



## Hy-Line®

### BROWN



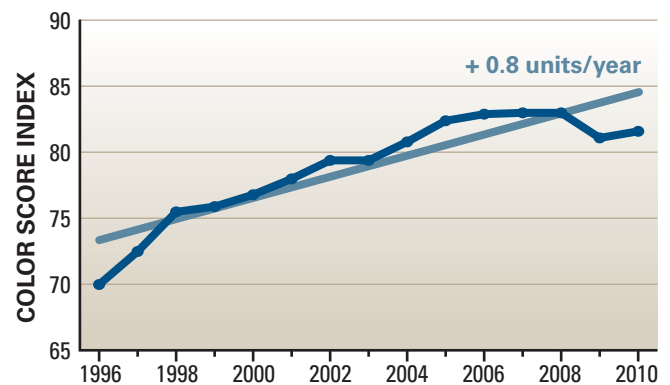
## SELECTING FOR SUPERIOR BROWN EGG QUALITY

From the early years, Hy-Line International has focused the genetic selection program on achieving the highest egg quality. The goal of this program is simply to ensure the highest percentage of saleable eggs free of external and internal defects. Up to 1,000,000 eggs are tested every year in the Hy-Line Egg Quality Laboratories!

Using the latest technology available and often pioneering new egg quality tests, Hy-Line has set the standard to define Egg Quality for the layer industry. Unique and innovative approaches to testing and statistical analysis of the egg quality test results ensure that each generation produces better quality eggs. This dedicated effort is part of the Hy-Line commitment that egg quality leadership will continue into the future.

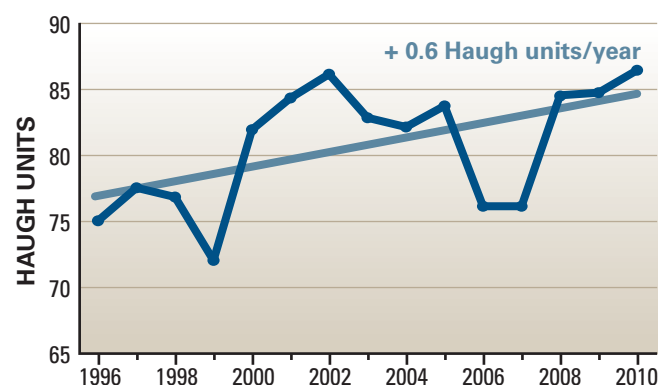
Shell color is an important trait studied by Hy-Line and significant advances have been made in recent years in the brown egg products. The extensive gene pool in Hy-Line's Research Program offers a wide spectrum of options to continue to improve upon this trait. Hy-Line Brown Commercial Layer eggs range from intense browns which score from 80 to over 100 in the scale shown above. Those year-to-year average improvements are shown in the chart above, top right.

### Hy-Line Brown Shell Color Improvement



Another important egg quality measurement is that of albumen height which is very important in markets where raw egg consumption is customary. Also, Haugh Units (used to express albumen height) are used as a global indicator of egg freshness. Eggs with higher albumens can be stored for a longer time while still maintaining their fresh appearance when used by the consumer. Long-term success in the breeding program improving Haugh unit values is demonstrated in the chart below.

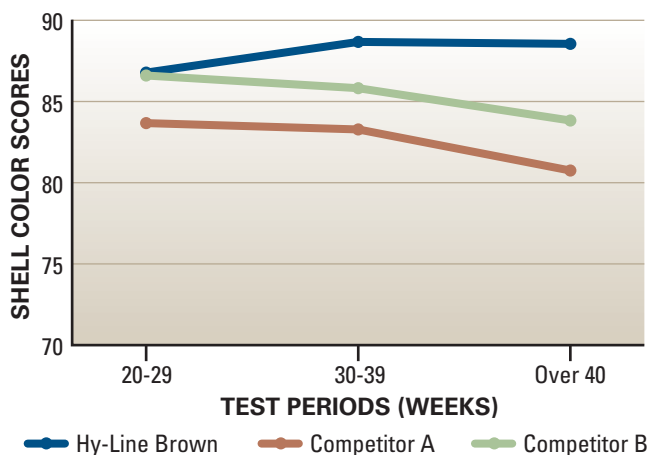
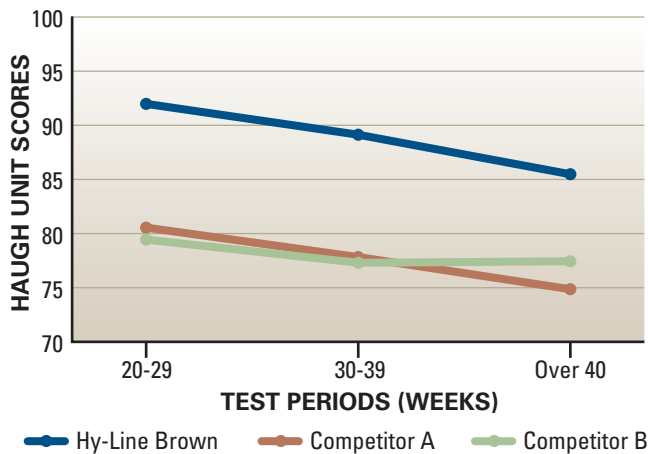
### Hy-Line Brown Albumen Height Improvements



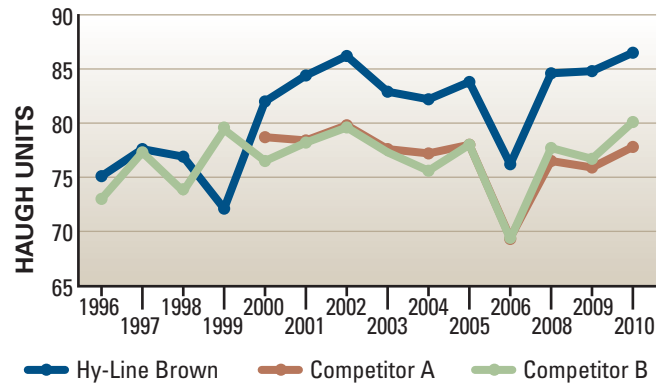
## THE EGG QUALITY DIFFERENCES ARE SIGNIFICANT!

The huge quantities of data collected from all of the egg quality testing are only important if Hy-Line geneticists are convinced the differences are statistically significant. Various statistical models are used to analyze the data to confirm the statistical significance. Comparison after comparison reveals the same, consistent superiority of eggs produced by the Hy-Line Brown.

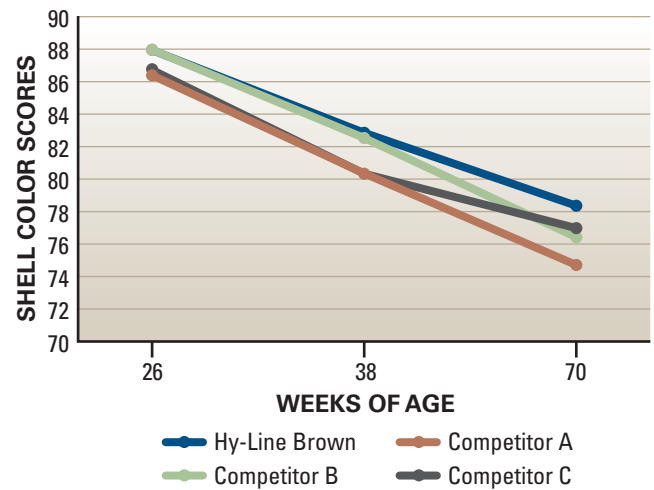
An independent European laboratory did a study comparing Hy-Line Brown Commercial Layer eggs with those from 2 competitive birds. Hy-Line Brown eggs had much higher Haugh Unit Scores as well as higher and more persistent deep brown shell color.



The Hy-Line International Field Test Program is the world's largest with test birds placed in commercial operations in several locations around the world. This Program gives real-world results from Hy-Line and competitive birds producing in different climates with a variety of management systems, feeds, feeding programs and disease challenges. The chart below summarizes the results of albumen height testing comparisons.



Hy-Line International Egg Quality Laboratory test results showed again that Hy-Line Brown eggs had higher and more persistent layers shell color compared to 3 competitive layers.



Superior brown egg quality, the industry's best feed efficiency and lowest mortalities all add up to confirm the decisions of leading egg producers everywhere. Hy-Line Brown is the largest selling brown egg layer in the world! Be sure you are taking advantage of her ability to generate more profits. It's in her genes!



**Hy-Line**

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