

# U.S. Flock Trends and Projections

DECEMBER 7, 2015



*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 October hatch (straight-run chicks) was 12.4% higher than in 2014. This projects forward to a 22.6 million pullet placement for March of 2016 which is 2.5 million larger than March of 2015 placement (20.1).

\* Current (October average, 2015) U.S. table egg layer number (278.4 million) is 27.9 million smaller than last year's number at this time (306.3 million), and up 2.6 million compared to last month (275.9 million).

\* In October, Iowa led the nation with 33.4 million laying hens compared to 31.0 million in Ohio, 28.3 million in Indiana, and 23.7 million in Pennsylvania. California (with 13.1 million layers) lost it's 5th position to Texas with 15.7 million layers.

\* The October U.S. rate of lay was estimated to be 77.2% which is 1.1% lower than the October 2014 level (78.3%). The total number of table eggs produced in October 2015 was 10.4% lower than the October 2014 production.

\* The October 2015 number of eggs exported was 52% lower than last year (October 2014) and 11% lower than last month (September 2015). The October exports represented 2.9% of the number of eggs produced.

\* Shell eggs broken for products in October 2015 totaled 5.814 million cases, 13.6% less than in October 2014 (6.731 million cases).

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

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

	2014	2015	% Change
Hatch - Egg-Type Straight Run (thousands) (U.S.)	44,468	49,978	12.4
Table Egg Layers (millions) (U.S.)	306.3	278.4	-9.1
Rate of lay (percent)	78.3	77.2	-1.1
Molting (November 1, 2015) (percent in + out of a molt)	21.9	24.6	2.7

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

Year	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Million	290.9	290.6	284.7	285.6	285.2	286.8	290.1	294.6	300.4	304.8	287.4*

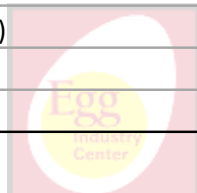
\* estimated value



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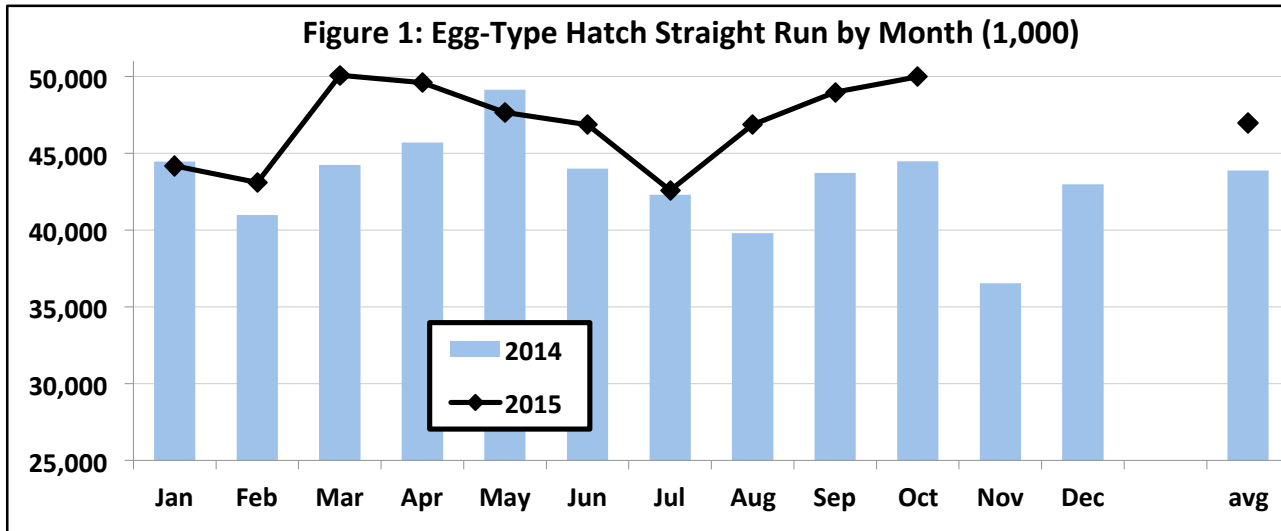
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**EGG TYPE: EGGS IN INCUBATORS (on the 1st of the month) and STRAIGHT RUN HATCH (U.S.)** **TABLE 1**

EGG-TYPE Eggs in Incubators (thousands)				EGG-TYPE Straight Run Hatch (thousands)			
month	2014	2015	Change (%)	month	2014	2015	Change %
Jan	41,220	42,237	2.5	Jan	44,458	44,174	-0.6
Feb	41,857	40,464	-3.3	Feb	40,986	43,091	5.1
Mar	39,409	46,064	16.9	Mar	44,233	50,077	13.2
Apr	43,197	49,281	14.1	Apr	45,703	49,595	8.5
May	47,407	47,700	0.6	May	49,146	47,652	-3.0
Jun	42,738	47,552	11.3	Jun	44,006	46,868	6.5
Jul	41,041	43,666	6.4	Jul	42,297	42,582	0.7
Aug	39,782	45,286	13.8	Aug	39,803	46,863	17.7
Sep	41,734	47,196	13.1	Sep	43,722	48,972	12.0
Oct	43,275	49,844	15.2	Oct	44,468	49,978	12.4
Nov	38,051	47,443	24.7	Nov	36,544		
Dec	42,006			Dec	42,980		
<b>11 Month Avg.</b>	<b>41,792</b>	<b>46,067</b>	<b>10.2</b>	<b>10 Month Avg.</b>	<b>43,882</b>	<b>46,985</b>	<b>7.1</b>
<b>11 Month Total</b>	<b>459,711</b>	<b>506,733</b>		<b>10 Month Total</b>	<b>438,822</b>	<b>469,852</b>	
<b>12 Month Total</b>	<b>501,717</b>			<b>12 Month Total</b>	<b>518,346</b>		

Source: USDA NASS Chickens and Eggs

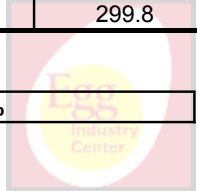


**AVERAGE U.S. LAYERS AND TABLE EGG LAYERS 2014/2015 (MILLIONS)** **TABLE 2**

month	All Layers			Table Egg Layers			
	2014	2015	Change (%)	2013	2014	2015	Change (%)
Jan	359.6	363.7	1.2	298.7	303.4	306.4	1.0
Feb	359.0	362.3	0.9	299.7	302.7	304.8	0.7
Mar	360.0	362.5	0.7	300.4	303.7	304.6	0.3
Apr	360.8	358.4	-0.7	298.1	304.3	300.0	-1.4
May	360.4	341.6	-5.2	296.6	303.6	283.1	-6.8
Jun	359.7	328.7	-8.6	296.9	303.0	270.3	-10.8
Jul	360.8	329.0	-8.8	297.4	304.2	270.9	-10.9
Aug	361.7	330.9	-8.5	299.4	305.4	272.9	-10.6
Sep	361.8	333.6	-7.8	300.1	306.0	275.9	-9.9
Oct	362.0	336.1	-7.2	301.1	306.3	278.4	-9.1
Nov	364.0			304.5	308.1		
Dec	365.7			305.2	309.1		
<b>10 Month Avg.</b>	<b>360.6</b>	<b>344.7</b>	<b>-4.4</b>	<b>298.8</b>	<b>304.3</b>	<b>286.7</b>	<b>-5.8</b>
<b>Annual Avg.</b>	<b>361.3</b>			<b>299.8</b>	<b>305.0</b>		

Source: USDA NASS Chickens and Eggs

Table egg layers as a % of all layers to date (2015): 83.2%

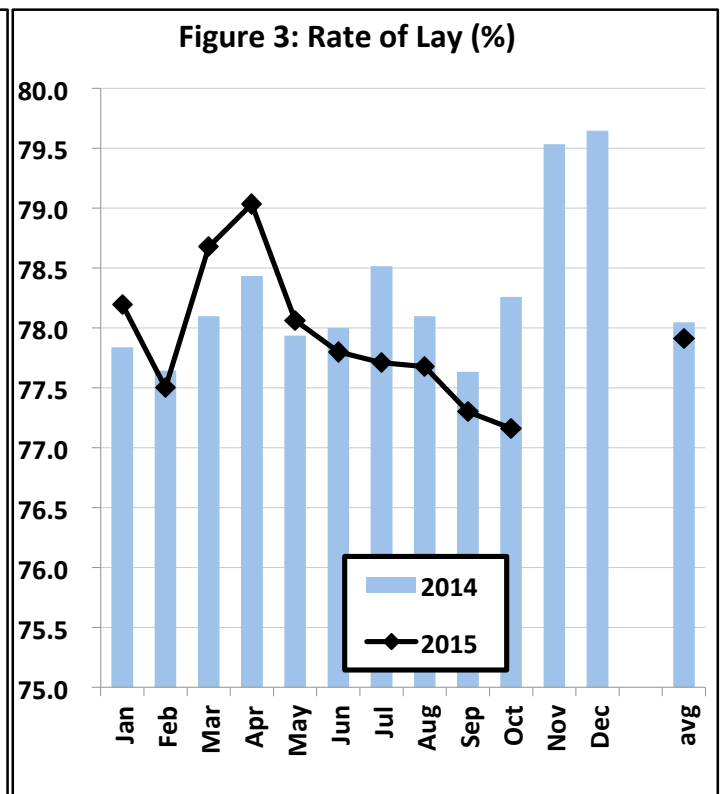
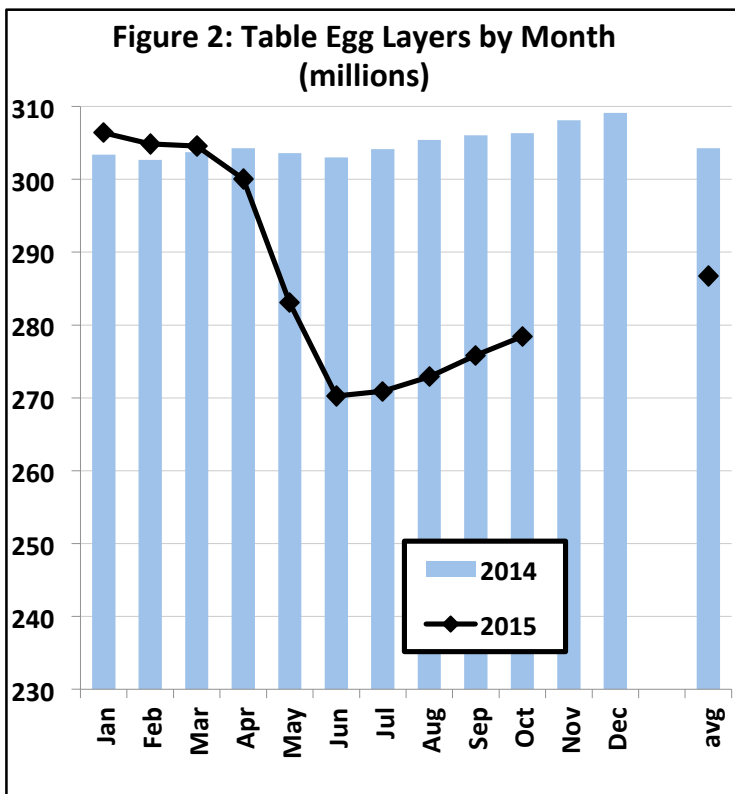


U.S. ALL EGGS, TABLE EGGS AND RATE OF LAY (ALL STATES)

TABLE 3

month	All Eggs (millions)			Table Eggs - human consumption (millions)			Rate of Lay (Table)	
	2014	2015	Change (%)	2014	2015	Change (%)	2014	2015
Jan	8,397	8,540	1.7	7,321	7,428	1.5	77.8	78.2
Feb	7,551	7,620	0.9	6,579	6,615	0.5	77.6	77.5
Mar	8,430	8,548	1.4	7,354	7,429	1.0	78.1	78.7
Apr	8,205	8,209	0.0	7,160	7,113	-0.7	78.4	79.0
May	8,428	7,993	-5.2	7,336	6,851	-6.6	77.9	78.1
Jun	8,151	7,416	-9.0	7,091	6,307	-11.1	78.0	77.8
Jul	8,503	7,674	-9.7	7,404	6,527	-11.8	78.5	77.7
Aug	8,491	7,717	-9.1	7,394	6,571	-11.1	78.1	77.7
Sep	8,186	7,496	-8.4	7,126	6,398	-10.2	77.6	77.3
Oct	8,526	7,788	-8.7	7,433	6,660	-10.4	78.3	77.2
Nov	8,411			7,353			79.5	
Dec	8,731			7,633			79.6	
<b>10 Month Avg.</b>	<b>8,287</b>	<b>7,900</b>	<b>-4.7</b>	<b>7,220</b>	<b>6,790</b>	<b>-6.0</b>	<b>78.0</b>	<b>77.9</b>
<b>Annual Avg.</b>	<b>8,334</b>			<b>7,265</b>			<b>78.3</b>	
<b>Total</b>	<b>100,010</b>	<b>79,001</b>		<b>87,184</b>	<b>67,899</b>			

Source: USDA NASS Chickens and Eggs



SHELL EGGS BROKEN UNDER FEDERAL INSPECTION (MILLION CASES)

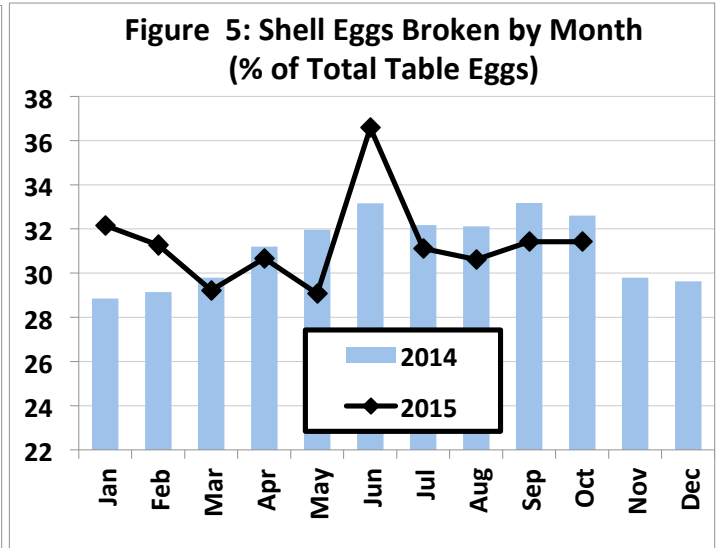
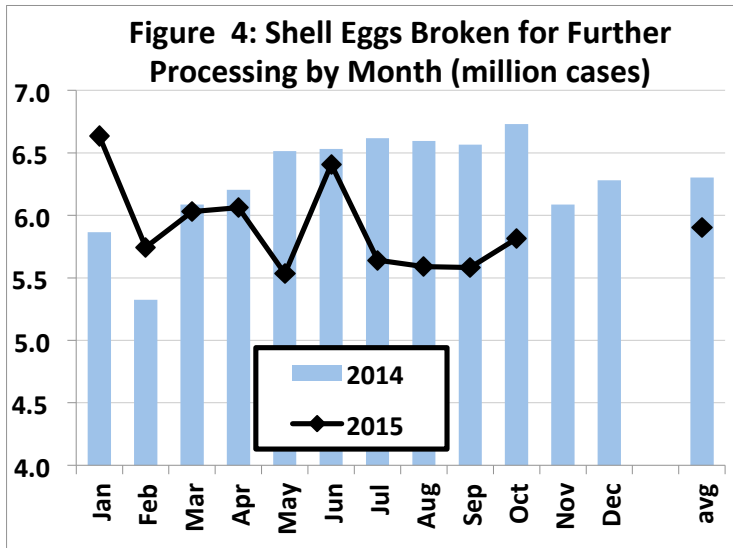
TABLE 4

month	2009	2010	2011	2012	2013	2014	2015	15/14 (%) Change
Jan	5.732	5.268	5.668	5.666	5.765	5.865	6.634	13.1
Feb	5.058	5.013	5.163	5.524	5.374	5.325	5.746	7.9
Mar	5.423	5.504	6.008	5.715	5.831	6.086	6.030	-0.9
Apr	5.900	5.714	5.464	5.634	5.950	6.205	6.061	-2.3
May	5.933	5.727	5.838	6.057	5.820	6.514	5.533	-15.1
Jun	5.612	6.206	6.167	5.955	6.118	6.532	6.408	-1.9
Jul	6.098	5.977	5.988	5.748	6.266	6.618	5.641	-14.8
Aug	5.681	5.884	6.061	6.523	6.200	6.596	5.589	-15.3
Sep	5.974	6.582	5.869	6.005	6.040	6.566	5.583	-15.0
Oct	6.105	5.842	5.805	6.109	6.289	6.731	5.814	-13.6
Nov	5.320	5.445	5.786	5.577	5.738	6.086		
Dec	5.424	5.891	5.615	5.964	5.745	6.281		
<b>10 Month Avg.</b>	5.752	5.772	5.803	5.894	5.965	6.304	5.904	-6.3
<b>10 Month Total</b>	57.516	57.717	58.030	58.936	59.653	63.038	59.039	
<b>12 Month Total</b>	68.260	69.054	69.431	70.477	71.136	75.405		

Source: USDA NASS Egg products - monthly

Million Cases Produced  
% BROKEN

219.144	221.728	228.286	235.956	242.178	188.608
31.5	31.3	30.9	30.1	31.1	31.3



PER CAPITA EGG CONSUMPTION BY QUARTER

TABLE 5

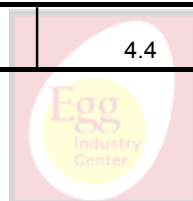
QUARTER	2009	2010	2011	2012	2013	2014	2015*	2016*
1	62.0	61.8	61.3	63.2	64.3	64.7	64.4	62.1
2	61.5	61.9	61.5	62.2	63.4	65.3	61.5	62.4
3	61.4	62.5	62.8	63.3	64.7	66.3	60.4	63.8
4	62.9	63.1	64.3	65.6	66.0	66.7	63.1	
<b>Total</b>	247.7	249.3	249.9	254.3	258.4	263.0	249.3	254.1

Change from previous year (eggs)

1.6	0.6	4.4	4.1	4.6	-13.7	4.8
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Source: USDA ERS Livestock and Meat Trade Data.

\* Estimates for 2015 and 2016 (11/2015)

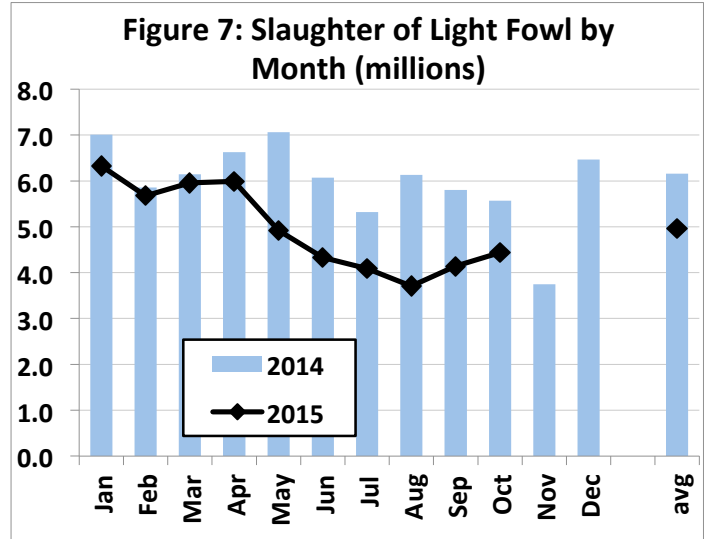
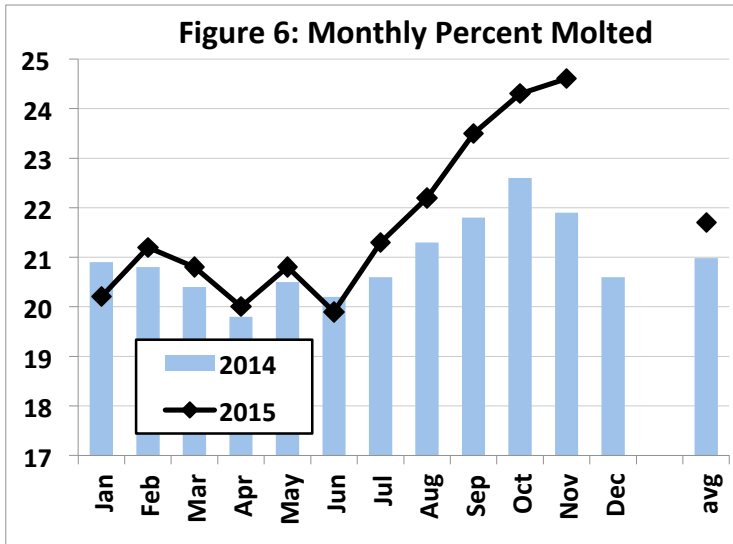


INDUCED MOLT PERCENT - U.S. TOTALS (1ST OF MONTH)

TABLE 6

month	In a Molt			Completed a Molt		Total		
	2014	2015	Change	2014	2015	2014	2015	Change
Jan	2.7	2.1	-0.6	18.2	18.1	20.9	20.2	-0.7
Feb	2.8	3.3	0.5	18.0	17.9	20.8	21.2	0.4
Mar	2.4	1.9	-0.5	18.0	18.9	20.4	20.8	0.4
Apr	1.9	2.0	0.1	17.9	18.0	19.8	20.0	0.2
May	2.8	3.1	0.3	17.7	17.7	20.5	20.8	0.3
Jun	3.0	2.4	-0.6	17.2	17.5	20.2	19.9	-0.3
Jul	2.6	2.9	0.3	18.0	18.4	20.6	21.3	0.7
Aug	3.3	2.7	-0.6	18.0	19.5	21.3	22.2	0.9
Sep	2.9	3.4	0.5	18.9	20.1	21.8	23.5	1.7
Oct	3.3	3.4	0.1	19.3	20.9	22.6	24.3	1.7
Nov	2.0	3.0	1.0	19.9	21.6	21.9	24.6	2.7
Dec	1.3			19.3		20.6		
<b>11 Month Avg.</b>	2.7	2.7	0.0	18.3	19.0	21.0	21.7	0.7
<b>12 Month Avg.</b>	2.6			18.4		21.0		

Source: USDA NASS Chickens and Eggs

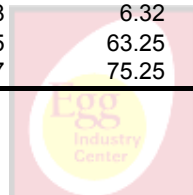


SLAUGHTER OF LIGHT FOWL (MILLIONS)

TABLE 7

month	2009	2010	2011	2012	2013	2014	2015	6 YR (09-14) Month Avg.
Jan	6.33	5.80	5.90	6.98	7.63	7.01	6.33	6.61
Feb	5.36	5.22	5.59	5.57	6.20	5.86	5.68	5.63
Mar	6.32	6.50	6.56	7.15	6.49	6.15	5.96	6.53
Apr	6.58	6.59	5.99	7.95	8.31	6.63	5.99	7.01
May	6.32	5.78	6.42	7.91	7.21	7.06	4.92	6.78
Jun	6.36	5.88	5.30	6.25	5.40	6.07	4.33	5.88
Jul	5.94	5.42	5.00	4.45	5.60	5.32	4.09	5.29
Aug	5.46	5.64	5.85	6.00	6.81	6.13	3.71	5.98
Sep	5.20	6.12	5.68	5.39	5.50	5.80	4.14	5.61
Oct	5.85	5.01	5.56	5.60	5.73	5.57	4.44	5.55
Nov	4.44	4.07	4.92	5.12	3.59	3.75		4.31
Dec	5.53	5.63	5.60	6.89	6.45	6.47		6.09
<b>10 Month Avg.</b>	5.97	5.80	5.78	6.32	6.49	6.16	4.96	6.09
<b>10 Month Total</b>	59.71	57.96	57.85	63.25	64.89	61.59	49.58	60.87
<b>12 Month Total</b>	69.68	67.66	68.37	75.25	74.92	71.80		71.28

Source USDA NASS Poultry Slaughter



EXPORT OF TABLE EGGS IN THE SHELL IN 2015 (Thousand cases- 30 doz)

TABLE 8

Month \ To	North America	Central America	Caribbean	European Union-28	East Asia	Southeast Asia	Middle East	Total 2015	Total 2014	% of U.S. Production
Jan	300.6	0.0	17.8	9.1	126.0	0.3	8.8	468.2	293.2	2.27
Feb	356.7	0.0	22.5	6.4	92.7	0.0	6.8	491.3	361.9	2.67
Mar	401.9	0.0	9.6	4.9	97.4	0.0	7.2	525.8	351.7	2.55
Apr	426.1	0.0	10.4	1.8	92.4	0.0	3.8	540.0	414.0	2.73
May	258.8	0.0	6.2	0.1	80.4	0.0	2.3	352.5	546.2	1.85
Jun	268.0	0.0	10.0	0.1	40.8	0.0	0.0	322.4	418.7	1.84
Jul	254.2	0.0	8.0	0.3	57.7	0.0	0.0	321.8	584.5	1.78
Aug	351.9	0.0	14.2	0.1	53.6	0.0	0.0	421.7	543.5	2.31
Sep	230.9	0.3	11.5	0.1	57.5	0.0	0.0	305.7	452.4	1.72
Oct	244.6	0.0	10.1	0.0	68.3	0.0	0.0	328.1	612.3	1.77
Nov									616.7	
Dec									974.5	
<b>10 Mo. Total</b>	<b>3,093.5</b>	<b>0.3</b>	<b>120.2</b>	<b>22.9</b>	<b>766.8</b>	<b>0.3</b>	<b>28.9</b>	<b>4,077.4</b>	<b>4,578.3</b>	<b>2.15</b>
<b>%</b>	<b>75.9</b>	<b>0.0</b>	<b>2.9</b>	<b>0.6</b>	<b>18.8</b>	<b>0.0</b>	<b>0.7</b>			

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

EXPORT OF EGG PRODUCTS IN 2015 (EQUIVALENT: thousand cases- 30 doz)

TABLE 9

Month \ To	North America	Central America	Caribbean	European Union-28	East Asia	Southeast Asia	Middle East	Total 2015	Total 2014	% of U.S. Production
Jan	208.0	8.8	6.5	118.0	132.6	14.0	8.3	517.3	516.4	2.51
Feb	194.9	8.0	5.5	58.0	114.9	11.9	2.9	436.1	518.2	2.37
Mar	184.4	27.0	10.2	96.4	110.9	13.3	13.4	463.9	504.8	2.25
Apr	209.6	9.4	6.1	36.1	124.2	5.1	3.8	402.1	488.7	2.04
May	153.5	2.4	5.3	43.6	119.6	24.9	9.6	385.0	428.7	2.02
Jun	94.5	6.0	2.3	29.1	48.0	11.9	0.7	194.7	519.6	1.11
Jul	88.5	3.9	2.8	21.4	38.9	12.8	14.1	194.3	396.5	1.07
Aug	148.6	2.1	9.3	40.0	42.4	8.5	0.2	254.1	472.9	1.39
Sep	204.8	5.3	2.4	6.0	59.5	15.9	0.0	297.5	514.7	1.67
Oct	88.3	1.1	6.6	30.8	83.4	0.5	0.0	211.7	516.4	1.14
Nov									425.4	
Dec									582.5	
<b>10 Mo. Total</b>	<b>1,575.2</b>	<b>74.0</b>	<b>57.1</b>	<b>479.4</b>	<b>874.4</b>	<b>118.7</b>	<b>53.1</b>	<b>3,356.7</b>	<b>4,876.9</b>	<b>1.76</b>
<b>%</b>	<b>46.9</b>	<b>2.2</b>	<b>1.7</b>	<b>14.3</b>	<b>26.1</b>	<b>3.5</b>	<b>1.6</b>			

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.

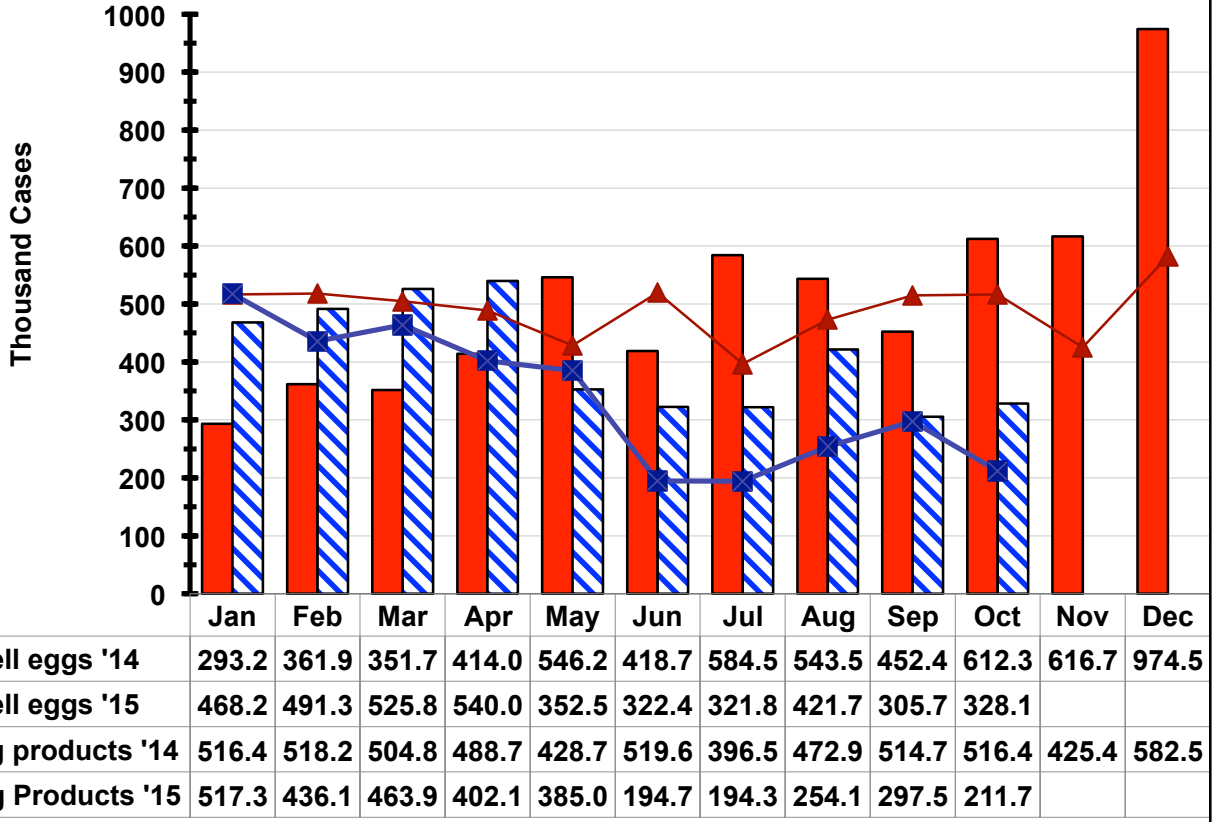
TOTAL EGGS EXPORTED - 2015

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	20,633		468.2	2.27	517.3	2.51	985.4	4.78
Feb	18,375		491.3	2.67	436.1	2.37	927.4	5.05
Mar	20,636		525.8	2.55	463.9	2.25	989.7	4.80
Apr	19,758		540.0	2.73	402.1	2.04	942.1	4.77
May	19,031		352.5	1.85	385.0	2.02	737.5	3.88
Jun	17,519		322.4	1.84	194.7	1.11	517.1	2.95
Jul	18,131		321.8	1.78	194.3	1.07	516.1	2.85
Aug	18,253		421.7	2.31	254.1	1.39	675.8	3.70
Sep	17,772		305.7	1.72	297.5	1.67	603.2	3.39
Oct	18,500		328.1	1.77	211.7	1.14	539.8	2.92
Nov								
Dec								
<b>Total/Av</b>	<b>188,608</b>		<b>4,077.4</b>	<b>2.16</b>	<b>3,356.7</b>	<b>1.78</b>	<b>7,434.1</b>	<b>3.94</b>

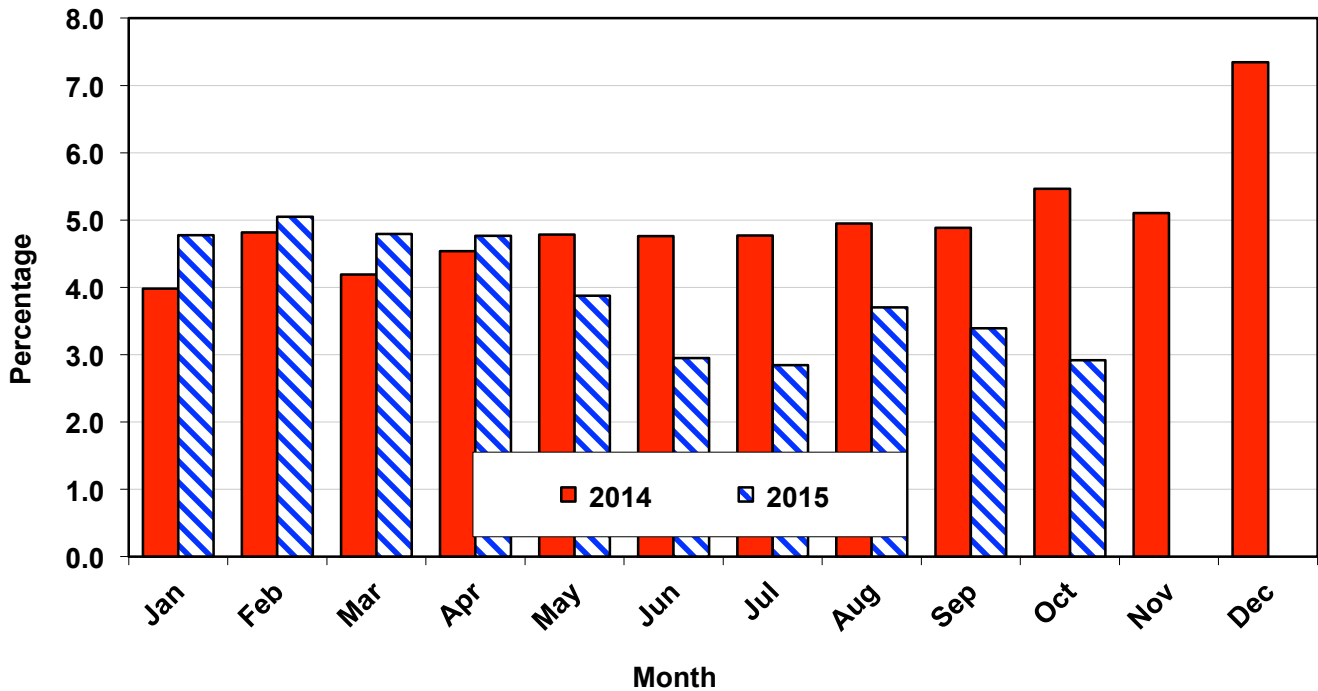


**Figure 8: U.S. Egg Exports by Month - 2014 and 2015**



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 - 2014 and 2015  
(percentage of eggs produced)**



ALL EGGS PRODUCED, INCLUDING HATCHING EGGS, BY REGION (Million) - 2015

TABLE 11

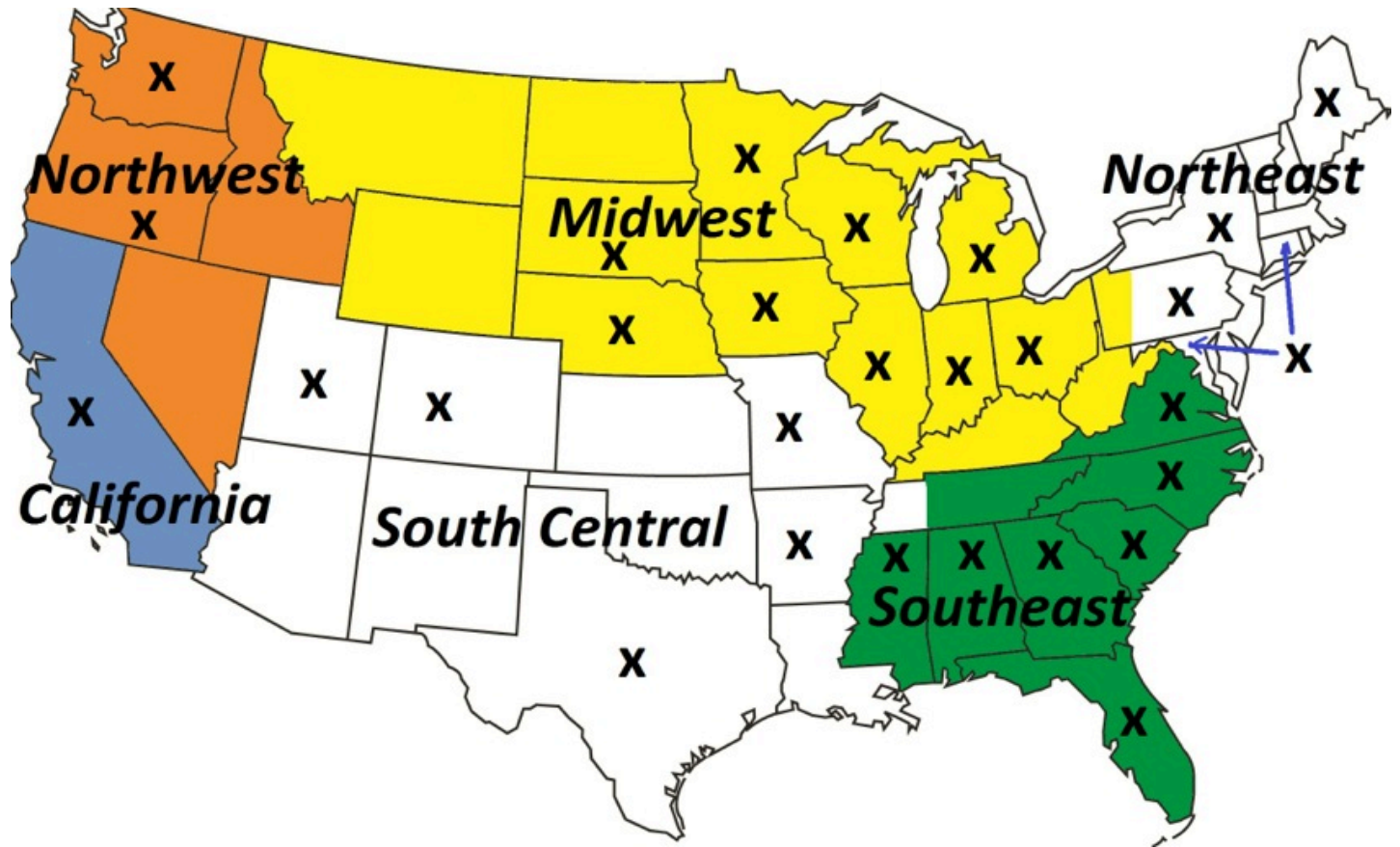
month	Northeast*	Southeast	South Central	Midwest	Northwest	California	U.S. Total
Jan	1,002	1,395	1,006	3,969	242	313	8,540
Feb	894	1,253	897	3,535	213	287	7,620
Mar	859	1,410	1,022	3,959	240	320	8,548
Apr	827	1,348	998	3,776	232	311	8,209
May	838	1,379	1,013	3,466	232	323	7,993
Jun	810	1,347	971	3,028	231	305	7,416
Jul	839	1,390	1,020	3,115	245	310	7,674
Aug	844	1,388	1,031	3,143	245	314	7,717
Sep	820	1,357	982	3,067	234	309	7,496
Oct	843	1,410	1,009	3,220	241	318	7,788
Nov							
Dec							
<b>10 Month Avg.</b>	858	1,368	995	3,428	236	311	7,900
<b>% of total</b>	10.9	17.3	12.6	43.4	3.0	3.9	

Source: USDA NASS Chickens and Eggs

Note: All States are not represented (see map below)

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

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

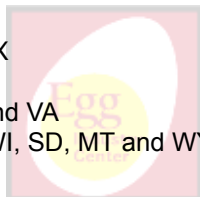
South Central is the sum of AR, UT, CO, MO and TX

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) - 2015**

**TABLE 12**

month	Northeast*	Southeast	South Central	Midwest	Northwest	California	U.S. Total
Jan	39.9	64.7	45.1	164.5	9.7	13.4	363.7
Feb	39.5	64.6	44.7	164.2	9.6	13.3	362.3
Mar	33.3	65.2	45.0	164.0	9.6	13.2	362.5
Apr	32.9	64.9	45.4	160.4	9.4	13.2	358.4
May	32.8	64.4	45.1	144.6	9.2	13.3	341.6
Jun	33.1	64.7	44.8	130.5	9.6	13.5	328.7
Jul	33.3	64.6	45.3	130.0	9.8	13.5	329.0
Aug	33.5	64.3	46.1	131.7	9.5	13.4	330.9
Sep	33.7	64.6	46.3	133.5	9.4	13.5	333.6
Oct	33.6	65.2	46.0	135.4	9.5	13.7	336.1
Nov							
Dec							
<b>10 Month Avg.</b>	34.6	64.7	45.4	145.9	9.5	13.4	344.7
<b>% of total</b>	10.0	18.8	13.2	42.3	2.8	3.9	

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

**TABLE EGG LAYERS IN FLOCKS OF 30,000 AND ABOVE BY REGION (Million) - 2015**

**TABLE 13**

month	Northeast*	Southeast	South Central	Midwest	Northwest	California	U.S. Total
Jan	37.1	32.8	29.3	159.3	9.4	12.9	298.3
Feb	36.7	32.6	28.9	159.1	9.3	12.8	296.8
Mar	30.7	32.9	29.1	158.8	9.3	12.7	296.5
Apr	30.4	32.2	29.4	155.2	9.1	12.7	292.0
May	30.3	31.4	29.0	139.5	8.9	12.8	275.0
Jun	30.7	31.9	28.8	125.3	9.3	13.0	262.2
Jul	30.8	32.2	29.2	124.9	9.5	13.0	262.8
Aug	31.1	32.1	29.9	126.6	9.2	12.9	264.8
Sep	31.3	32.4	30.3	128.4	9.1	12.9	267.8
Oct	31.1	33.0	30.1	130.2	9.2	13.2	270.3
Nov							
Dec							
<b>10 Month Avg.</b>	32.0	32.3	29.4	140.7	9.2	12.9	278.6
<b>% of total</b>	11.5	11.6	10.6	50.5	3.3	4.6	
<b>Table/total layers (%)</b>	92.7%	50.0%	64.8%	96.5%	96.8%	96.2%	80.8%

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, %) - 2015**

month	Northeast*	Southeast	South Central	Midwest	Northwest	California	5 regions
Jan	3.0	19.0	21.5	18.9	24.5	34.5	20.2
Feb	4.0	21.6	23.5	18.9	21.3	33.0	20.4
Mar	3.5	19.9	22.0	18.8	23.3	35.0	20.4
Apr	4.4	18.1	20.6	18.1	24.3	33.0	19.7
May	1.1	19.1	20.1	21.2	24.5	36.0	20.3
Jun	2.8	18.4	20.4	20.2	24.3	33.5	19.9
Jul	3.1	20.0	21.5	18.4	22.5	32.5	19.7
Aug	3.9	21.7	21.9	18.9	23.3	36.0	20.9
Sep	3.0	22.9	24.0	21.7	23.3	32.5	21.2
Oct	3.1	23.7	28.6	23.3	21.8	30.0	21.7
Nov	2.1	25.1	29.0	22.7	21.5	29.0	21.6
Dec							
<b>11 Month Avg.</b>	3.1	20.9	23.0	20.1	23.1	33.2	20.6
<b>year 2014 avg.</b>	6.5	17.0	20.7	20.0	30.7	30.7	19.0

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

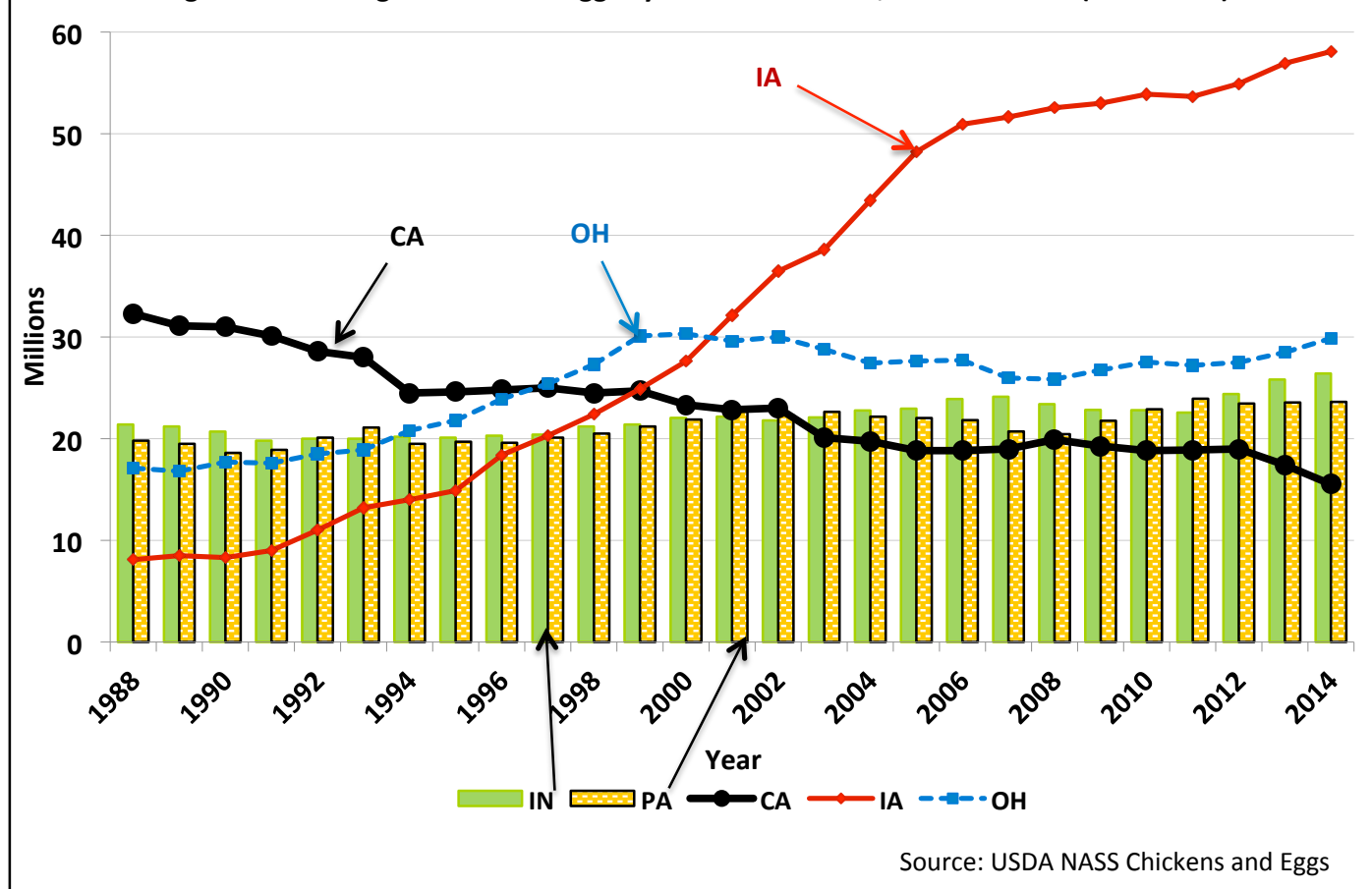
Note: average molt is estimated as the simple average of the reported States

TABLE EGG LAYERS IN LEADING STATES - (LAYERS IN 30,000+ HEN FLOCKS) - 2015

TABLE 15

month	IA	OH	IN	PA	CA	TX	U.S.
Oct-2014	58.52	30.33	26.23	23.85	15.03	15.08	298.34
			(Millions)				
Jan-2015	58.49	29.69	25.89	23.99	12.88	14.89	298.32
Feb-2015	58.33	29.94	25.74	23.66	12.84	14.76	296.76
Mar-2015	58.23	30.28	25.42	23.62	12.72	14.79	296.51
Apr-2015	54.88	30.83	25.20	23.56	12.73	14.85	291.96
May-2015	43.01	30.82	25.56	23.40	12.77	14.93	274.99
Jun-2015	33.24	30.53	25.67	23.63	12.95	15.04	262.18
Jul-2015	32.45	30.93	25.92	23.73	13.04	15.36	262.83
Aug-2015	32.60	30.83	26.90	23.75	12.92	15.61	264.83
Sep-2015	32.93	30.72	27.98	23.92	12.94	15.64	267.78
Oct-2015	33.37	31.04	28.26	23.74	13.20	15.73	270.34
Nov-2015							
Dec-2015							
<b>10 Month Avg.</b>	<b>43.75</b>	<b>30.56</b>	<b>26.25</b>	<b>23.70</b>	<b>12.90</b>	<b>15.16</b>	<b>278.65</b>
Source: USDA NASS Chickens and Eggs	% of all U.S. table egg layers						<b>97.2</b>

Figure 10: Leading States' Table Egg Layers in Flocks of 30,000 and Above (1988-2014)



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	
Jun	2.910	2.996	2.657	2.745	2.476	2.664	
Jul	2.999	2.883	2.672	2.579	2.540	2.682	
Aug	3.010	2.848	2.731	2.613	2.536	2.689	
Sep	3.019	2.877	2.732	2.630	2.472	2.605	
Oct	3.023	2.779	2.819	2.588	2.530	2.718	
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	
<b>4 month avg.</b>	2.744	3.089	2.680	2.798	2.480	2.576	2.853
<b>12 month avg.</b>	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	17.3	17.5	18.0	21.1	17.6
Feb	18.1	18.0	17.3	19.0	19.7	22.1	18.4
Mar	18.6	17.0	17.1	19.2	20.1	22.6	18.4
Apr	17.5	16.9	16.5	18.9	16.5		17.3
May	17.0	17.6	18.5	18.6	18.2		18.0
Jun	18.3	18.6	19.8	20.1	18.7		19.1
Jul	16.9	18.3	19.1	18.5	18.2		18.2
Aug	19.7	19.4	19.7	20.0	21.4		20.0
Sep	19.4	19.5	20.8	20.6	21.2		20.3
Oct	19.4	20.1	22.6	22.2	21.5		21.2
Nov	17.6	17.5	19.1	19.9	21.1		19.0
Dec	16.7	16.2	18.0	19.1	19.2		17.8
<b>3 month avg.</b>	17.8	17.9	17.2	18.6	19.3	21.9	18.1
<b>Annual Avg.</b>	18.0	18.2	18.8	19.5	19.5		18.8
<b>Total</b>	215.9	217.9	225.6	233.4	233.9		225.3

Source: USDA NASS Chickens and Eggs

% Change to date

13.92

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)

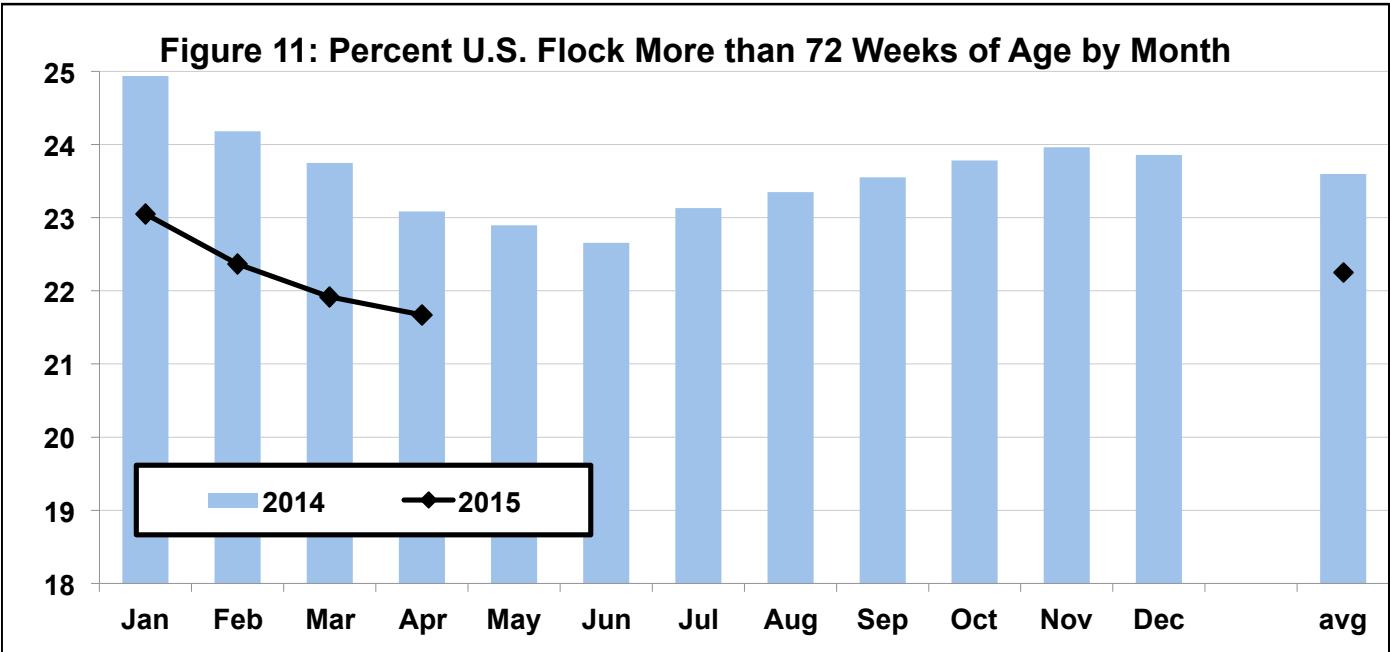
TABLE 18

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	
<b>4 month avg.</b>	218.6	221.8	232.8	237.8			
<b>4 month avg.</b>					26.6	24.0	22.3
<b>12 month avg.</b>	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	Actual	Actual	Actual	Actual	Actual	Actual	Projected
2015	2015	2015	2015	2015	2015	2015	2015	2015	2015	2015	2015
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
308.2	304.6	305.1	304.1	296.0	270.2	270.3	271.5	274.4	277.3	279.5	285.6

Project. Year end: **Dec, 2015 - 287.4**

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) - 2015 (Millions)**

**TABLE 20**

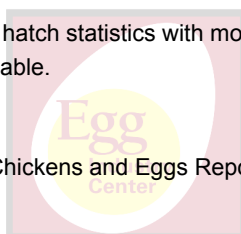
Projected on Jan. 27, 2015 (EIC). Not changed during the year.

Month	Beginning count		Replacements		Slaughter	
	Projected	Actual	Projected	Actual	Projected	Actual
Jan	304.8	308.2	17.8	18.0	6.7	6.3
Feb	303.0	304.6	19.5	19.7	5.7	5.7
Mar	304.1	305.1	20.0	20.1	6.7	6.0
Apr	306.1	304.1	16.5	16.5	7.0	6.0
May	302.2	296.0	19.4	18.2	6.9	4.9
Jun	302.3	270.2	19.4	18.7	6.4	4.3
Jul	301.8	270.3	18.6	18.2	5.6	4.1
Aug	302.3	271.5	20.7	21.4	6.2	3.7
Sep	304.2	274.4	20.7	21.2	5.8	4.1
Oct	304.9	277.3	21.1	21.5	5.8	4.4
Nov	307.3	279.5	19.8	21.1	4.8	
Dec	310.6		18.2	19.2	6.3	
<b>Current avg</b>	<b>303.9</b>	<b>287.4</b>	<b>19.3</b>	<b>19.5</b>	<b>6.3</b>	<b>5.0</b>

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 and before the avian influenza outbreak.



2015 United States Flock Size Projections

Table 22

For November 2015

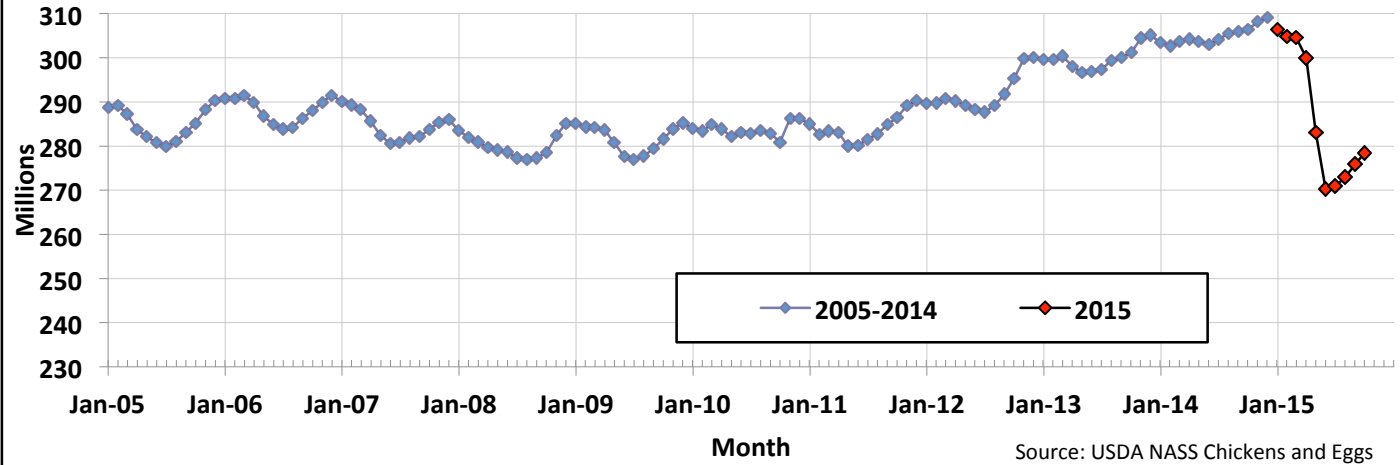
Estimated For Month	Estimated: 2014	Month Number of Layers Projected for 2015/2016												
		2015 Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	
Jan-15	306.2	304.8	308.2	304.6	305.1	304.1	296.0	270.6	270.2	270.3	271.5	274.4	277.3	
Feb-15	304.4	302.9	304.7	304.7	303.1	304.1	296.0	270.6	270.2	270.3	271.5	274.4	277.3	
Mar-15	305.3	304.4	305.9	304.7	305.1	304.1	296.0	270.6	270.2	270.3	271.5	274.4	277.3	
Apr-15	306.9	306.2	307.8	306.7	303.1	304.1	296.0	270.6	270.2	270.3	271.5	274.4	277.3	
May-15	302.9	302.1	303.9	302.9	*	295.9	296.0	270.6	270.2	270.3	271.5	274.4	277.3	
Jun-15	301.9	301.9	303.9	303.0	*	295.9	296.0	270.6	270.2	270.3	271.5	274.4	277.3	
Jul-15	301.5	301.5	303.9	303.2	*	295.9	296.0	270.6	270.2	270.3	271.5	274.4	277.3	
Aug-15	301.9	301.9	304.4	304.7	*	295.9	296.0	270.6	270.2	270.3	271.5	274.4	277.3	
Sep-15	303.8	303.9	306.3	306.6	*	295.9	296.0	270.6	270.2	270.3	271.5	274.4	277.3	
Oct-15	304.7	304.7	307.0	307.3	*	295.9	296.0	270.6	270.2	270.3	271.5	274.4	277.3	
Nov-15	307.1	307.1	309.5	309.7	*	295.9	296.0	270.6	270.2	270.3	271.5	274.4	277.3	
Dec-15	310.1	310.9	312.9	313.2	*	295.9	296.0	270.6	270.2	270.3	271.5	274.4	277.3	
Jan-16		309.9	312.4	312.6	*	295.9	296.0	270.6	270.2	270.3	271.5	274.4	277.3	
Feb-16		308.7	311.4	311.7	*	295.9	296.0	270.6	270.2	270.3	271.5	274.4	277.3	
Mar-16		309.1	311.6	311.9	*	295.9	296.0	270.6	270.2	270.3	271.5	274.4	277.3	
Apr-16		309.3	312.0	312.3	*	295.9	296.0	270.6	270.2	270.3	271.5	274.4	277.3	
May-16		306.6	309.3	309.6	*	295.9	296.0	270.6	270.2	270.3	271.5	274.4	277.3	
Jun-16		305.3	308.2	308.5	*	295.9	296.0	270.6	270.2	270.3	271.5	274.4	277.3	
Jul-16		304.8	307.8	308.1	*	295.9	296.0	270.6	270.2	270.3	271.5	274.4	277.3	
Aug-16		305.2	308.3	308.6	*	295.9	296.0	270.6	270.2	270.3	271.5	274.4	277.3	
Sep-16		307.2	310.3	310.5	*	295.9	296.0	270.6	270.2	270.3	271.5	274.4	277.3	
Oct-16		308.0	311.0	311.3	*	295.9	296.0	270.6	270.2	270.3	271.5	274.4	277.3	
Nov-16		310.5	313.5	313.7	*	295.9	296.0	270.6	270.2	270.3	271.5	274.4	277.3	
Dec-16		314.3	317.0	317.2	*	295.9	296.0	270.6	270.2	270.3	271.5	274.4	277.3	

THIS IS A NEW PAGE TO VISUALIZE CHANGES IN FLOCK PROJECTIONS AS THE YEAR EVOLVES  
 \* Note: projection cancelled temporarily because of the avian influenza outbreak





**Figure 12: U.S. Monthly Table-Egg Layers (2005-2015)**



**Figure 13: U.S. Table Eggs per Hundred Hens per Day by Month (2005-2015)**

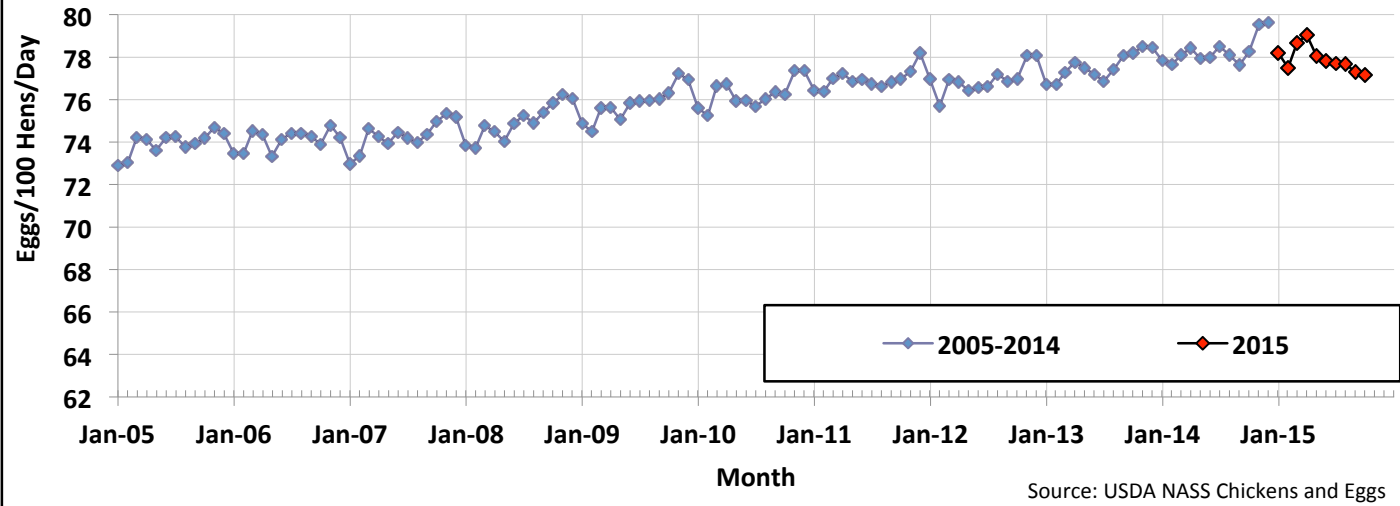


Figure 14: Monthly Percent of U.S. Flock Molted (2005-2015)

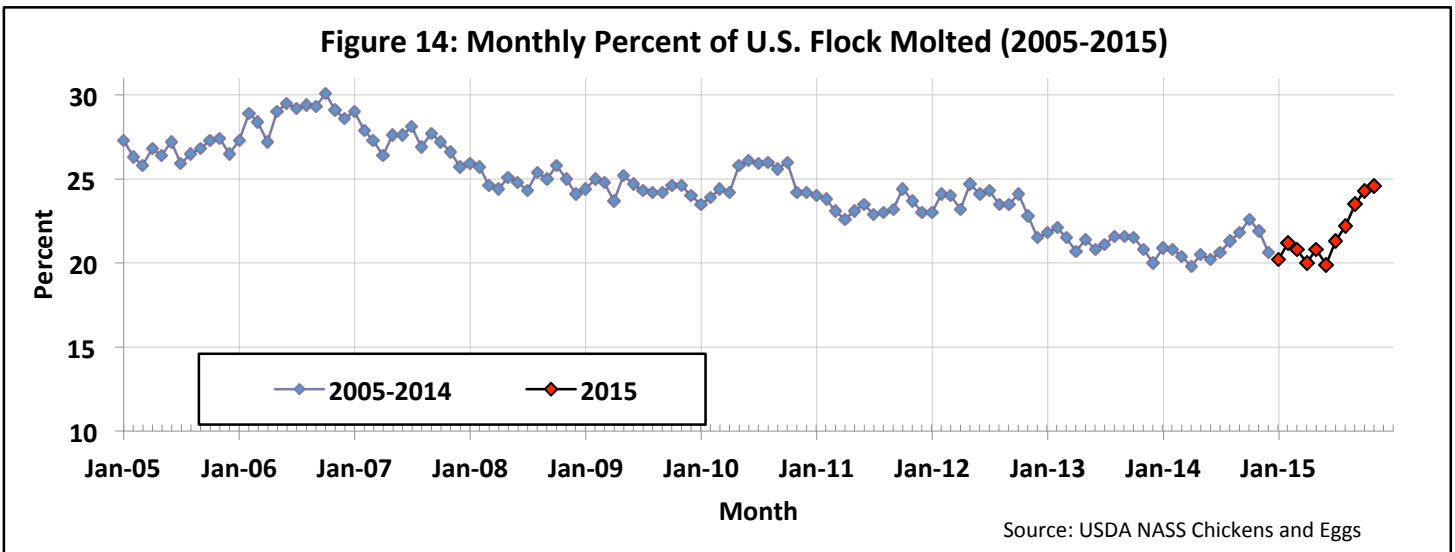
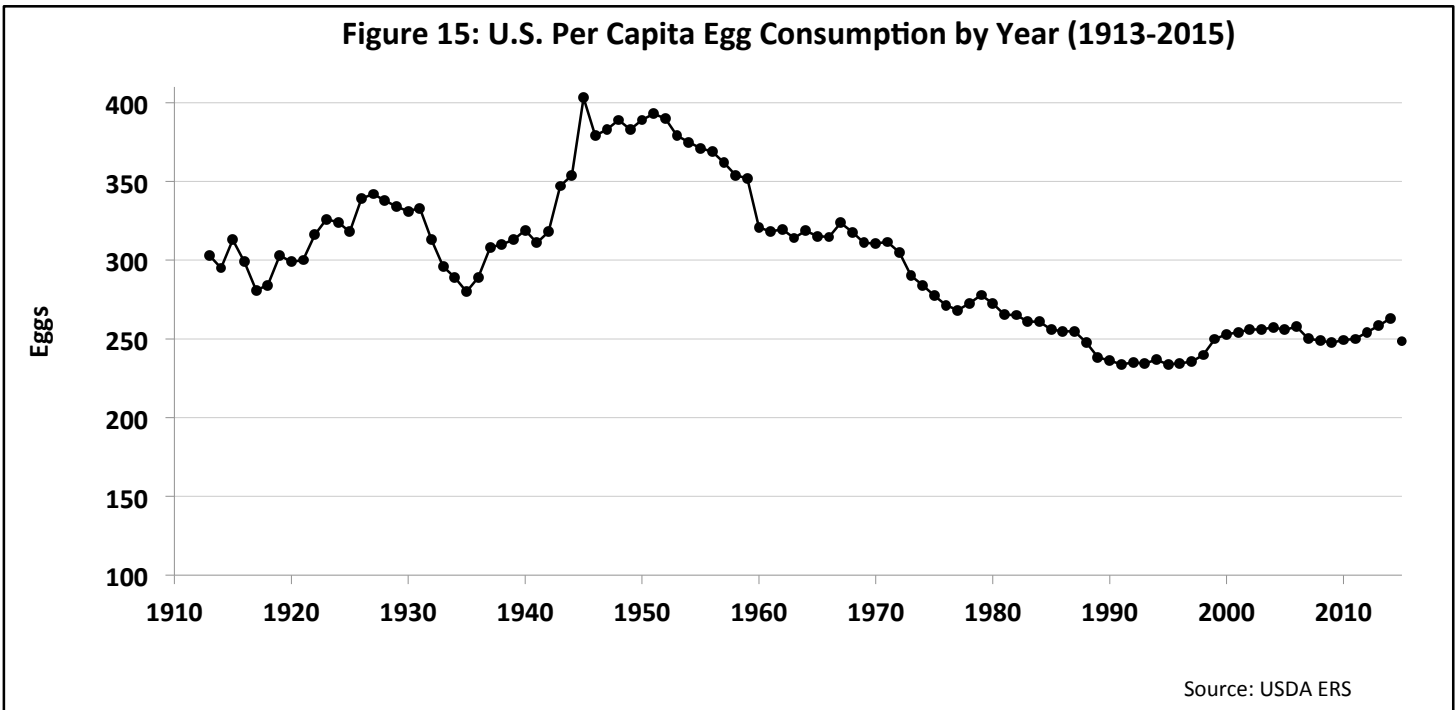


Figure 15: U.S. Per Capita Egg Consumption by Year (1913-2015)



**SUMMARY TO DATE**

**Table 23**

		2014	2015	% Change
HATCH of EGG-TYPE STRAIGHT RUN (THOUSANDS) (U.S.) (Total)	Jan to Oct	438,822	469,852	7.1
TABLE-EGG LAYERS (MILLIONS) (U.S.) (Avg.)	Jan to Oct	304.3	286.7	-5.8
TABLE EGGS (MILLIONS/MONTH) (U.S.) (Avg.)	Jan to Oct	7,220	6,790	-6.0
RATE OF LAY (%) (Avg.)	Jan to Oct	78.0	77.9	-0.1
U.S. TABLE EGG AVG. CASES/WEEK (THOUSANDS)	Jan to Oct	1,662	1,563	-6.0
AVG MONTHLY CASES OF EGGS BROKEN (MILLION) (U.S.)	Jan to Oct	6.304	5.904	-6.3
		<b>2013</b>	<b>2014</b>	<b>Difference</b>
PERCENT OF U.S. FLOCK IN or POST MOLT (Avg.)	Jan to Nov	21.0	21.7	0.7
AVVERAGE PULLETS ADDED/MONTH (MILLIONS) (U.S.)	Jan to Mar 2016	19.3	21.9	2.7

Note: U.S. layer numbers and egg prices are projected 12-months into the future in other reports published by the Egg Industry Center. 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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Don -  
Thank you for all your contributions to  
this industry. You will be forever missed.  
Your friends at EIC