U.S. Egg Cost of Production and Prices

March 6, 2020

Compiled by
Maro Ibarburu

Sponsored in part by:

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 USDA AMS Market News. Monthly corn and soybean prices for each region are estimated as the simple average of prices for the States with pricing information in each region (please see map below).

There is no price information for soybean meal in any of the Northeast States. Therefore, we estimate the soybean meal prices for the Northeast region based on the historical relationship with the Midwest price.

The West region prices are estimated as the simple average of California and Oregon prices.

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 regions.

Feed conversion is variable depending on the month. The labor, building and equipment, interest and miscellaneous costs are assumed to be 18.27(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

Note: The X’s mark the States with monthly corn prices reported by USDA.

The red circles with X’s inside ( X ) mark the States with monthly corn and SBM prices reported by USDA.
Highlights and comparison with previous month and previous year.
Prices and Percent Changes

<table>
<thead>
<tr>
<th>Difference with respect to February last year (2020 vs. 2019).</th>
</tr>
</thead>
<tbody>
<tr>
<td>Corn Price ($/ton)</td>
</tr>
<tr>
<td>+0.94</td>
</tr>
</tbody>
</table>

In February, corn prices were $0.94/ton (0.6%) higher than in the previous year. Soybean Meal prices were $9.52/ton lower than February last year.

These changes in prices resulted in a $0.95/ton (0.5%) lower cost of feed and 0.26 cents/doz. (0.4%) lower cost of production than February last year.

The February 2020 egg value to producers was 0.93 cents/doz. (1.3%) lower than in February 2019.

<table>
<thead>
<tr>
<th>Difference with respect to the previous month this year (February 2020 vs. January 2020).</th>
</tr>
</thead>
<tbody>
<tr>
<td>Corn Price ($/ton)</td>
</tr>
<tr>
<td>-2.11</td>
</tr>
</tbody>
</table>

The February corn prices were $2.11/ton (1.4%) lower than the previous month. Soybean Meal prices were $4.64/ton (1.5%) lower.

These changes in prices resulted in a $2.43/ton (1.2%) lower cost of feed and 0.43 cents/doz. (0.7%) lower cost of production than last month.

The February egg value to producers was 16.02 cents/doz. (30.3%) lower than the previous month.
### CORN PRICE BY REGION ($/ton) - 2020

<table>
<thead>
<tr>
<th>Month</th>
<th>Southeast</th>
<th>Northeast</th>
<th>Midwest</th>
<th>South Central</th>
<th>West</th>
<th>5-Region avg.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jan</td>
<td>153.19</td>
<td>152.24</td>
<td>135.54</td>
<td>140.03</td>
<td>182.50</td>
<td>152.70</td>
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<tr>
<td>Feb</td>
<td>150.67</td>
<td>150.77</td>
<td>133.38</td>
<td>137.90</td>
<td>180.25</td>
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<tr>
<td>2 Month Avg.</td>
<td>151.93</td>
<td>151.51</td>
<td>134.46</td>
<td>138.97</td>
<td>181.38</td>
<td>151.65</td>
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<tr>
<td>Region/US avg.</td>
<td>1.00</td>
<td>1.00</td>
<td>0.89</td>
<td>0.92</td>
<td>1.20</td>
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</table>

Source: USDA AMS Marketnews

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

### SOYBEAN MEAL PRICE BY REGION ($/ton) - 2020

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<th>Northeast</th>
<th>Midwest</th>
<th>South Central</th>
<th>West</th>
<th>5-Region avg.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jan</td>
<td>310.63</td>
<td>313.67</td>
<td>284.08</td>
<td>300.13</td>
<td>338.20</td>
<td>309.34</td>
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<td>302.96</td>
<td>308.25</td>
<td>278.85</td>
<td>293.95</td>
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<tr>
<td>2 Month Avg.</td>
<td>306.79</td>
<td>310.96</td>
<td>281.46</td>
<td>297.04</td>
<td>338.85</td>
<td>307.02</td>
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<td>Region/US avg.</td>
<td>1.00</td>
<td>1.01</td>
<td>0.92</td>
<td>0.97</td>
<td>1.10</td>
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</tr>
</tbody>
</table>

Source: USDA AMS Marketnews

There are no reported soybean meal prices for any location in the Northeast. Therefore, it was approximated using the historical relationship between the Midwest and the Northeast prices.

Note: "5-Region avg" is the simple average of the NE, SE, SC, MW, and West regions.
### TABLE 3

<table>
<thead>
<tr>
<th>Month</th>
<th>Southeast</th>
<th>Northeast</th>
<th>Midwest</th>
<th>South Central</th>
<th>West</th>
<th>5-Region avg.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jan</td>
<td>200.91</td>
<td>200.94</td>
<td>183.24</td>
<td>189.78</td>
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<td>198.77</td>
<td>180.65</td>
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<tr>
<td>2 Month Avg.</td>
<td>199.22</td>
<td>199.86</td>
<td>181.94</td>
<td>188.39</td>
<td>226.00</td>
<td>199.08</td>
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<td>Region/US avg.</td>
<td>1.00</td>
<td>1.00</td>
<td>0.91</td>
<td>0.95</td>
<td>1.14</td>
<td></td>
</tr>
</tbody>
</table>

Source: Egg Industry Center. Estimated based on corn and soybean meal prices reported by USDA AMS Marketnews and all other costs total $29.9/ton. ... these costs had been estimated as 1.043 * year 2018 costs until we get a new COP survey.

**Assumptions:**

<table>
<thead>
<tr>
<th>Diet Composition</th>
<th>Transport</th>
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</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>Percent</td>
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</tr>
<tr>
<td>Corn</td>
<td>67%</td>
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<td>SBM</td>
<td>22%</td>
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<tr>
<td>Calcium*</td>
<td>8%</td>
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<tr>
<td>Other ingredients*</td>
<td>3%</td>
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<tr>
<td>Costs*</td>
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<tr>
<td>and Milling</td>
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<td>$/Ton variable</td>
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<td>variable</td>
<td>4.9</td>
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<tr>
<td>variable</td>
<td>13.5</td>
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<tr>
<td>Calcium*</td>
<td>11.6</td>
</tr>
</tbody>
</table>

* These are standardized costs

### TABLE 4

<table>
<thead>
<tr>
<th>Month</th>
<th>Southeast</th>
<th>Northeast</th>
<th>Midwest</th>
<th>South Central</th>
<th>West</th>
<th>5-Region avg.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jan</td>
<td>3.83</td>
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<td>3.70</td>
<td>3.75</td>
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<td>3.68</td>
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<td>3.81</td>
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<tr>
<td>2 Month Avg.</td>
<td>3.82</td>
<td>3.82</td>
<td>3.69</td>
<td>3.74</td>
<td>4.02</td>
<td>3.82</td>
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<tr>
<td>Region/US avg.</td>
<td>1.00</td>
<td>1.00</td>
<td>0.97</td>
<td>0.98</td>
<td>1.05</td>
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</tr>
</tbody>
</table>

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 = 84.5 cents/baby chick, moving cost = 16.7 cents/pullet, and other costs = 132.5 cents/pullet (for all regions) these costs had been estimated as 1.043 * year 2018 costs until we get a new COP survey.

Note: "5-Region avg" is the simple average of the NE, SE, SC, MW, and NW regions.
### Table 5: Estimated Pullet Cost by Region under 1-cycle Systems (Cents/doz.) - 2020

<table>
<thead>
<tr>
<th>Month</th>
<th>Southeast</th>
<th>Northeast</th>
<th>Midwest</th>
<th>South Central</th>
<th>West</th>
<th>5-Region Avg.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jan</td>
<td>11.10</td>
<td>11.10</td>
<td>10.72</td>
<td>10.86</td>
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<td>Feb</td>
<td>11.03</td>
<td>11.06</td>
<td>10.67</td>
<td>10.80</td>
<td>11.63</td>
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<tr>
<td>2 Month Avg.</td>
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<tr>
<td>Region/US Avg.</td>
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<td>1.00</td>
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</tbody>
</table>

Source: Egg Industry Center

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

### Table 6: Estimated Feed Cost by Region under 1-cycle Systems (Cents/doz.) - 2020

<table>
<thead>
<tr>
<th>Month</th>
<th>Southeast</th>
<th>Northeast</th>
<th>Midwest</th>
<th>South Central</th>
<th>West</th>
<th>5-Region Avg.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jan</td>
<td>31.54</td>
<td>31.55</td>
<td>28.77</td>
<td>29.80</td>
<td>35.58</td>
<td>31.45</td>
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<tr>
<td>2 Month Avg.</td>
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<td>Region/US Avg.</td>
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<td>1.00</td>
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</tbody>
</table>

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

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**Figure 1: Monthly U.S. Cost of Layer Feed (2010-2020)**

- **2010-2019**
- **2020**
- **12 month run avg.**

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.) - 2020 *

<table>
<thead>
<tr>
<th>Month</th>
<th>Southeast</th>
<th>Northeast</th>
<th>Midwest</th>
<th>South Central</th>
<th>Northwest</th>
<th>California</th>
<th>5-Region avg.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jan</td>
<td>60.92</td>
<td>60.92</td>
<td>57.76</td>
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<td>65.51</td>
<td>86.51</td>
<td>60.81</td>
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<tr>
<td>Feb</td>
<td>60.32</td>
<td>60.54</td>
<td>57.30</td>
<td>58.43</td>
<td>65.29</td>
<td>86.29</td>
<td>60.38</td>
</tr>
<tr>
<td>Mar</td>
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</tr>
<tr>
<td>2 Month Avg.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Region/US avg.</td>
<td>1.00</td>
<td>1.00</td>
<td>0.95</td>
<td>0.97</td>
<td>1.08</td>
<td>1.43</td>
<td>1.00</td>
</tr>
</tbody>
</table>

Source: Egg Industry Center.

* 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 18.27 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:

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 115% higher (144 in²/67 in²) than on the other regions which put them at at 39.27 cents/dozen (18.27 * 144/67)

These costs had been estimated as 1.043 * year 2018 costs until we get a new COP survey 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.

---

**Figure 2: Cost of Production by Month**

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.
## TABLE 8

<table>
<thead>
<tr>
<th>month</th>
<th>Farm Value for All White Egg Sizes (cents/Doz)</th>
<th>Retail Price for Large White Eggs (cents/Doz)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jan</td>
<td>95.0</td>
<td>78.0</td>
</tr>
<tr>
<td>Feb</td>
<td>120.7</td>
<td>69.8</td>
</tr>
<tr>
<td>Mar</td>
<td>184.2</td>
<td>60.7</td>
</tr>
<tr>
<td>Apr</td>
<td>118.4</td>
<td>39.7</td>
</tr>
<tr>
<td>May</td>
<td>65.1</td>
<td>23.1</td>
</tr>
<tr>
<td>Jun</td>
<td>76.8</td>
<td>38.5</td>
</tr>
<tr>
<td>Jul</td>
<td>94.4</td>
<td>29.7</td>
</tr>
<tr>
<td>Aug</td>
<td>85.8</td>
<td>57.6</td>
</tr>
<tr>
<td>Sep</td>
<td>73.4</td>
<td>57.5</td>
</tr>
<tr>
<td>Oct</td>
<td>81.1</td>
<td>49.0</td>
</tr>
<tr>
<td>Nov</td>
<td>95.6</td>
<td>106.8</td>
</tr>
<tr>
<td>Dec</td>
<td>90.7</td>
<td>81.0</td>
</tr>
<tr>
<td>Avg.</td>
<td>107.8</td>
<td>73.9</td>
</tr>
<tr>
<td>12 Month Avg.</td>
<td>98.4</td>
<td>57.6</td>
</tr>
</tbody>
</table>

Source: Estimated using Urner Barry's price quotations by regions  
Source: Bureau of Labor Statistics (Dept. of Commerce)

For this report, the value 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 40.32 cents/dozen and it is estimated as the sum of the following costs estimated in the PCT study published in April 2019: carton cost + case cost + finishing cost + processing cost + cost of delivering to store door + loss from store returns + additional cost of USDA certification.

The average price of all eggs is estimated based on the proportions of Jumbo, Extra-large, Large, Medium, Small and Undergrades eggs. Based on the Breeders Performance Manuals up to 90 weeks of age, assuming 5% check eggs and 1% loss.

Adjustment figures between Urner Barry quotes and producer prices are subject to change monthly and between regions and companies.
### TABLE 9

<table>
<thead>
<tr>
<th>month</th>
<th>Manuals</th>
<th>5% higher feed conv.</th>
<th>5% higher pullet feed</th>
<th>TOTAL Cost (cents/ dozen)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>A</td>
<td>B</td>
<td>C</td>
<td>A and B</td>
</tr>
<tr>
<td>Jan</td>
<td>60.81</td>
<td>62.38</td>
<td>61.03</td>
<td>61.39</td>
</tr>
<tr>
<td>Feb</td>
<td>60.38</td>
<td>61.93</td>
<td>60.59</td>
<td>60.96</td>
</tr>
<tr>
<td>Mar</td>
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<td>Apr</td>
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<tr>
<td>Dec</td>
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</tr>
<tr>
<td>2 Month Avg.</td>
<td>60.59</td>
<td>62.16</td>
<td>60.81</td>
<td>61.17</td>
</tr>
</tbody>
</table>

Source: Egg Industry Center, based on USDA Marketnews published prices of corn and soybean meal

*“Manuals” is estimated using the weighted average of Breeder Manuals (70% Hyline w-36, 15% Shaver White, 8% Lohmann LSL-Lite and 5% Boyans White) for 20 to 90 weeks of age.*

*“5% higher feed conv.” is the estimated cost if the feed conversion were 5% higher than the breeding manuals value (using 3.30 lbs./dozen instead of 3.14 lbs./dozen)*

*“5% higher pullet feed.” is the estimated cost if the feed used to grow pullets were 5% higher than the breeding manuals value (using 14.6 lbs./pullet instead of 13.9 lbs./pullet)*

*“lower eggs/ hen housed” is the estimated cost if the number of eggs per hen-housed were 5% lower than the breeding manuals value (using 394 eggs/hen-housed instead of 414 eggs/hen-house)*

---

**Figure 5: Estimated Cost of Production and Producer Non-Processed Egg Value in U.S. (Quarterly 2010-2019)**

- **Cost**
- **Value**

![Figure 5: Estimated Cost of Production and Producer Non-Processed Egg Value in U.S. (Quarterly 2010-2019)](image-url)
LARGE EGG PRICES - CONVENTIONAL (warehouse) AND CAGE-FREE (to 1st receivers) - ($/dozen)  

<table>
<thead>
<tr>
<th>month</th>
<th>4-Regions AVG 2019</th>
<th>2020</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jan</td>
<td>1.13</td>
<td>0.78</td>
</tr>
<tr>
<td>Feb</td>
<td>1.14</td>
<td>1.04</td>
</tr>
<tr>
<td>Mar</td>
<td>0.91</td>
<td></td>
</tr>
<tr>
<td>Apr</td>
<td>0.74</td>
<td></td>
</tr>
<tr>
<td>May</td>
<td>0.50</td>
<td></td>
</tr>
<tr>
<td>Jun</td>
<td>0.61</td>
<td></td>
</tr>
<tr>
<td>Jul</td>
<td>0.57</td>
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<tr>
<td>Aug</td>
<td>0.73</td>
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<tr>
<td>Sep</td>
<td>0.92</td>
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<td>Oct</td>
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<td>Nov</td>
<td>1.29</td>
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<tr>
<td>Dec</td>
<td>1.28</td>
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<tr>
<td>2 Month Avg.</td>
<td>1.14</td>
<td>0.91</td>
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</table>

<table>
<thead>
<tr>
<th>month</th>
<th>Contracting price 2019</th>
<th>2020</th>
<th>Negotiated price 2019</th>
<th>2020</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jan</td>
<td>1.56</td>
<td>1.53</td>
<td>1.52</td>
<td>0.81</td>
</tr>
<tr>
<td>Feb</td>
<td>1.56</td>
<td>1.53</td>
<td>1.62</td>
<td>0.86</td>
</tr>
<tr>
<td>Mar</td>
<td>1.50</td>
<td></td>
<td>1.47</td>
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<tr>
<td>Apr</td>
<td>1.56</td>
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<tr>
<td>May</td>
<td>1.56</td>
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<td>0.75</td>
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<tr>
<td>Jun</td>
<td>1.56</td>
<td></td>
<td>0.84</td>
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<tr>
<td>Jul</td>
<td>1.54</td>
<td></td>
<td>0.63</td>
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<tr>
<td>Aug</td>
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<tr>
<td>Nov</td>
<td>1.53</td>
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<td>1.21</td>
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<tr>
<td>Dec</td>
<td>1.53</td>
<td></td>
<td>1.16</td>
<td></td>
</tr>
<tr>
<td>2 Month Avg.</td>
<td>1.56</td>
<td>1.53</td>
<td>1.57</td>
<td>0.84</td>
</tr>
</tbody>
</table>

Source: USDA AMS Poultry Market News and Analysis  
Notes:  
the "Conventional Warehouse" is the simple average of white egg prices of 4 regions: 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

Figure 6: Quarterly Retail Price and Delivered to Store Door Price for a Dozen Large White Eggs (cents/doz) (2000-2019)

Sources: U.S. Bureau of Labor Statistics for Retail Prices; and Urner Barry for Midwest Delivered to Store  
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.
### TABLE 11: U.S. CORN AND SOYBEAN PLANTINGS, HARVEST, AND UTILIZATION (2016 to 2020)

<table>
<thead>
<tr>
<th>Year</th>
<th>Corn Planted (Million acres)</th>
<th>Corn Harvested (Million bushels)</th>
<th>Soybeans Planted (Million acres)</th>
<th>Soybeans Harvested (Million bushels)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2015/16</td>
<td>88.0</td>
<td>80.8</td>
<td>13,601</td>
<td>82.7</td>
</tr>
<tr>
<td>2016/17</td>
<td>94.0</td>
<td>86.7</td>
<td>15,148</td>
<td>83.5</td>
</tr>
<tr>
<td>2017/18</td>
<td>90.2</td>
<td>82.7</td>
<td>14,609</td>
<td>90.2</td>
</tr>
<tr>
<td>2018/19</td>
<td>88.9</td>
<td>81.3</td>
<td>14,340</td>
<td>89.2</td>
</tr>
<tr>
<td>Projections February, 2020</td>
<td>89.7</td>
<td>81.5</td>
<td>13,692</td>
<td>76.1</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Year</th>
<th>Begin. Stocks</th>
<th>Production</th>
<th>Imports</th>
<th>Total Supply</th>
<th>Crush</th>
<th>Seed Feed &amp; residual</th>
<th>% Crush of total</th>
<th>Exports</th>
<th>Net Use</th>
<th>Ending Stocks</th>
</tr>
</thead>
<tbody>
<tr>
<td>2015/16</td>
<td>191</td>
<td>3,926</td>
<td>24</td>
<td>4,140</td>
<td>1,886</td>
<td>97</td>
<td>45.6</td>
<td>1,942</td>
<td>3,944</td>
<td>197</td>
</tr>
<tr>
<td>2016/17</td>
<td>197</td>
<td>4,296</td>
<td>22</td>
<td>4,516</td>
<td>1,901</td>
<td>105</td>
<td>42.1</td>
<td>2,166</td>
<td>4,214</td>
<td>302</td>
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<tr>
<td>2017/18</td>
<td>302</td>
<td>4,412</td>
<td>22</td>
<td>4,735</td>
<td>2,055</td>
<td>104</td>
<td>43.4</td>
<td>2,134</td>
<td>4,297</td>
<td>438</td>
</tr>
<tr>
<td>2018/19</td>
<td>438</td>
<td>4,428</td>
<td>14</td>
<td>4,880</td>
<td>2,092</td>
<td>88</td>
<td>42.9</td>
<td>1,748</td>
<td>3,971</td>
<td>909</td>
</tr>
<tr>
<td>2019/20+</td>
<td>909</td>
<td>3,558</td>
<td>15</td>
<td>4,482</td>
<td>2,105</td>
<td>96</td>
<td>47.0</td>
<td>1,825</td>
<td>4,058</td>
<td>425</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Year</th>
<th>Begin. Stocks</th>
<th>Production</th>
<th>Imports</th>
<th>Total Supply</th>
<th>Feed (Fuel)</th>
<th>Food &amp; Industrial</th>
<th>Exports</th>
<th>Net Use</th>
<th>Ending Stocks</th>
</tr>
</thead>
<tbody>
<tr>
<td>2015/16</td>
<td>1,731</td>
<td>13,602</td>
<td>68</td>
<td>15,401</td>
<td>5,114</td>
<td>5,224</td>
<td>6,648</td>
<td>1,901</td>
<td>13,664</td>
</tr>
<tr>
<td>2016/17</td>
<td>1,737</td>
<td>15,148</td>
<td>57</td>
<td>16,942</td>
<td>5,470</td>
<td>5,432</td>
<td>6,885</td>
<td>2,294</td>
<td>14,649</td>
</tr>
<tr>
<td>2017/18</td>
<td>2,293</td>
<td>14,609</td>
<td>36</td>
<td>16,939</td>
<td>5,304</td>
<td>5,605</td>
<td>7,057</td>
<td>2,438</td>
<td>14,798</td>
</tr>
<tr>
<td>2018/19</td>
<td>2,140</td>
<td>14,340</td>
<td>28</td>
<td>16,509</td>
<td>5,432</td>
<td>5,376</td>
<td>6,791</td>
<td>2,065</td>
<td>14,288</td>
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<tr>
<td>2019/20+</td>
<td>2,221</td>
<td>13,692</td>
<td>50</td>
<td>15,962</td>
<td>5,525</td>
<td>5,375</td>
<td>6,770</td>
<td>1,775</td>
<td>14,070</td>
</tr>
</tbody>
</table>

* (forecast January, 2020)

* Fuel is included in the "Food and Industrial" category

### Sources Acknowledgements

(double click on the links below and you can go directly to the source):
- Urner Barry: [http://www.ubcomtell.com/](http://www.ubcomtell.com/)

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Phone (515) 294-8132

E-mail: maro@iastate.edu

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Don -

Thank you for all your contributions to this industry.

You will be forever missed.

Your friends at EIC