

U.S. Flock Trends and Projections

April 10, 2016



Compiled by
Maro Ibarburu

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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 February hatch (straight-run chicks) was 17.1% higher than in 2015. This projects forward to a 24.3 million pullet placement for July of 2016 which is 4.0 million larger than July of 2015 placement (20.3).
- * Current (February average, 2016) U.S. table egg layer number (297.2 million) is 10.9 million smaller than last year's number at this time (308.1 million), and up 4.1 million compared to last month (293.1 million).
- * In February, Iowa led the nation with 43.8 million laying hens compared to 32.3 million in Ohio, 28.7 million in Indiana, and 23.8 million in Pennsylvania. California (with 11.8 million layers) lost it's 5th position to Texas with 16.5 million layers.
- * The February U.S. rate of lay was estimated to be 78.0% which is 0.5% higher than February 2015 level. The total number of table eggs produced in February 2016 was 0.6% higher than the February 2015 production, but this year February has 1 extra day.
- * The February 2016 number of eggs exported was 50% lower than last year (February 2015) and 4% higher than last month (January 2016). The February exports represented 2.4% of the number of eggs produced.
- * Shell eggs broken for products in February 2016 totaled 5.484 million cases, 4.5% less than in February 2015 (5.746 million cases), but this year February has 1 extra day.
- * The egg-type hatchery supply flock is projected to be 12% higher in Jan-Aug 2016 than in Jan-Aug 2015 (table 16).

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

	2014	2015	% Change
Hatch - Egg-Type Straight Run (thousands) (U.S.)	43,091	50,455	17.1
Table Egg Layers (millions) (U.S.)	308.1	297.2	-3.5
Rate of lay (percent)	77.5	74.8	-2.7
Molting (March 1, 2016) (percent in + out of a molt)	20.4	22.3	9.3

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	319.5*

* estimated value

SPECIAL NOTE:

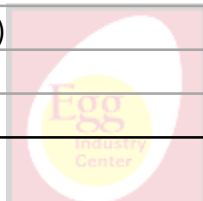
USDA NASS made some adjustments to their final estimates for the period between December 2013 and January 2016. Therefore some of the figures are different than in the previous report.
Also, data for the previous month may be changed by the USDA to reflect updates following late submissions by responders.



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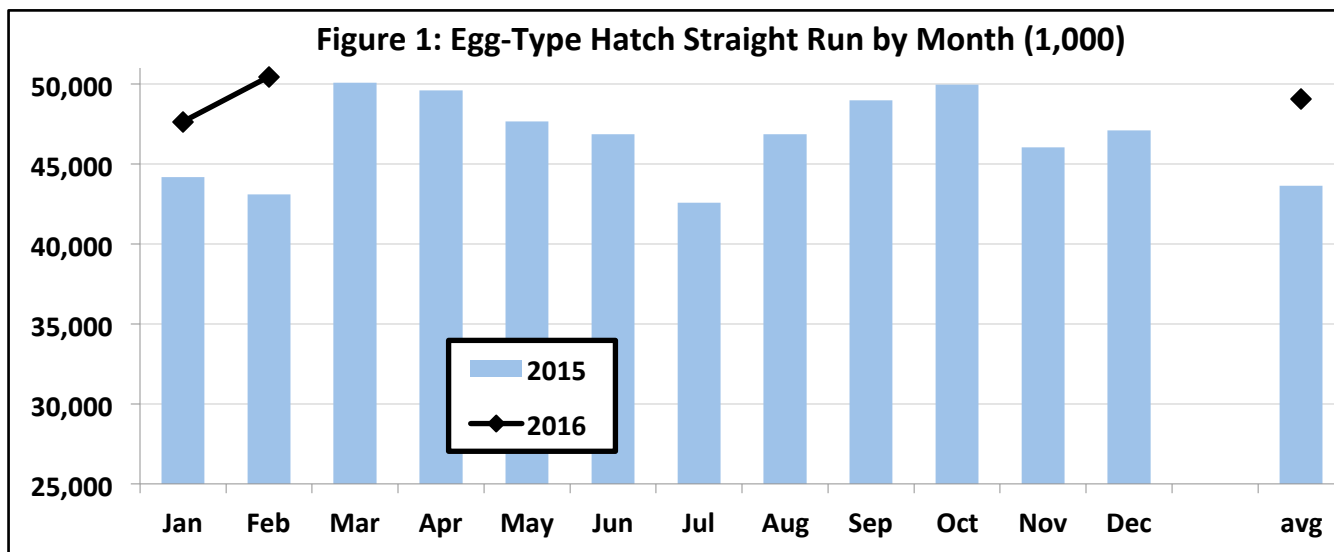
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EGG TYPE: EGGS IN INCUBATORS (on the 1st of the month) and STRAIGHT RUN HATCH (U.S.) **TABLE 1**

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	44,174	47,645	7.9
Feb	40,464	47,942	18.5	Feb	43,091	50,455	17.1
Mar	46,064	51,145	11.0	Mar	50,077		
Apr	49,281			Apr	49,595		
May	47,700			May	47,652		
Jun	47,552			Jun	46,868		
Jul	43,666			Jul	42,582		
Aug	45,286			Aug	46,863		
Sep	47,196			Sep	48,972		
Oct	49,844			Oct	49,953		
Nov	47,158			Nov	46,038		
Dec	48,314			Dec	47,103		
3 Month Avg.	42,922	49,023	14.2	2 Month Avg.	43,633	49,050	12.4
3 Month Total	128,765	147,068		2 Month Total	87,265	98,100	
12 Month Total	554,762			12 Month Total	562,968		

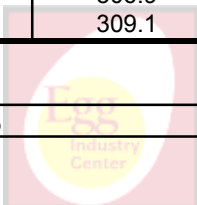
Source: USDA NASS Chickens and Eggs

Figure 1: Egg-Type Hatch Straight Run by Month (1,000)**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	355.7	-2.7	306.7	308.1	297.2	-3.5
Mar	366.0			307.7	308.1		
Apr	362.0			308.3	303.6		
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		
2 Month Avg.	366.1	353.5	-3.4	306.9	308.8	295.1	-4.4
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): 83.5%



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	8,613	8,161	-5.2	7,504	7,024	-6.4	78.2	77.3
Feb	7,688	7,790	1.3	6,685	6,726	0.6	77.5	78.0
Mar	8,635			7,517			78.7	
Apr	8,294			7,198			79.0	
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	
2 Month Avg.	8,151	7,976	-2.1	7,095	6,875	-3.1	77.9	77.7
Annual Avg.	7,977			6,867			77.9	
Total	95,727	15,951		82,404	13,750			

Source: USDA NASS Chickens and Eggs

Figure 2: Table Egg Layers by Month (millions)

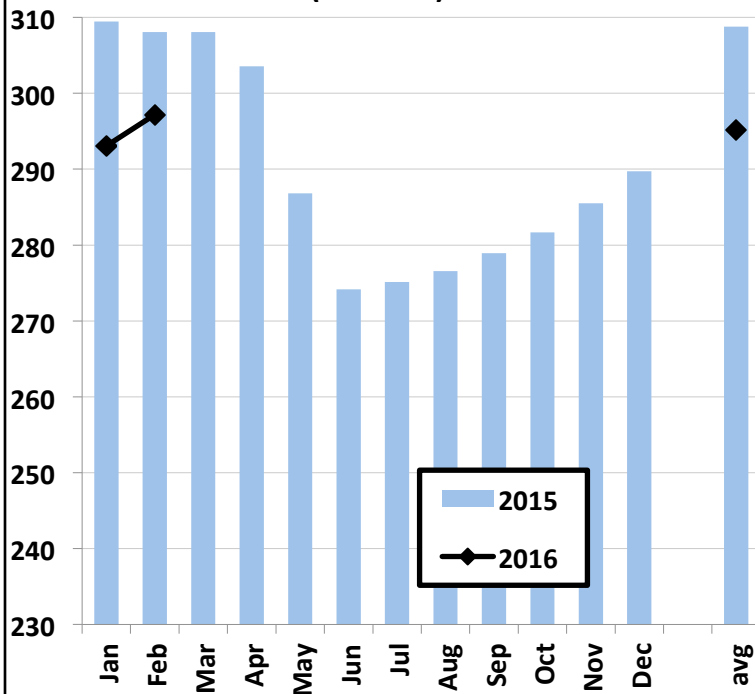
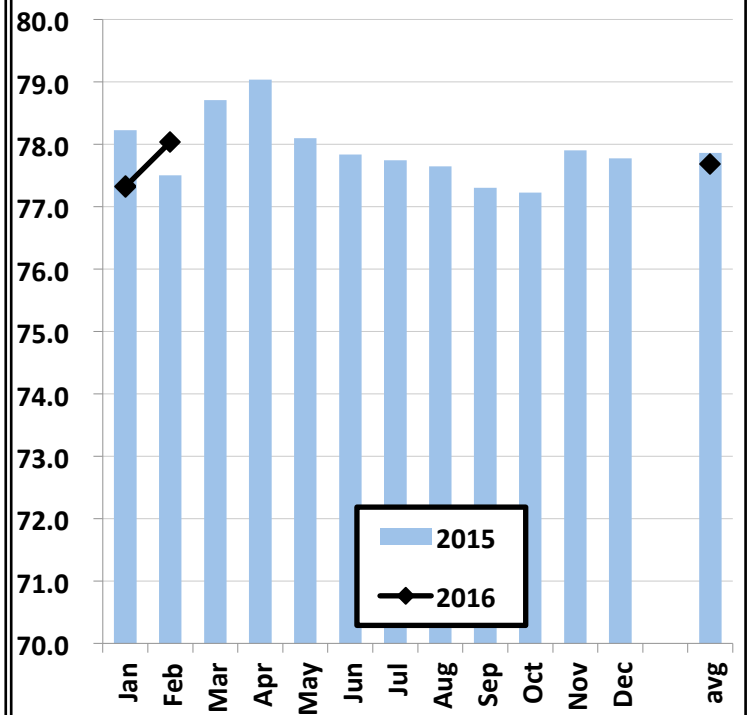


Figure 3: Rate of Lay (%)



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		
Apr	5.714	5.464	5.634	5.950	6.205	6.061		
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		
2 Month Avg.	5.141	5.416	5.595	5.569	5.595	6.190	5.562	-10.1
2 Month Total	10.281	10.832	11.190	11.139	11.191	12.380	11.123	
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	245.472	228.900	38.194
31.3	30.9	30.1	30.7	30.6	29.1

Figure 4: Shell Eggs Broken for Further Processing by Month (million cases)

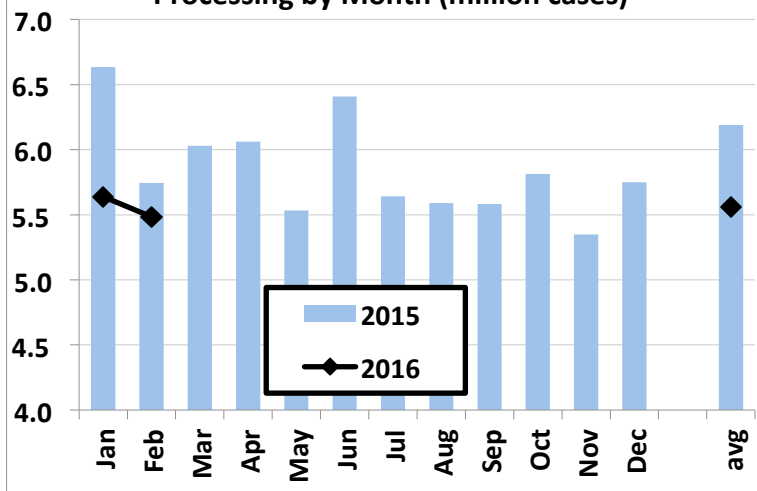
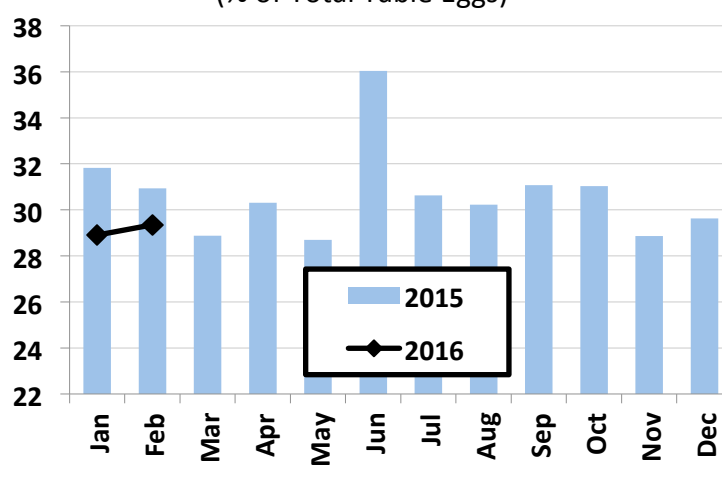


Figure 5: Shell Eggs Broken by Month (% of Total Table Eggs)



PER CAPITA EGG CONSUMPTION BY QUARTER

TABLE 5

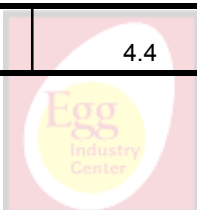
QUARTER	2009	2010	2011	2012	2013	2014	2015	2016*
1	62.0	61.8	61.3	63.2	64.3	65.5	65.1	65.4
2	61.5	61.9	61.5	62.2	63.4	66.2	62.3	64.8
3	61.4	62.5	62.8	63.3	64.7	67.2	61.1	65.3
4	62.9	63.1	64.3	65.6	66.1	66.7	64.6	67.6
Total	247.7	249.3	249.9	254.3	258.6	266.6	253.2	263.0

Change from previous year
(eggs)

1.6	0.6	4.4	4.3	8.0	-13.4	9.8
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Source: USDA ERS Livestock and Meat Trade Data.

* Estimates for 2016 (3/2016)



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	1.4	-0.5	18.5	20.9	20.4	22.3	1.9
Apr	2.1			17.7		19.8		
May	3.1			17.4		20.5		
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		
3 Month Avg.	2.4	2.3	-0.2	17.9	20.9	20.3	23.2	2.9
12 Month Avg.	2.7			18.9		21.6		

Source: USDA NASS Chickens and Eggs

Figure 6: Monthly Percent Molted

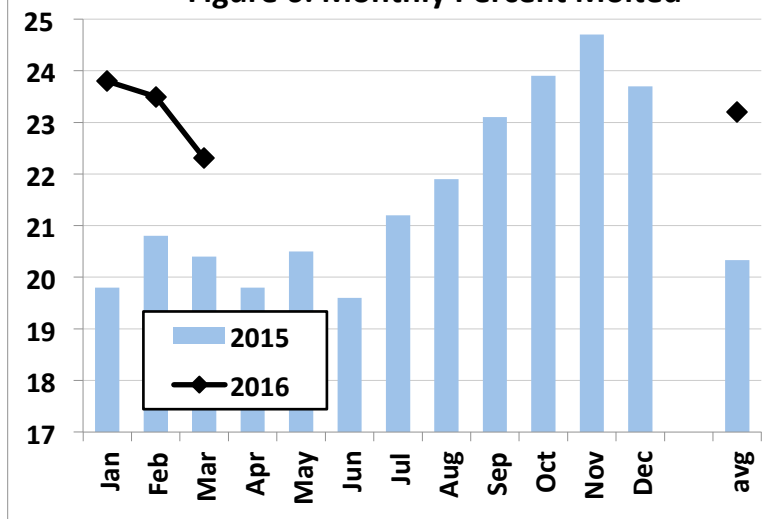
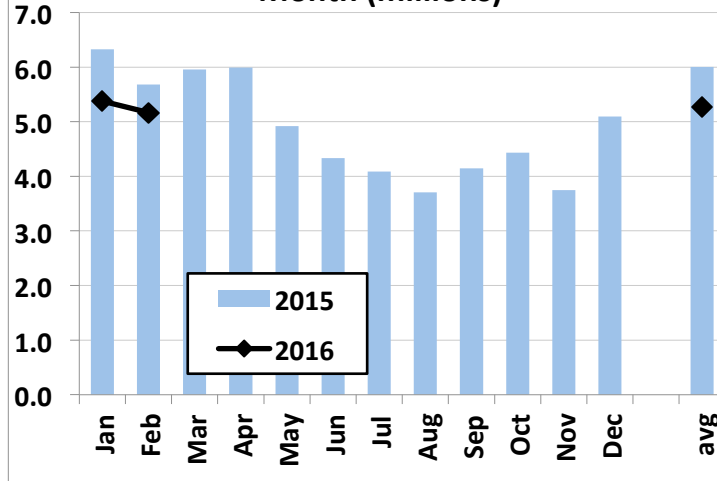


Figure 7: Slaughter of Light Fowl by Month (millions)

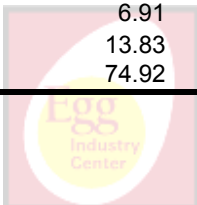


SLAUGHTER OF LIGHT FOWL (MILLIONS)

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		6.47
Apr	6.59	5.99	7.95	8.31	6.63	5.99		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
2 Month Avg.	5.51	5.74	6.27	6.91	6.43	6.00	5.27	6.15
2 Month Total	11.02	11.48	12.54	13.83	12.87	12.00	10.54	12.29
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	1.60
Mar									525.8	
Apr									540.0	
May									352.5	
Jun									322.4	
Jul									321.8	
Aug									421.7	
Sep									305.7	
Oct									328.1	
Nov									279.3	
Dec									262.2	
2 Mo. Total	228.8	5.7	143.8	0.2	158.5	0.2	8.9	570.3	959.5	1.50
%	40.1	1.0	25.2	0.0	27.8	0.0	1.6			

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									463.9	
Apr									402.1	
May									385.0	
Jun									194.7	
Jul									194.3	
Aug									254.1	
Sep									297.5	
Oct									211.7	
Nov									157.0	
Dec									324.1	
2 Mo. Total	137.7	17.4	10.6	37.7	107.1	17.4	3.5	332.7	953.4	0.87
%	41.4	5.2	3.2	11.3	32.2	5.2	1.1			

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

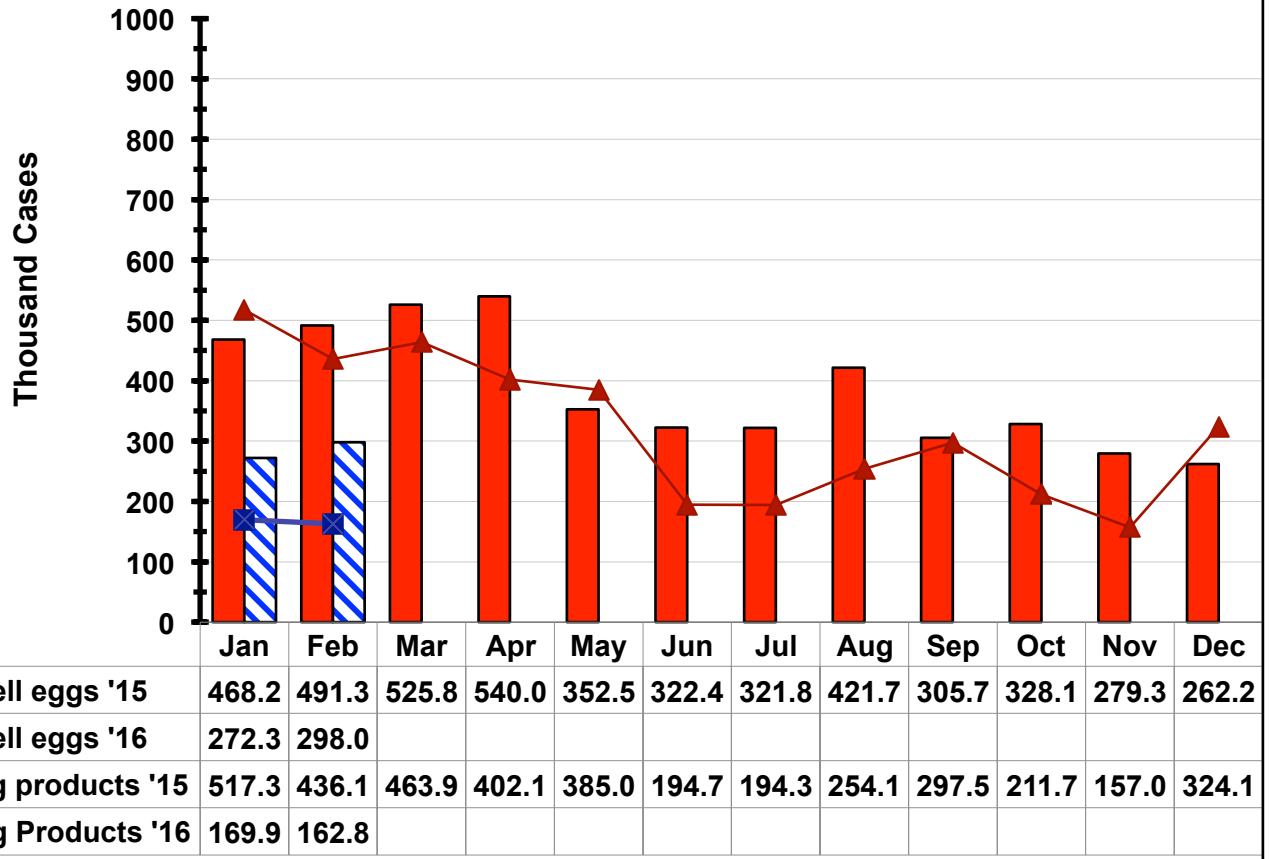
Source: USDA Economic Research Service from U.S. Dept. of Commerce, U.S. Census Bureau, Foreign Trade Stats.

TOTAL EGGS EXPORTED - 2016

TABLE 10

	Table Eggs Produced (000) Cases	Table Eggs Exported		Egg Products Exported		Total Exported	
		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	18,683	298.0	1.60	162.8	0.87	460.8	2.47
Mar							
Apr							
May							
Jun							
Jul							
Aug							
Sep							
Oct							
Nov							
Dec							
Total/Av	38,194	570.3	1.49	332.7	0.87	903.0	2.36

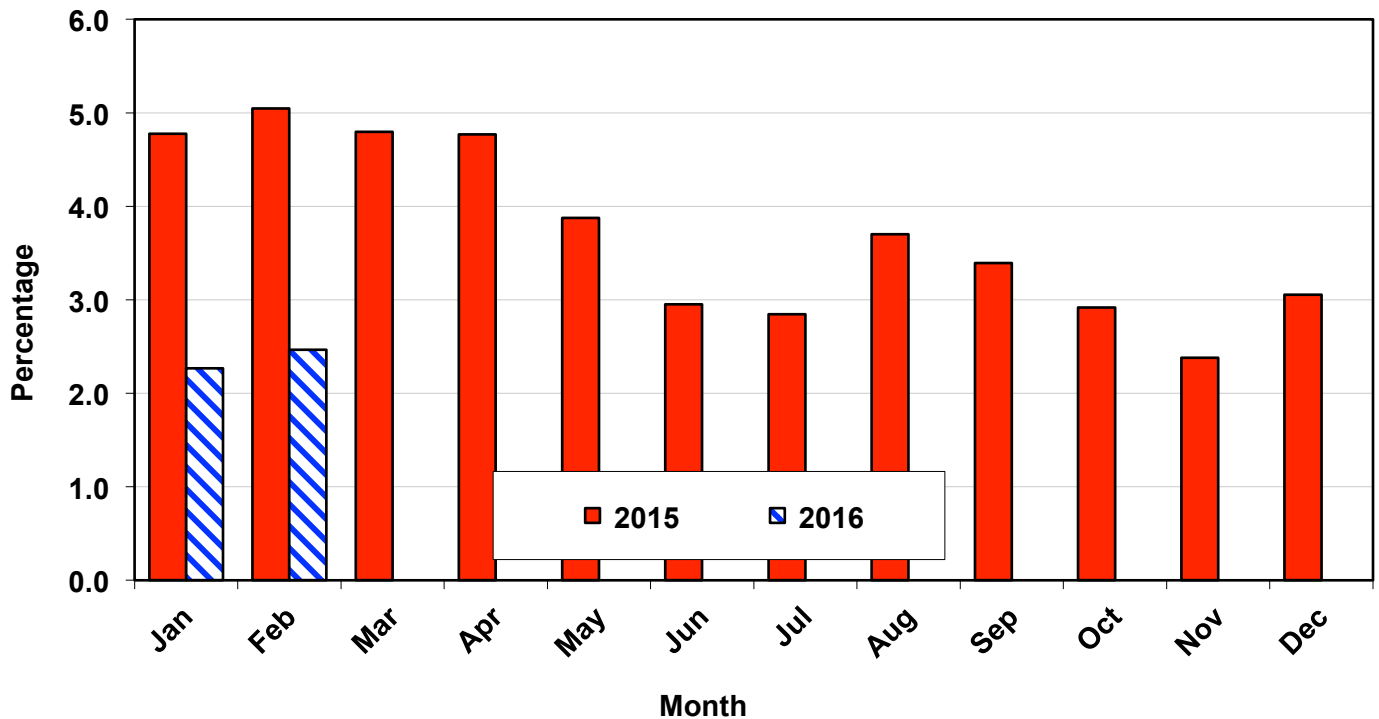
Figure 8: U.S. Egg Exports by Month - 2015 and 2016



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

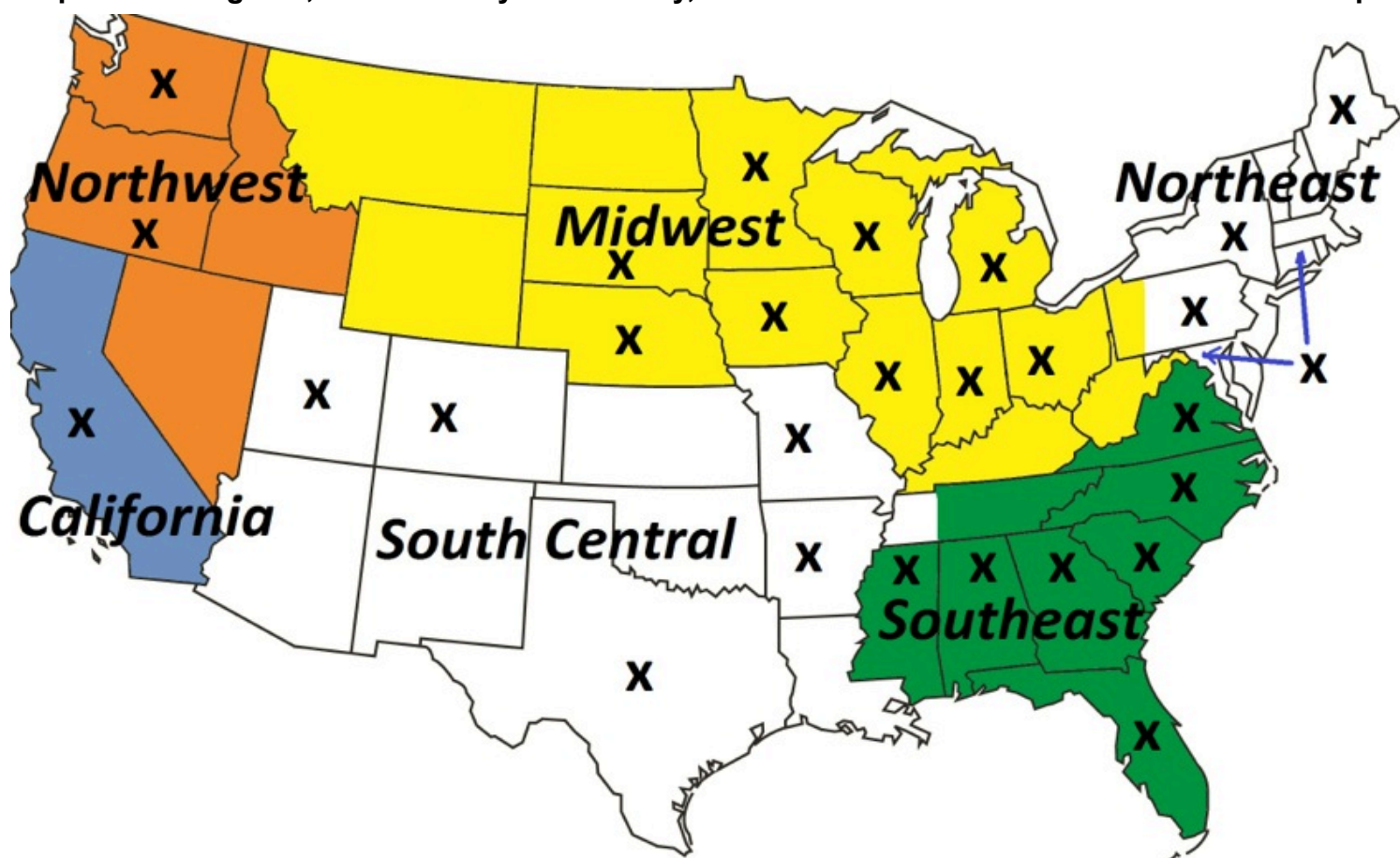
month	Northeast	Southeast	South Central	Midwest	Northwest	California	U.S. Total
Jan	864	1,506	1,210	3,584	227	297	8,161
Feb	819	1,400	1,210	3,452	224	276	7,790
Mar							
Apr							
May							
Jun							
Jul							
Aug							
Sep							
Oct							
Nov							
Dec							
2 Month Avg.	841	1,453	1,210	3,518	226	287	7,976
% of total	10.6	18.2	15.2	44.1	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

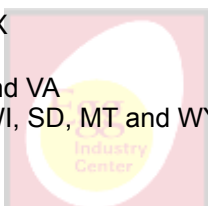
South Central is the sum of AR, UT, CO, MO and TX

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	34.6	68.7	53.1	157.9	9.7	12.3	355.7
Mar							
Apr							
May							
Jun							
Jul							
Aug							
Sep							
Oct							
Nov							
Dec							
2 Month Avg.	34.7	68.7	53.1	155.8	9.5	12.3	353.5
% of total	9.8	19.4	15.0	44.1	2.7	3.5	

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	31.7	32.8	32.0	146.1	9.4	11.8	287.7
Mar							
Apr							
May							
Jun							
Jul							
Aug							
Sep							
Oct							
Nov							
Dec							
2 Month Avg.	31.8	32.9	32.1	144.1	9.2	11.8	285.6
% of total	11.1	11.5	11.2	50.4	3.2	4.1	
Table/total layers (%)	91.6%	47.9%	60.4%	92.5%	96.8%	96.0%	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, %) - 2016

month	Northeast	Southeast	South Central	Midwest	Northwest	California	Simple avg. of 5 regions
Jan	4.0	21.6	24.4	19.5	21.3	20.0	18.5
Feb	3.7	19.9	23.1	19.9	22.3	22.5	18.6
Mar	4.4	18.1	20.6	18.1	24.3	33.0	19.7
Apr							
May							
Jun							
Jul							
Aug							
Sep							
Oct							
Nov							
Dec							
3 Month Avg.	4.0	19.9	22.7	19.1	22.6	25.2	18.9
year 2015 avg.	3.1	21.2	23.2	20.0	23.4	30.9	19.0

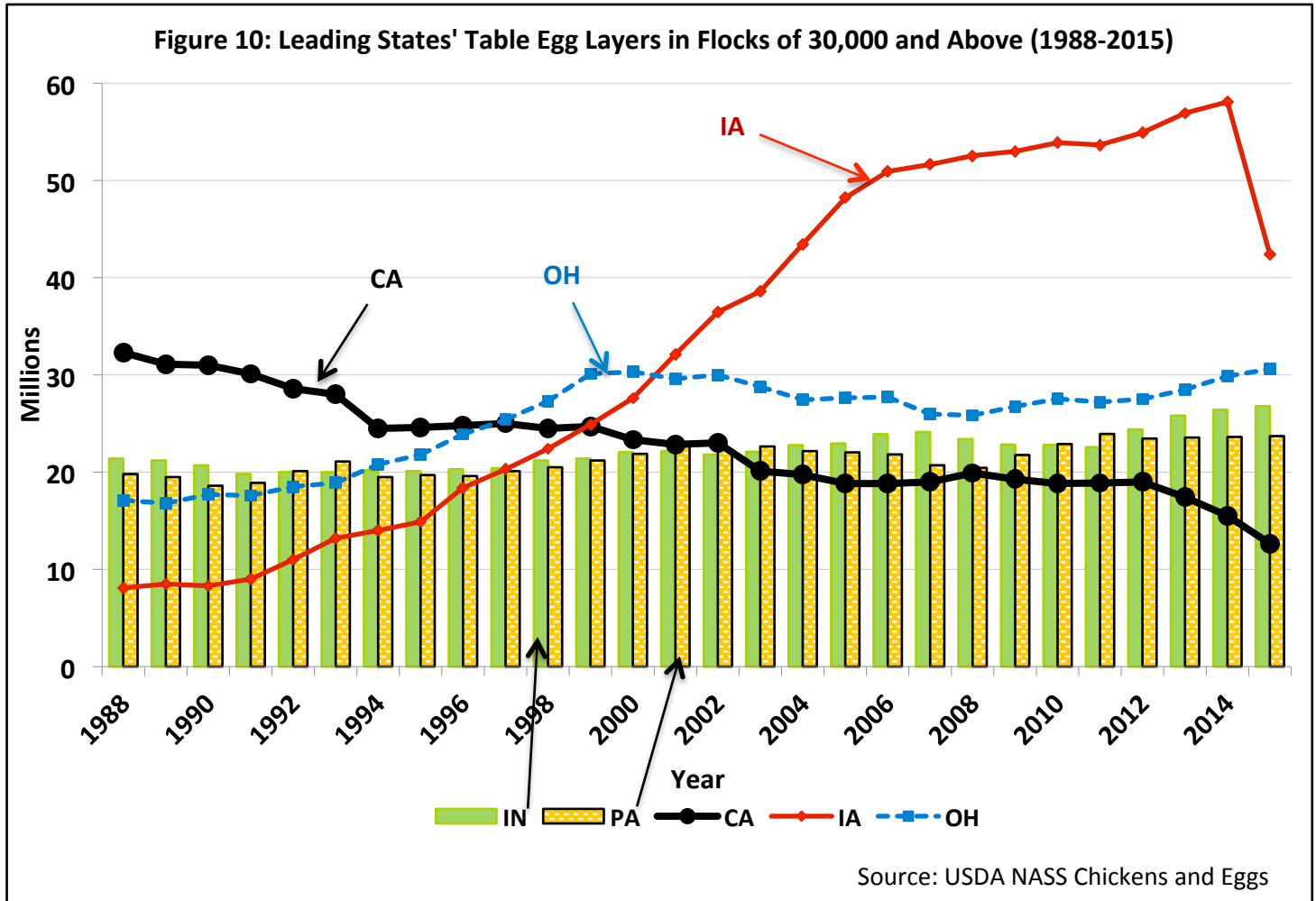
Source: USDA NASS Chickens and Eggs

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.
Feb-2015	58.33	31.14	26.80	23.84	10.92	14.76	298.54
			(Millions)				
Jan-2016	40.08	32.01	29.07	23.89	11.87	16.55	283.56
Feb-2016	43.83	32.30	28.73	23.79	11.79	16.48	287.67
Mar-2016							
Apr-2016							
May-2016							
Jun-2016							
Jul-2016							
Aug-2016							
Sep-2016							
Oct-2016							
Nov-2016							
Dec-2016							
2 Month Avg.	41.95	32.16	28.90	23.84	11.83	16.51	285.61
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	
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	
8 month avg.	2.841	3.010	2.682	2.722	2.504	2.620	2.931
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	18.0	21.1	18.0
Feb	16.9	17.4	16.1	17.8	18.4	21.4	17.3
Mar	18.6	17.0	17.1	19.2	20.1	22.5	18.4
Apr	17.5	16.9	16.5	18.9	16.5	20.8	17.3
May	17.0	17.6	18.5	18.6	18.2	21.3	18.0
Jun	17.7	18.0	19.1	19.4	18.1	20.8	18.5
Jul	18.7	19.5	21.1	20.5	20.3	24.3	20.0
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
7 month avg.	17.6	17.9	18.2	18.8	18.5	21.7	18.2
Annual Avg.	18.0	18.2	19.0	19.5	19.5		18.8
Total	215.9	218.0	227.7	233.5	234.0		225.8

Source: USDA NASS Chickens and Eggs

% Change to date

17.51

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

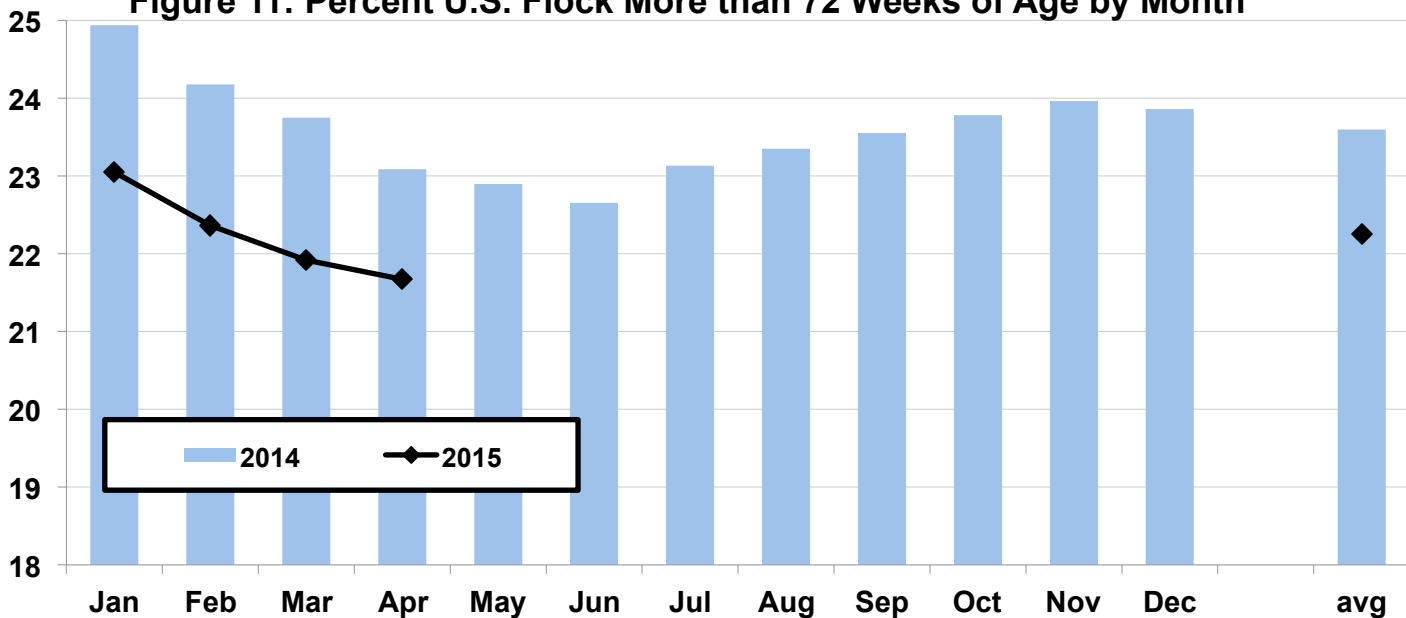
month	Number				% of National Flock over 72 wks.		
	2012	2013	2014	2015	2013	2014	2015
Jan	219.7	220.1	227.7	235.8	26.3	24.9	23.1
Feb	219.6	219.4	229.5	236.5	26.8	24.2	22.4
Mar	217.9	219.6	231.6	237.4	26.9	23.7	21.9
Apr	217.3	219.1	234.0	235.0	26.5	23.1	21.7
May	217.9	220.0	234.1	*	25.8	22.9	
Jun	218.2	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.

Figure 11: Percent U.S. Flock More than 72 Weeks of Age by Month



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	Projected	Projected	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	299.4	304.1	304.7	306.4	307.2	313.4	315.1	315.5	317.5	320.5

Project. Year end:

Dec, 2016 - 319.5

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	21.1	6.4	5.4
Feb	290.8	295.0	22.1	21.4	5.5	5.2
Mar	295.2	299.4	22.5	22.5	6.4	
Apr	300.1		20.8	20.8	6.9	
May	300.9		22.2	21.3	6.8	
Jun	302.9		22.0	20.8	6.4	
Jul	302.6		18.6	24.3	5.7	
Aug	303.3		20.9		6.2	
Sep	305.3		20.8		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	291.3	295.2	21.3	21.7	6.0	5.3

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.

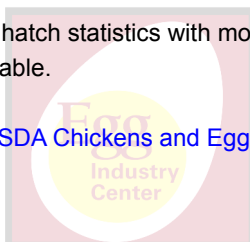
3. Projected = Egg Industry Center

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: 4/8/2016

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	299.4									
Pullets added at 5 months of age		19.2	21.1	21.4	22.5	20.8	21.3	20.8	24.3					
Slaughter of light fowl		-5.1	-5.4	-5.2										
U.S.D.A. final count		288.3	291.1	295.0										

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	299.4	304.1	304.7	306.4	307.2	313.4	315.1	315.5	317.5	320.5
Pullets added at 5 months of age		19.2	21.1	21.4	22.5	20.8	21.3	20.8	24.3	21.1	21.1	21.3	20.0	18.3
Slaughter of light fowl		-5.1	-5.4	-5.2	-6.5	-6.9	-6.8	-6.4	-5.8	-6.4	-5.9	-6.0	-5.0	-6.4
Died and missing		-11.6	-12.2	-12.3	-11.3	-13.2	-12.7	-13.6	-12.4	-13.1	-14.8	-13.3	-12.0	-12.9
Calculated ending count		290.9	294.7	298.9	304.1	304.7	306.4	307.2	313.4	315.1	315.5	317.5	320.5	319.5
U.S.D.A. final count		291.1	295.0	299.4										
Discrepancy in millions		0.3	0.3	0.5										
Discrepancy in %		0.1	0.1	0.2										

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		320.5	319.5	318.6	317.7	318.1	315.4	314.3	313.3	315.7	317.7	318.5	321.0	324.7
Pullets added at 5 months of age		18.3	19.5	18.5	19.3	18.3	19.2	19.5	21.0	21.6	21.7	22.0	20.8	19.2
Slaughter of light fowl		-6.4	-7.0	-6.0	-6.9	-7.3	-7.1	-6.6	-5.9	-6.4	-5.9	-6.0	-5.0	-6.5
Died and missing		-12.9	-13.4	-13.3	-12.0	-13.8	-13.2	-13.9	-12.7	-13.2	-15.0	-13.4	-12.1	-13.0
Calculated ending count		319.5	318.6	317.7	318.1	315.4	314.3	313.3	315.7	317.7	318.5	321.0	324.7	324.3

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

USDA preliminary

For March 2016

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									
Apr-16	297.4	300.1	302.6	304.1									
May-16	298.4	300.9	303.3	304.7									
Jun-16	301.3	302.9	305.1	306.4									
Jul-16	301.2	302.6	306.7	307.2									
Aug-16	301.9	303.3	307.4	313.4									
Sep-16	304.0	305.3	309.5	315.1									
Oct-16	304.8	306.0	310.2	315.5									
Nov-16	307.2	308.3	312.6	317.5									
Dec-16	310.5	311.5	315.9	320.5									
Jan-17		310.6	315.1	319.5									
Feb-17			314.2	318.6									
Mar-17				317.7									
Apr-17				318.1									
May-17				315.4									
Jun-17				314.3									
Jul-17				313.3									
Aug-17				315.7									
Sep-17				317.7									
Oct-17				318.5									
Nov-17				321.0									
Dec-17				324.7									

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)

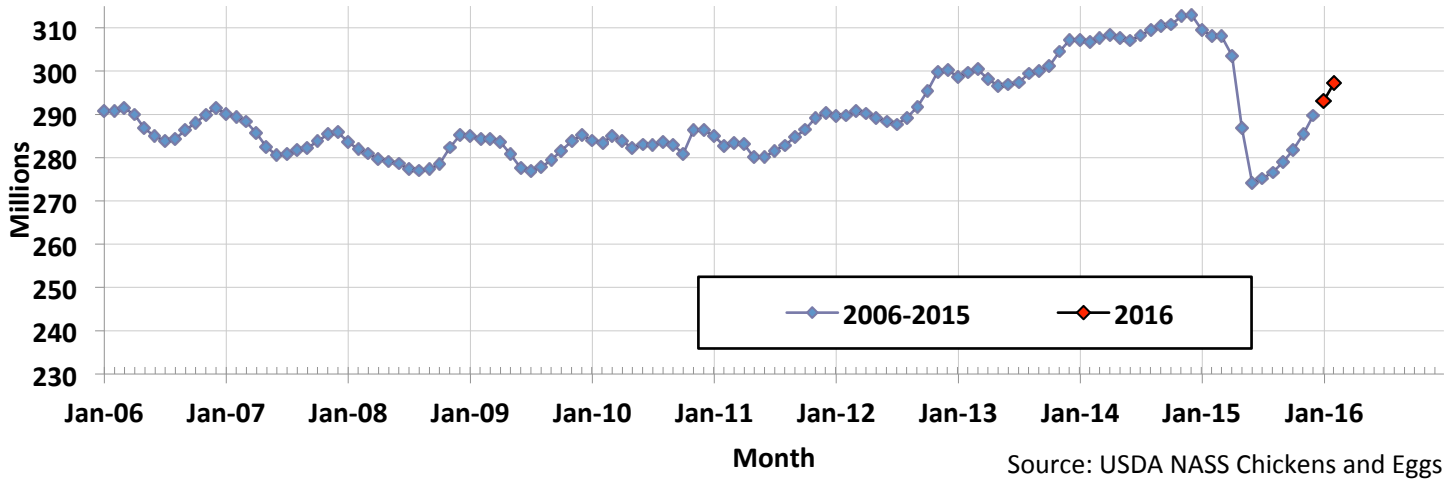


Figure 13: U.S. Table Eggs per Hundred Hens per Day by Month (2006-2016)

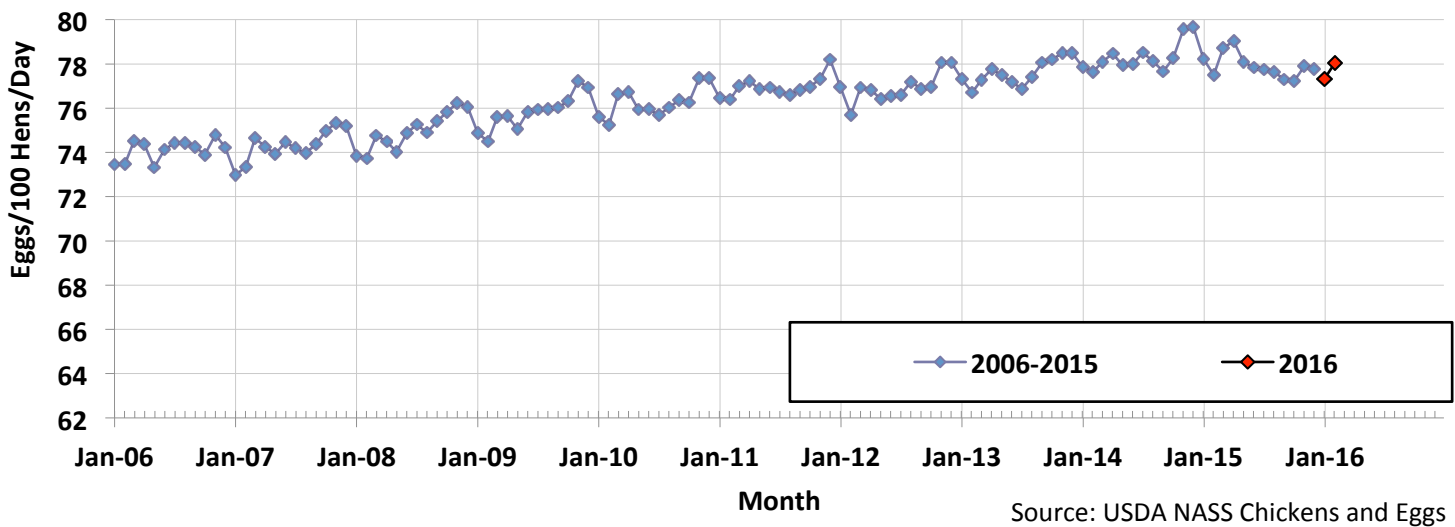


Figure 14: Monthly Percent of U.S. Flock Molted (2006-2016)

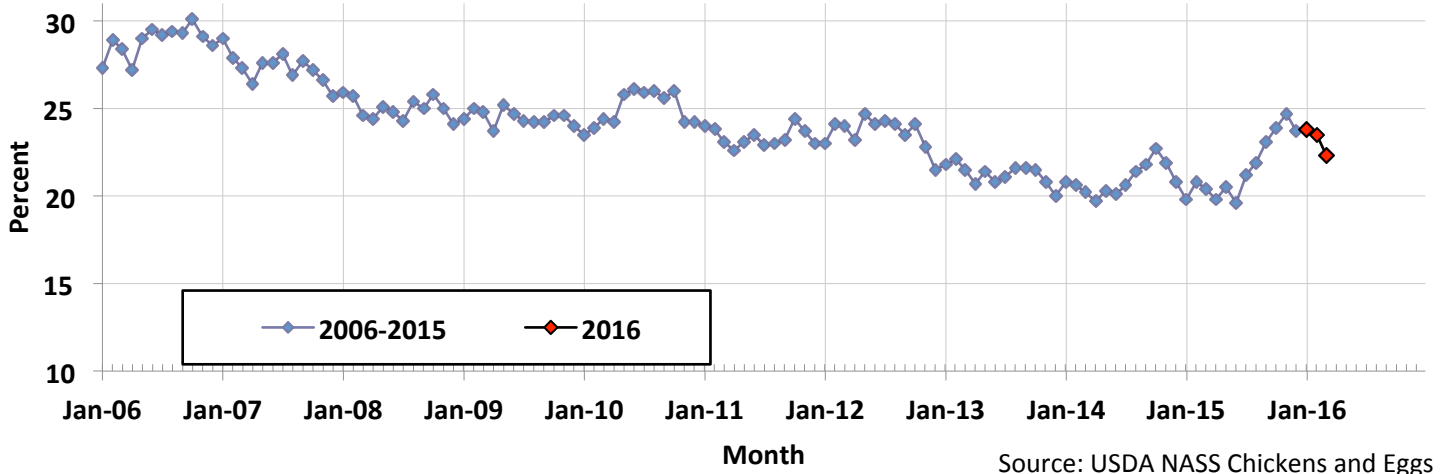
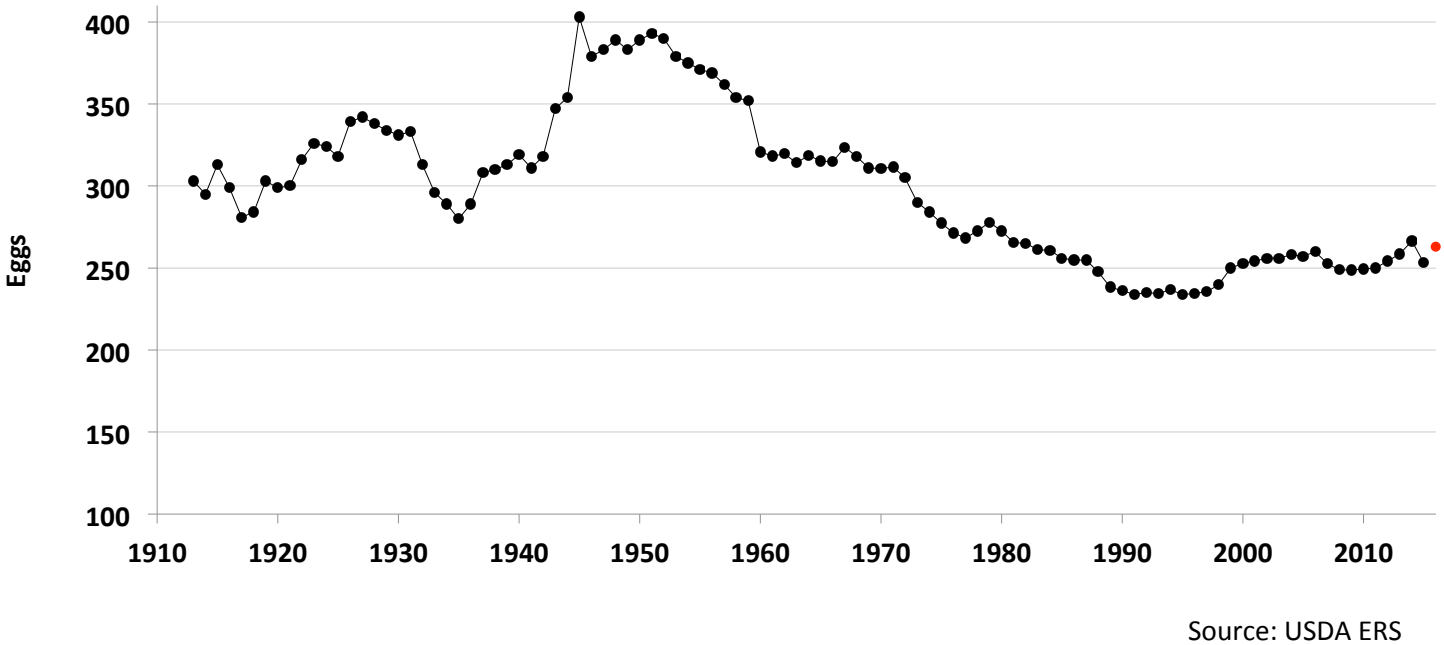


Figure 15: U.S. Per Capita Egg Consumption by Year (1913-2016)



SUMMARY TO DATE

Table 23

			2015	2016	% Change
HATCH of EGG-TYPE STRAIGHT RUN (THOUSANDS) (U.S.) (Total)	Jan to Feb		87,265	98,100	12.4
TABLE-EGG LAYERS (MILLIONS) (U.S.) (Avg.)	Jan to Feb		308.8	295.1	-4.4
TABLE EGGS (MILLIONS/MONTH) (U.S.) (Avg.)	Jan to Feb		7,095	6,875	-3.1
RATE OF LAY (%) (Avg.)	Jan to Feb		77.9	77.7	-0.2
U.S. TABLE EGG AVG. CASES/WEEK (THOUSANDS)	Jan to Feb		1,683	1,631	-3.1
AVG MONTHLY CASES OF EGGS BROKEN (MILLION) (U.S.)	Jan to Feb		6.190	5.562	-10.1
			2013	2014	Difference
PERCENT OF U.S. FLOCK IN or POST MOLT (Avg.)	Jan to Mar		20.3	23.2	2.9
AVERAGE PULLETS ADDED/MONTH (MILLIONS) (U.S.)	Jan to Jul		18.5	21.7	3.2

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

Maro Ibarburu, EIC Business Analyst
Iowa State University, Ames, IA
Phone (515) 294-8132
E-mail: maro@iastate.edu

