## **U.S. Egg Cost of Production and Prices**

November 2, 2018



Compiled by
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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.

REPORT NOTE: This report estimates the average layer feed price and cost of production in six different U.S. regions as outlined on the following map. It also reports the EIC projected prices of eggs.

This report uses the corn and soybean meal prices reported by Feedstuffs weekly newspaper.

Monthly corn and soybean prices for each city are estimated as the simple average of the weekly prices for each month.

- Monthly corn and soybean prices for each region are estimated as the simple average of prices for the cities in each region.
- The Northeast region price is the simple average of the prices for Buffalo and Boston
- The Southeast region price is the simple average of the prices for Atlanta and Fayetteville (NC)
- The Midwest region price is the simple average of the prices for Chicago and Minneapolis
- The South Central region price is the simple average of the prices for Ft. Worth, Kansas City and Memphis
- The California and Northwest region prices are the simple average of the prices for Los Angeles, San Francisco and Portland
- The U.S. price is the simple average of the prices for all the regions listed above (except California)

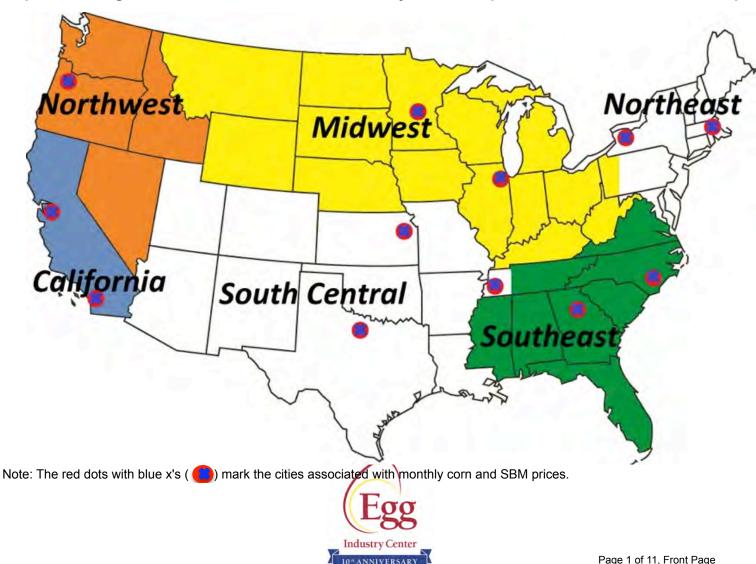
The average feed price is based on a diet consisting of 67% corn, 22% soybean meal, 8% limestone and 3% other ingredients.

The cost of production was adjusted from last year based on producer surveys. There is not enough information to separate costs by region other than using the differences in the feed ingredient prices.

Pullet cost are adjusted by region based on the average feed price for the month, assuming all the other costs are similar between

Feed conversion is variable depending on the month. The labor, building and equipment, interest and miscellaneous costs are assumed to be 17.15 (cents/dozen) for all regions (except California) and months.

Map of U.S. Regions and the location of corn and soybean meal price information used in this report



# Highlights and comparison with previous month and previous year. Prices and Percent Changes

Difference with respect to October last year (2018 vs. 2017).

| Corn Prid | Corn Price (\$/ton) SBM Price (\$/ton) |       | Feed Co | Feed Cost (\$/ton) |       | Cost of Prod (cents/doz.) |       | Egg Price (cents/doz.) |       |
|-----------|----------------------------------------|-------|---------|--------------------|-------|---------------------------|-------|------------------------|-------|
| +2.49     | +1.7%                                  | +3.04 | +0.9%   | +2.94              | +1.5% | +1.04                     | +1.8% | +1.32                  | +1.7% |

In October, corn prices were \$2.49/ton (1.7%) higher than in the previous year. Soybean Meal prices were \$3.04/ton higher than October last year.

These changes in prices resulted in a \$2.94/ton (1.5%) higher cost of feed and 1.04 cents/doz. (1.8%) higher cost of production than October last year.

The October 2018 egg price paid to producers was 1.32 cents/doz. (1.7%) higher than in October 2017.

Difference with respect to the previous month this year (October vs. September 2018).

| Corn Prid | Corn Price (\$/ton) SBM Price (\$/ton) |       | Feed Co | Feed Cost (\$/ton) |       | Cost of Prod (cents/doz.) |       | Egg Price (cents/doz.) |        |
|-----------|----------------------------------------|-------|---------|--------------------|-------|---------------------------|-------|------------------------|--------|
| +0.10     | +0.1%                                  | -2.83 | -0.8%   | -0.56              | -0.3% | -0.10                     | -0.2% | +7.64                  | +10.5% |

The October corn price was \$0.10/ton (0.1%) higher than the previous month. Soybean Meal prices were \$2.83/ton (0.8%) lower.

These changes in prices resulted in a \$0.56/ton (0.3%) lower cost of feed and 0.10 cents/doz. (0.2%) lower cost of production than last month.

The October 2018 egg price paid to producers was 7.64 cents/doz. (10.5%) higher than the previous month.



CORN PRICE BY REGION (\$/ton) - 2018

TABLE 1

| Month          | Southeast | Northeast | Midwest | South Central | Northwest | 5-Region avg. |
|----------------|-----------|-----------|---------|---------------|-----------|---------------|
| Jan            | 188.50    | 144.56    | 115.27  | 129.15        | 171.14    | 149.72        |
| Feb            | 194.51    | 148.60    | 119.66  | 135.67        | 178.03    | 155.29        |
| Mar            | 194.64    | 154.89    | 125.19  | 135.15        | 185.16    | 159.01        |
| Apr            | 194.64    | 156.36    | 128.48  | 138.65        | 187.21    | 161.07        |
| May            | 175.09    | 155.73    | 134.60  | 146.71        | 192.74    | 160.97        |
| Jun            | 173.93    | 146.67    | 121.65  | 131.50        | 181.04    | 150.96        |
| Jul            | 173.93    | 143.69    | 116.64  | 127.22        | 176.90    | 147.68        |
| Aug            | 173.59    | 142.29    | 117.01  | 124.77        | 179.71    | 147.47        |
| Sep            | 173.93    | *         | 118.08  | 118.65        | 175.20    | 146.35        |
| Oct            | 156.53    | *         | 122.14  | 124.40        | 179.82    | 146.46        |
| Nov            |           |           |         |               |           |               |
| Dec            |           |           |         |               |           |               |
| 10 Month Avg.  | 179.93    | *         | 121.87  | 131.19        | 180.69    | 152.50        |
| Region/US avg. | 1.18      | *         | 0.80    | 0.86          | 1.18      |               |

Source: Feedstuffs magazine

#### SOYBEAN MEAL PRICE BY REGION (\$/ton) - 2018

**TABLE 2** 

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|----------------|-----------|---------------------|---------|---------------|-----------|---------------|
| Month          | Southeast | Northeast           | Midwest | South Central | Northwest | 5-Region avg. |
| Jan            | 363.80    | 353.10              | 305.95  | 324.61        | 357.80    | 341.05        |
| Feb            | 404.38    | 380.25              | 351.68  | 371.21        | 401.78    | 381.86        |
| Mar            | 425.00    | 396.25              | 356.06  | 384.41        | 410.94    | 394.53        |
| Apr            | 425.00    | 401.75              | 367.54  | 390.18        | 416.47    | 400.19        |
| May            | 455.00    | 411.87              | 373.33  | 381.99        | 423.54    | 409.14        |
| Jun            | 455.00    | 386.37              | 337.16  | 345.23        | 388.92    | 382.54        |
| Jul            | 455.00    | 377.00              | 322.98  | 340.45        | 374.08    | 373.90        |
| Aug            | 455.00    | 375.70              | 315.25  | 344.85        | 369.60    | 372.08        |
| Sep            | *         | *                   | 303.13  | 328.86        | 350.58    | 342.09        |
| Oct            | *         | *                   | 302.93  | 327.41        | 345.37    | 339.25        |
| Nov            |           |                     |         |               |           |               |
| Dec            |           |                     |         |               |           |               |
| 10 Month Avg.  | *         | *                   | 333.60  | 353.92        | 383.91    | 373.66        |
| Region/US avg. | *         | *                   | 0.89    | 0.95          | 1.03      | 3.0.00        |

Source: Feedstuffs magazine

#### Notes:

Northeast prices are estimated as the simple average of Buffalo and Boston

Southeast prices are estimated as the simple average of Atlanta and Fayetteville

South Central prices are estimated as the simple average of Ft. Worth, Kansas City and Memphis

Midwest prices are estimated as the simple average of Chicago and Minneapolis

Northwest and California prices are estimated as the simple average of Los Angeles, San Francisco and Portland

Note: "5-Region avg" is the simple average of the NE, SE, SC, MW, and NW regions.



<sup>\*</sup> there were no corn prices reported for the Northeast locations in September. Therefore, the last 12 months difference with the other 4 regions was used to approximate their value for the 5-region average estimation.

<sup>\*</sup> there were no soybean meal prices reported for the Southeast and Northeast locations in September. Therefore, the last 12 months difference with the other 3 regions was used to approximate their value for the 5-region average estimation.

ESTIMATED LAYER FEED COST BY REGION (\$/ton) - 2018

TABLE 3

| Month          | Southeast | Northeast | Midwest | South Central | Northwest | 5-Region avg. |
|----------------|-----------|-----------|---------|---------------|-----------|---------------|
| Jan            | 235.03    | 203.24    | 173.24  | 186.65        | 222.08    | 204.05        |
| Feb            | 247.98    | 211.91    | 186.24  | 201.27        | 236.37    | 216.76        |
| Mar            | 252.61    | 219.65    | 190.91  | 203.82        | 243.16    | 222.03        |
| Apr            | 252.61    | 221.85    | 195.64  | 207.44        | 245.76    | 224.66        |
| May            | 246.11    | 223.65    | 201.01  | 211.03        | 251.01    | 226.56        |
| Jun            | 245.33    | 211.97    | 184.38  | 192.76        | 235.56    | 214.00        |
| Jul            | 245.33    | 207.91    | 177.91  | 188.84        | 229.52    | 209.90        |
| Aug            | 245.11    | 206.69    | 176.45  | 188.16        | 230.42    | 209.36        |
| Sep            | *         | *         | 174.50  | 180.54        | 223.21    | 202.02        |
| Oct            | *         | *         | 177.18  | 184.08        | 225.16    | 201.46        |
| Nov            |           |           |         |               |           |               |
| Dec            |           |           |         |               |           |               |
| 10 Month Avg.  | *         | *         | 183.75  | 194.46        | 234.22    | 213.08        |
| Region/US avg. | *         | *         | 0.86    | 0.91          | 1.10      |               |

Source: Egg Industry Center. Estimated based on corn and soybean meal prices reported by Feedstuffs magazine and all other costs total \$28.7/ton.

Assumptions:

|         |          | Diet Composition |          |              |             |  |  |  |  |
|---------|----------|------------------|----------|--------------|-------------|--|--|--|--|
|         |          | Other            |          |              |             |  |  |  |  |
|         | Corn     | SBM              | Calcium* | ingredients* | and Milling |  |  |  |  |
| Percent | 67%      | 22%              | 8%       | 3%           | Costs*      |  |  |  |  |
| \$/Ton  | variable | variable         | 4.7      | 12.9         | 11.1        |  |  |  |  |

<sup>\*</sup> These are standardized costs

ESTIMATED 19-WEEK PULLET COSTS BY REGION (\$/bird) - 2018

**TABLE 4** 

| Month          | Southeast | Northeast | Midwest | South Central | Northwest | 5-Region avg. |
|----------------|-----------|-----------|---------|---------------|-----------|---------------|
| Jan            | 3.99      | 3.75      | 3.53    | 3.63          | 3.89      | 3.76          |
| Feb            | 4.08      | 3.82      | 3.62    | 3.74          | 4.00      | 3.85          |
| Mar            | 4.12      | 3.87      | 3.66    | 3.76          | 4.05      | 3.89          |
| Apr            | 4.12      | 3.89      | 3.69    | 3.78          | 4.07      | 3.91          |
| May            | 4.07      | 3.90      | 3.73    | 3.81          | 4.11      | 3.92          |
| Jun            | 4.06      | 3.82      | 3.61    | 3.67          | 3.99      | 3.83          |
| Jul            | 4.06      | 3.79      | 3.56    | 3.64          | 3.95      | 3.80          |
| Aug            | 4.06      | 3.78      | 3.55    | 3.64          | 3.95      | 3.80          |
| Sep            | *         | *         | 3.54    | 3.58          | 3.90      | 3.74          |
| Oct            | *         | *         | 3.56    | 3.61          | 3.91      | 3.74          |
| Nov            |           |           |         |               |           |               |
| Dec            |           |           |         |               |           |               |
| 10 Month Avg.  | *         | *         | 3.61    | 3.69          | 3.98      | 3.82          |
| Region/US avg. | *         | *         | 0.94    | 0.96          | 1.04      |               |

Source: Egg Industry Center

Assumes: 13.9 pounds of feed consumed per pullet at variable prices to grow a pullet to 19 weeks of age (for all regions), pullet feed cost 7% more expensive than layers cost (because of higher nutrient requirements); chick cost = 81 cents/baby chick, moving cost = 16 cents/pullet, and other costs = 127 cents/pullet (for all regions)

Note: "5-Region avg" is the simple average of the NE, SE, SC, MW, and NW regions.



<sup>\*</sup> Please see notes below tables 1 and 2.

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ESTIMATED PULLET COST BY REGION under 1-cycle systems (Cents/doz.) - 2018

**TABLE 5** 

| Month          | Southeast | Northeast | Midwest | South Central | Northwest | 5-Region avg. |
|----------------|-----------|-----------|---------|---------------|-----------|---------------|
| Jan            | 11.56     | 10.87     | 10.23   | 10.52         | 11.28     | 10.89         |
| Feb            | 11.84     | 11.06     | 10.51   | 10.83         | 11.59     | 11.16         |
| Mar            | 11.94     | 11.23     | 10.61   | 10.89         | 11.73     | 11.28         |
| Apr            | 11.94     | 11.27     | 10.71   | 10.96         | 11.79     | 11.34         |
| May            | 11.80     | 11.31     | 10.83   | 11.04         | 11.90     | 11.38         |
| Jun            | 11.78     | 11.06     | 10.47   | 10.65         | 11.57     | 11.11         |
| Jul            | 11.78     | 10.97     | 10.33   | 10.56         | 11.44     | 11.02         |
| Aug            | 11.78     | 10.95     | 10.30   | 10.55         | 11.46     | 11.01         |
| Sep            | *         | *         | 10.25   | 10.38         | 11.30     | 10.85         |
| Oct            | *         | *         | 10.31   | 10.46         | 11.35     | 10.84         |
| Nov            |           |           |         |               |           |               |
| Dec            |           |           |         |               |           |               |
| 10 Month Avg.  | *         | *         | 10.45   | 10.68         | 11.54     | 11.09         |
| Region/US avg. | *         | *         | 0.94    | 0.96          | 1.04      |               |

Source: Egg Industry Center

Assumes 34.5 dozen eggs per pullet placed under 1-cycle systems

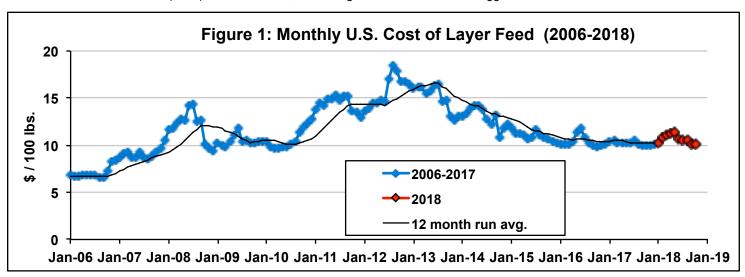
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### ESTIMATED FEED COST BY REGION under 1-cycle systems (Cents/doz.) - 2018

**TABLE 6** 

| Month          | Southeast | Northeast | Midwest | South Central | Northwest | 5-Region avg. |
|----------------|-----------|-----------|---------|---------------|-----------|---------------|
| Jan            | 36.90     | 31.91     | 27.20   | 29.30         | 34.87     | 32.04         |
| Feb            | 38.93     | 33.27     | 29.24   | 31.60         | 37.11     | 34.03         |
| Mar            | 39.66     | 34.49     | 29.97   | 32.00         | 38.18     | 34.86         |
| Apr            | 39.66     | 34.83     | 30.72   | 32.57         | 38.58     | 35.27         |
| May            | 38.64     | 35.11     | 31.56   | 33.13         | 39.41     | 35.57         |
| Jun            | 38.52     | 33.28     | 28.95   | 30.26         | 36.98     | 33.60         |
| Jul            | 38.52     | 32.64     | 27.93   | 29.65         | 36.03     | 32.95         |
| Aug            | 38.48     | 32.45     | 27.70   | 29.54         | 36.18     | 32.87         |
| Sep            | *         | *         | 27.40   | 28.35         | 35.04     | 31.72         |
| Oct            | *         | *         | 27.82   | 28.90         | 35.35     | 31.63         |
| Nov            |           |           |         |               |           |               |
| Dec            |           |           |         |               |           |               |
| 10 Month Avg.  | *         | *         | 28.85   | 30.53         | 36.77     | 33.45         |
| Region/US avg. | *         | *         | 0.86    | 0.91          | 1.10      |               |

Estimated based on feed costs (\$/ton) shown in table 3, assuming 3.14 lbs of feed/dozen eggs



Note: "5-Region avg" is the simple average of the NE, SE, SC, MW, and NW regions.



ESTIMATED TOTAL COSTS BY REGION under 1-cycle systems (cents/doz.) - 2018 \*

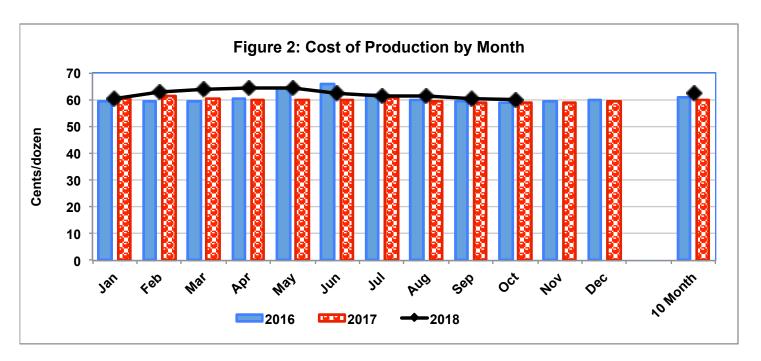
**TABLE 7** 

| Month          | Southeast | Northeast | Midwest | South Central | Northwest | California | 5-Region avg. |
|----------------|-----------|-----------|---------|---------------|-----------|------------|---------------|
| Jan            | 65.98     | 60.30     | 54.95   | 57.34         | 63.67     | 76.48      | 60.45         |
| Feb            | 68.29     | 61.85     | 57.27   | 59.95         | 66.22     | 79.03      | 62.72         |
| Mar            | 69.12     | 63.23     | 58.10   | 60.41         | 67.43     | 80.24      | 63.66         |
| Apr            | 69.12     | 63.63     | 58.95   | 61.05         | 67.89     | 80.71      | 64.13         |
| May            | 67.96     | 63.95     | 59.90   | 61.69         | 68.83     | 81.65      | 64.47         |
| Jun            | 67.82     | 61.86     | 56.94   | 58.43         | 66.07     | 78.89      | 62.22         |
| Jul            | 67.82     | 61.14     | 55.78   | 57.73         | 64.99     | 77.81      | 61.49         |
| Aug            | 67.78     | 60.92     | 55.52   | 57.61         | 65.15     | 77.97      | 61.40         |
| Sep            | *         | *         | 55.17   | 56.25         | 63.87     | 76.68      | 60.08         |
| Oct            | *         | *         | 55.65   | 56.88         | 64.22     | 77.03      | 59.98         |
| Nov            |           |           |         |               |           |            |               |
| Dec            |           |           |         |               |           |            |               |
| 10 Month Avg.  | *         | *         | 56.82   | 58.73         | 65.83     | 78.65      | 62.06         |
| Region/US avg. | *         | *         | 0.92    | 0.95          | 1.06      | 1.27       |               |

Source: Egg Industry Center.

- 1) the feed efficiency and pullet cost are similar between California and the rest of the country
- 2) the "building and equipment, labor, interest and miscellaneous" costs are assumed to increase proportionally to the space per layer increase or 73% higher (116 in²/67 in²) than on the other regions which put them at at 30.33 cents/dozen (17.52 \* 116/67)

These estimations are based on standard costs for conventionally produced eggs. Higher labor costs might exist in certain regions. Newer, more efficient farms, would probably use less labor but have higher equipment costs.



Note: "5-Region avg" is the simple average of the NE, SE, SC, MW, and NE regions. California is not considered for the average because of the different production requirements.



<sup>\*</sup> These estimations are based on feed costs (cents/dozen) shown in table 6, pullet costs (cents/dozen) shown in table 5.

Building and equipment, labor, interest and miscellaneous costs are assumed to be 17.52 cents/dozen (except for CA, please see below) Some assumptions were made in the absence of enough information of cost of production under the new California regulations.

These assumptions that are a clear simplification of the changes in different costs are:

U.S. ESTIMATED FARM EGG PRICE AND RETAIL EGG PRICE (cents/Doz)

**TABLE 8** 

|               | Farm Pric | ce for All White | e Egg Sizes (c | ents/Doz) | Retail Pr | ice for Large V | White Eggs (c | ents/Doz) |
|---------------|-----------|------------------|----------------|-----------|-----------|-----------------|---------------|-----------|
| month         | 2016      | 2017             | 2018           | Change    | 2016      | 2017            | 2018          | Change    |
| Jan           | 91.7      | 49.5             | 93.9           | 44.3      | 232.8     | 159.9           | 176.9         | 17.0      |
| Feb           | 92.8      | 38.9             | 119.0          | 80.0      | 226.7     | 146.4           | 175.5         | 29.1      |
| Mar           | 66.9      | 46.7             | 180.8          | 134.1     | 208.1     | 140.4           | 183.1         | 42.7      |
| Apr           | 41.8      | 42.8             | 116.2          | 73.4      | 179.3     | 140.9           | 208.1         | 67.2      |
| May           | 30.6      | 37.1             | 64.0           | 26.8      | 168.4     | 141.4           | 198.7         | 57.3      |
| Jun           | 31.8      | 39.5             | 75.9           | 36.3      | 149.1     | 133.2           | 162.8         | 29.6      |
| Jul           | 39.9      | 51.0             | 93.7           | 42.7      | 154.6     | 133.3           | 172.5         | 39.2      |
| Aug           | 39.8      | 55.8             | 85.0           | 29.2      | 145.5     | 136.7           | 162.2         | 25.5      |
| Sep           | 38.3      | 84.0             | 72.8           | -11.1     | 147.1     | 142.2           | 165.1         | 22.9      |
| Oct           | 29.5      | 79.2             | 80.5           | 1.3       | 139.0     | 154.0           |               |           |
| Nov           | 35.9      | 109.6            |                |           | 132.1     | 150.6           |               |           |
| Dec           | 73.3      | 124.1            |                |           | 138.3     | 181.5           |               |           |
| Avg.          | 50.3      | 52.4             | 98.2           | 45.7      | 179.1     | 141.6           | 178.3         | 36.7      |
| 12 Month Avg. | 51.0      | 63.2             |                |           | 168.4     | 146.7           |               |           |

Source: Estimated using Urner Barry's price quotations by regions

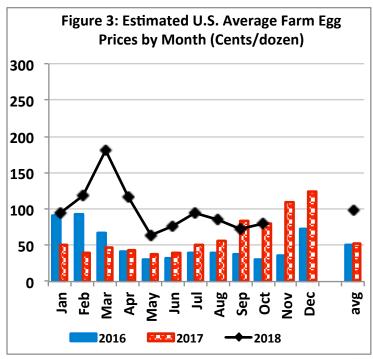
Source: Bureau of Labor Statistics (Dept. of Commerce)

For this report, the price paid to producers for each size eggs is estimated by subtracting an "adjustment factor" from Urner Barry quotations of prices by region. The "adjustment factor" we are using varies around 42 cents/dozen and it is estimated by comparing the historical relationship between the Urner Barry prices with the Trailer Load prices reported by USDA.

The Undergrades eggs price is estimated as the price of Checks eggs as reported by USDA Marketnews minus 25 cents (up to a minimum of 8 cents) adjusted by the differences in prices between regions.

The average price of all eggs is estimated based on the proportions of Jumbo, Extralarge, Large, Medium, Small and Undergrades eggs. Based on the Breeders Performance Manuals up to 90 weeks of age.

Adjustment figures between Urner Barry quotes and producer prices are subject to change monthly and between regions and companies.



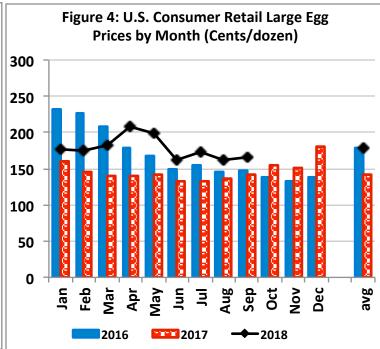




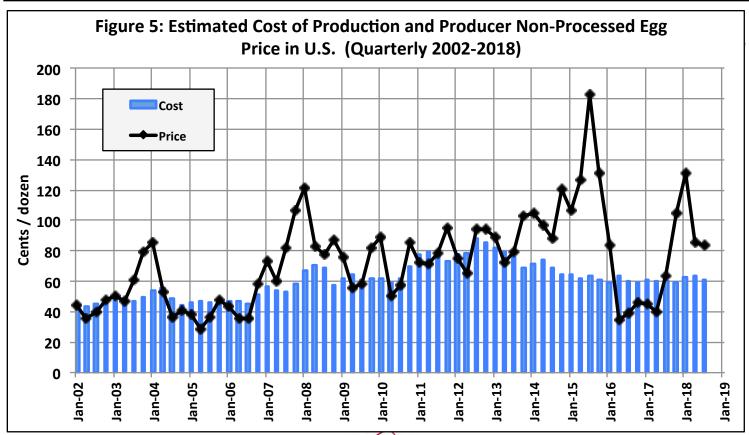
TABLE 9

ESTIMATED TOTAL COSTS comparing Breeders Manuals values vs. some loss in production efficiency (Cents/doz.) - 2018

| month      |         |                              |                               | TOTAL Cost (                   | cents/dozen) |         |         |             |
|------------|---------|------------------------------|-------------------------------|--------------------------------|--------------|---------|---------|-------------|
|            | Manuals | 5% higher<br>feed conv.<br>A | 5% higher<br>pullet feed<br>B | lower eggs/<br>hen housed<br>C | A and B      | A and C | B and C | A, B, and C |
| Jan        | 60.45   | 62.05                        | 60.67                         | 61.02                          | 62.27        | 62.62   | 61.25   | 62.85       |
| Feb        | 62.72   | 64.42                        | 62.95                         | 63.30                          | 64.65        | 65.00   | 63.55   | 65.25       |
| Mar        | 63.66   | 65.40                        | 63.90                         | 64.25                          | 65.64        | 65.99   | 64.50   | 66.25       |
| Apr        | 64.13   | 65.89                        | 64.37                         | 64.72                          | 66.13        | 66.49   | 64.98   | 66.74       |
| May        | 64.47   | 66.25                        | 64.71                         | 65.07                          | 66.49        | 66.84   | 65.32   | 67.10       |
| Jun        | 62.22   | 63.90                        | 62.45                         | 62.81                          | 64.13        | 64.49   | 63.05   | 64.73       |
| Jul        | 61.49   | 63.14                        | 61.72                         | 62.07                          | 63.37        | 63.72   | 62.31   | 63.96       |
| Aug        | 61.40   | 63.04                        | 61.62                         | 61.98                          | 63.27        | 63.62   | 62.21   | 63.86       |
| Sep        | 60.08   | 61.67                        | 60.30                         | 60.65                          | 61.89        | 62.24   | 60.88   | 62.47       |
| Oct        | 59.98   | 61.57                        | 60.20                         | 60.55                          | 61.78        | 62.14   | 60.78   | 62.36       |
| Nov        |         |                              |                               |                                |              |         |         |             |
| Dec        |         |                              |                               |                                |              |         |         |             |
| Month Avg. | 62.06   | 63.73                        | 62.29                         | 62.64                          | 63.96        | 64.32   | 62.88   | 64.56       |

Source: Egg Industry Center, based on Feedstuffs magazine published prices of corn and soybean meal

<sup>&</sup>quot;lower eggs/ hen housed" is the estimated cost if the number of eggs per hen-housed were 5% lower than the breeders manuals value (using 394 eggs/hen-housed instead of 414 eggs/hen-house)





<sup>&</sup>quot;Manuals" is estimated using the weighted average of Breeders Manuals (70% Hyline w-36, 15% Shaver White, 8% Lohmann LSL-Lite and 5% Bovans White) for 20 to 90 weeks of age.

<sup>&</sup>quot;5% higher feed conv." is the estimated cost if the feed conversion were 5% higher than the breeders manuals value (using 3.30 lbs./dozen instead of 3.14 lbs./dozen)

<sup>&</sup>quot;5% higher pullet feed." is the estimated cost if the feed used to grow pullets were 5% higher than the breeders manuals value (using 14.6 lbs./pullet instead of 13.9 lbs./pullet)

LARGE EGG PRICES - CONVENTIONAL (warehouse) AND CAGE-FREE (to 1st receivers) - (\$/dozen)

| <b>TABLE</b> | 10 |
|--------------|----|
|--------------|----|

|               | Conventional White |         |  |  |  |  |
|---------------|--------------------|---------|--|--|--|--|
|               | 4-Regio            | ons AVG |  |  |  |  |
| month         | 2017               | 2018    |  |  |  |  |
| Jan           | 0.83               | 1.26    |  |  |  |  |
| Feb           | 0.71               | 1.61    |  |  |  |  |
| Mar           | 0.69               | 2.14    |  |  |  |  |
| Apr           | 0.74               | 1.86    |  |  |  |  |
| May           | 0.61               | 0.99    |  |  |  |  |
| Jun           | 0.65               | 0.96    |  |  |  |  |
| Jul           | 0.79               | 1.37    |  |  |  |  |
| Aug           | 0.86               | 1.13    |  |  |  |  |
| Sep           | 1.11               | 1.01    |  |  |  |  |
| Oct           | 1.17               | 1.08    |  |  |  |  |
| Nov           | 1.39               |         |  |  |  |  |
| Dec           | 1.77               |         |  |  |  |  |
| 10 Month Avg. | 0.82               | 1.34    |  |  |  |  |

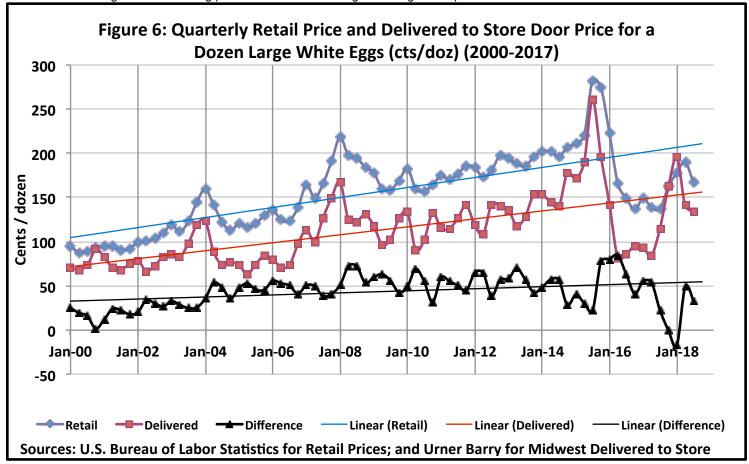
|               | Cage-Free to 1st receivers |            |         |           |  |  |  |
|---------------|----------------------------|------------|---------|-----------|--|--|--|
|               | Contrac                    | ting price | Negotia | ted price |  |  |  |
| month         | 2017                       | 2018       | 2017    | 2018      |  |  |  |
| Jan           | 1.58                       | 1.60       | 0.92    | 1.89      |  |  |  |
| Feb           | 1.64                       | 1.60       | 0.80    | 1.88      |  |  |  |
| Mar           | 1.64                       | 1.60       | 0.74    | 1.88      |  |  |  |
| Apr           | 1.63                       | 1.60       | 0.60    | 1.76      |  |  |  |
| May           | 1.64                       | 1.60       | 0.74    | 1.12      |  |  |  |
| Jun           | 1.60                       | 1.59       | 0.59    | 1.12      |  |  |  |
| Jul           | 1.61                       | 1.59       | 0.85    | 0.96      |  |  |  |
| Aug           | 1.61                       | 1.59       | 0.93    | 1.15      |  |  |  |
| Sep           | 1.60                       | 1.59       | 1.55    | 1.27      |  |  |  |
| Oct           | 1.60                       | 1.56       | 1.75    | 1.44      |  |  |  |
| Nov           | 1.60                       |            | 1.77    |           |  |  |  |
| Dec           | 1.60                       |            | 1.72    |           |  |  |  |
| 10 Month Avg. | 1.62                       | 1.59       | 0.95    | 1.45      |  |  |  |

Source: USDA AMS Poultry Market News and Analysis

Notes: the "Conventional Warehouse" is the simple average of white egg prices of <u>4-regions</u>: MW, NE, SC and SE

the Cage-Free price includes pricing for both white and brown cage-free eggs

cage-free contracting price is cartoned while cage-free negotiated price is loose



Note: the delivered to store door price is estimated from the Urner Barry quoted prices as the 5- region simple average (Northeast, Southeast, South Central, Midwest, and Northwest). California is not considered for the average because of the different production requirements.



We are currently working in developing a new price projection model



TABLE 11: U.S. CORN AND SOYBEAN PLANTINGS, HARVEST, AND UTILIZATION (2014 to 2018)

|                  | <u>Cor</u>                                                          | <u>rn</u> | Production          | Soybe          | <u>Soybeans</u>             |       |  |
|------------------|---------------------------------------------------------------------|-----------|---------------------|----------------|-----------------------------|-------|--|
| Year             | 'ear Planted Harvest Harvested<br>(Million acres) (Million bushels) |           | Planted<br>(Million | Harvest acres) | Harvested (Million bushels) |       |  |
| 2014/15          | 90.6                                                                | 83.1      | 14,216              | 83.3           | 82.6                        | 3,927 |  |
| 2015/16          | 88.0                                                                | 8.08      | 13,601              | 82.7           | 81.7                        | 3,926 |  |
| 2016/17          | 94.0                                                                | 86.7      | 15,148              | 83.4           | 82.7                        | 4,296 |  |
| 2017/18          | 90.2                                                                | 82.7      | 14,604              | 90.1           | 89.5                        | 4,411 |  |
| Projections Octo | ber, 2018                                                           |           |                     | Projections    | October, 201                | 18    |  |
| 2018/19+         | 89.1 *                                                              | 81.8 *    | 14,778              | 89.1 *         | 88.3 *                      | 4,690 |  |

Utilization of Soybean for Various Purposes (Million bushels)

|          | Begin. | Product- |         | Total  |       | Seed Feed  | % Crush of |         |         | Ending |
|----------|--------|----------|---------|--------|-------|------------|------------|---------|---------|--------|
| Year     | Stocks | ion      | Imports | Supply | Crush | & residual | total      | Exports | Net Use | Stocks |
| 2014/15  | 92     | 3,927    | 33      | 4,052  | 1,873 | 96         | 46.2       | 1,842   | 3,862   | 191    |
| 2015/16  | 191    | 3,926    | 24      | 4,140  | 1,886 | 97         | 45.6       | 1,942   | 3,944   | 197    |
| 2016/17  | 197    | 4,296    | 22      | 4,515  | 1,901 | 105        | 42.1       | 2,166   | 4,214   | 302    |
| 2017/18  | 302    | 4,411    | 22      | 4,734  | 2,055 | 104        | 43.4       | 2,129   | 4,296   | 438    |
| 2018/19+ | 438    | 4,690    | 25      | 5,153  | 2,070 | 103        | 40.2       | 2,060   | 4,268   | 885    |

**Utilization of Corn for Various Purposes (Million bushels)** 

|          |                  |                 |         | , , , , , , , , , , , , , , , , , , , , |       |          |                      |         |         | _                |
|----------|------------------|-----------------|---------|-----------------------------------------|-------|----------|----------------------|---------|---------|------------------|
| Year     | Begin.<br>Stocks | Product-<br>ion | Imports | Total<br>Supply                         | Feed  | (Fuel) * | Food &<br>Industrial | Exports | Net Use | Ending<br>Stocks |
| 2014/15  | 1,232            | 14,216          | 32      | 15,479                                  | 5,280 | 5,200    | 6,601                | 1,867   | 13,748  | 1,731            |
| 2015/16  | 1,731            | 13,602          | 68      | 15,401                                  | 5,114 | 5,224    | 6,648                | 1,901   | 13,664  | 1,737            |
| 2016/17  | 1,737            | 15,148          | 57      | 16,942                                  | 5,470 | 5,432    | 6,885                | 2,294   | 14,649  | 2,293            |
| 2017/18  | 2,293            | 14,604          | 36      | 16,934                                  | 5,302 | 5,601    | 7,054                | 2,438   | 14,793  | 2,140            |
| 2018/19+ | 2,140            | 14,778          | 50      | 16,968                                  | 5,550 | 5,650    | 7,130                | 2,475   | 15,155  | 1,813            |

<sup>+ (</sup>forecast October, 2018)

<sup>\*</sup> Fuel is included in the "Food and Industrial" category

|          | Feed  | Fuel  | Food & Industrial * | Exports | Ending<br>Stocks |
|----------|-------|-------|---------------------|---------|------------------|
| 2014/15  | 34.1% | 33.6% | 9.1%                | 12.1%   | 11.2%            |
| 2015/16  | 33.2% | 33.9% | 9.2%                | 12.3%   | 11.3%            |
| 2016/17  | 32.3% | 32.1% | 8.6%                | 13.5%   | 13.5%            |
| 2017/18  | 31.3% | 33.1% | 8.6%                | 14.4%   | 12.6%            |
| 2018/19+ | 32.7% | 33.3% | 8.7%                | 14.6%   | 10.7%            |

<sup>\*</sup> excluding the use for fuel

Sources Acknowledgements (double click on the links below and you can go directly to the source):

Feedstuffs weekly newspaper <a href="http://www.feedstuffs.com">http://www.feedstuffs.com</a>

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Don -

Thank you for all your contributions to this industry. You will be forever missed.

Your friends at EIC