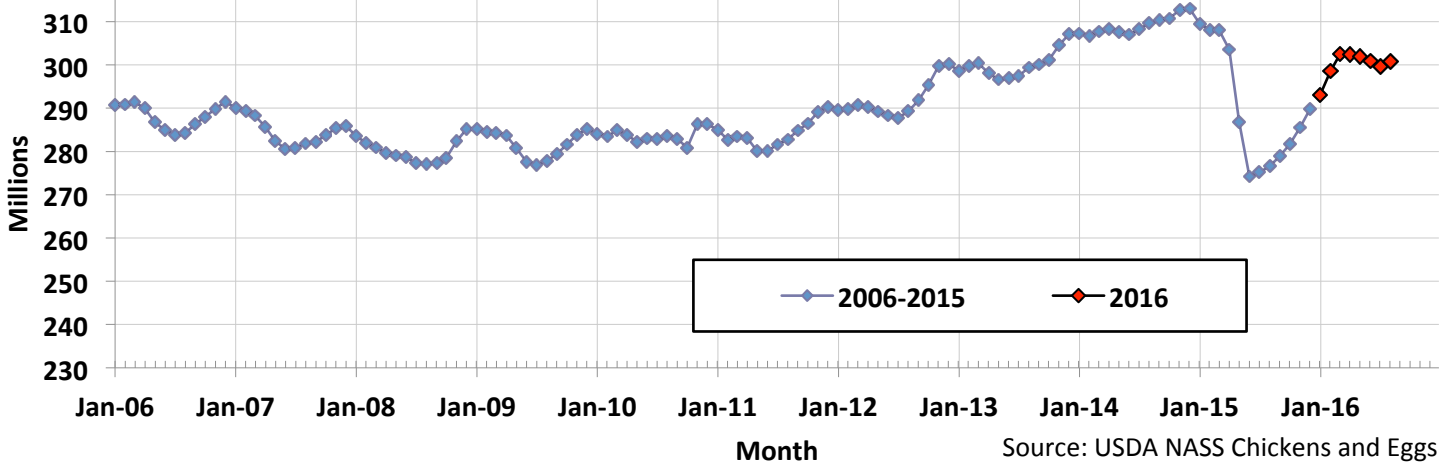


Figure 14: Monthly Percent of U.S. Flock Molted (2006-2016)

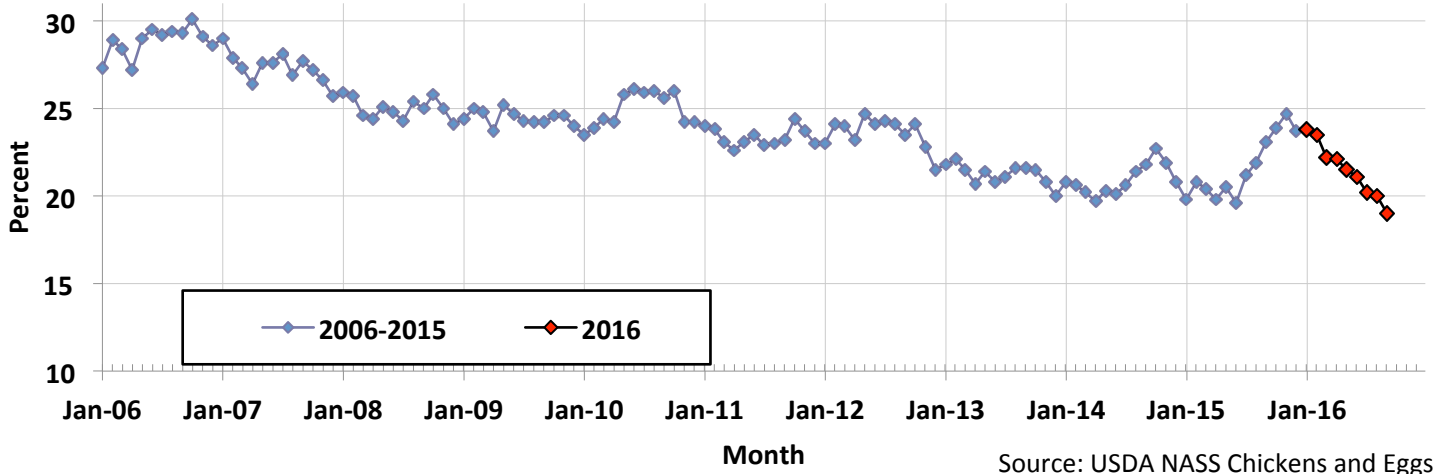
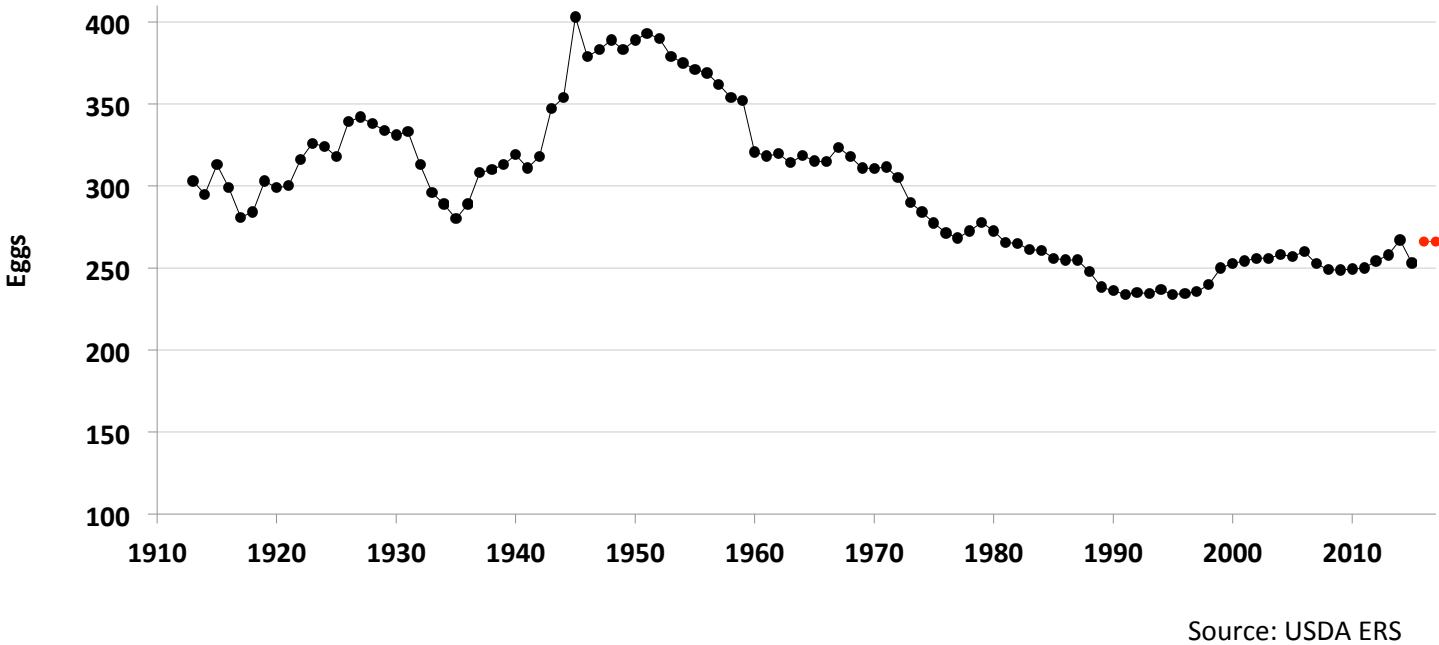


Figure 15: U.S. Per Capita Egg Consumption by Year (1913-2017)



SUMMARY TO DATE

Table 23

		2015	2016	% Change
HATCH of EGG-TYPE STRAIGHT RUN (THOUSANDS) (U.S.) (Total)	Jan to Aug	373,470	407,625	9.1
TABLE-EGG LAYERS (MILLIONS) (U.S.) (Avg.)	Jan to Aug	292.7	300.0	2.5
TABLE EGGS (MILLIONS/MONTH) (U.S.) (Avg.)	Jan to Aug	6,940	7,184	3.5
RATE OF LAY (%) (Avg.)	Jan to Aug	78.1	78.5	0.4
U.S. TABLE EGG AVG. CASES/WEEK (THOUSANDS)	Jan to Aug	1,599	1,656	3.5
AVG MONTHLY CASES OF EGGS BROKEN (MILLION) (U.S.)	Jan to Aug	5.955	6.277	5.4
		2013	2014	Difference
PERCENT OF U.S. FLOCK IN or POST MOLT (Avg.)	Jan to Sep	20.8	21.5	0.7
AVVERAGE PULLETS ADDED/MONTH (MILLIONS) (U.S.)	Jan to Jan-2017	21.3	19.8	-1.5

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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