

Hy-Line Brown Capabilities—Intensive Systems

Growing Period (to 17 weeks):

| | |
|-------------------------|-------------------|
| Livability | 97% |
| Feed Consumed | 5.62 kg (12.4 lb) |
| Body Weight at 17 Weeks | 1.40 kg (3.09 lb) |

Laying Period (to 110 weeks):

| | |
|--|--|
| Percent Peak | 94-96% |
| Hen-Day Eggs to 60 Weeks | 253-259 |
| Hen-Day Eggs to 80 Weeks | 363-371 |
| Hen-Housed Eggs to 60 Weeks | 249-255 |
| Hen-Housed Eggs to 80 Weeks | 354-361 |
| Livability to 60 Weeks | 97% |
| Livability to 80 Weeks | 94% |
| Days to 50% Production (from hatch) | 140 |
| Egg Weight at 26 Weeks | 58.5 g/egg (46.4 lb/case) |
| Egg Weight at 32 Weeks | 61.6 g/egg (48.9 lb/case) |
| Egg Weight at 70 Weeks | 64.1 g/egg (50.9 lb/case) |
| Total Egg Mass per Hen-Housed (18–80 weeks) | 22.0 kg (48.6 lb) |
| Body Weight at 32 Weeks | 1.91 kg (4.21 lb) |
| Body Weight at 70 Weeks | 1.97 kg (4.34 lb) |
| Freedom From Egg Inclusions | Excellent |
| Shell Strength | Excellent |
| Shell Color at 38 Weeks | 87 |
| Shell Color at 56 Weeks | 85 |
| Shell Color at 70 Weeks | 81 |
| Haugh Units at 38 Weeks | 90 |
| Haugh Units at 56 Weeks | 84 |
| Haugh Units at 70 Weeks | 81 |
| Average Daily Feed Consumption (18–80 weeks) | 107 g/day per bird (23.6 lb/day per 100 birds) |
| Feed Conversion Rate, kg Feed/kg Eggs or lb Feed/lb Eggs (20-60 weeks) | 1.99 |
| Feed Conversion Rate, kg Feed/kg Eggs or lb Feed/lb Eggs (20–80 weeks) | 2.04 |
| Feed Utilization, kg Egg/kg Feed or lb Egg/lb Feed (20-60 weeks) | 0.503 |
| Feed Utilization, kg Egg/kg Feed or lb Egg/lb Feed (20-80 weeks) | 0.490 |
| Feed per Dozen Eggs (20-60 Weeks) | 1.47 kg (3.24 lb) |
| Feed per Dozen Eggs (20-80 weeks) | 1.53 kg (3.38 lb) |
| Skin Color | Yellow |
| Condition of Droppings | Dry |

The genetic potential of Hy-Line varieties can only be realized if good poultry husbandry practices and management are used. The above information is based on field experience compiled by Hy-Line, extensive commercial flock records cataloged by Hy-Line from all parts of the world and principles taken from industry technical literature. It should be used for guidance and educational purposes only, recognizing that local environmental and disease conditions may vary and a handout cannot cover all possible circumstances.

| Hy-Line Brown Target Weights Intensive Systems | | |
|---|--------------|------|
| —Growing Period— | | |
| Age in Weeks | Body Weight* | |
| | g | lb |
| 1 | 70 | 0.15 |
| 2 | 120 | 0.26 |
| 3 | 180 | 0.40 |
| 4 | 250 | 0.55 |
| 5 | 340 | 0.75 |
| 6 | 440 | 0.97 |
| 7 | 540 | 1.19 |
| 8 | 640 | 1.41 |
| 9 | 750 | 1.65 |
| 10 | 860 | 1.90 |
| 11 | 960 | 2.12 |
| 12 | 1060 | 2.34 |
| 13 | 1140 | 2.51 |
| 14 | 1200 | 2.65 |
| 15 | 1260 | 2.78 |
| 16 | 1320 | 2.91 |
| 17** | 1400 | 3.09 |
| 18 | 1480 | 3.26 |

* Pullets grown on the floor, or in a tropical climate, can be 50 g (0.1 lb) lighter than shown.

** Move to Lay House

| Hy-Line Brown Feed Consumption* Intensive Systems | | | | |
|--|----------------|----------------------|------------|------------|
| —Growing Period— | | | | |
| Age in weeks | Daily | | Cumulative | |
| | g/day per bird | lb/day per 100 birds | g to date | lb to date |
| 1 | 10 | 2.20 | 70 | 0.15 |
| 2 | 18 | 3.97 | 196 | 0.43 |
| 3 | 21 | 4.63 | 343 | 0.76 |
| 4 | 27 | 5.95 | 532 | 1.17 |
| 5 | 30 | 6.61 | 742 | 1.64 |
| 6 | 36 | 7.94 | 994 | 2.19 |
| 7 | 40 | 8.82 | 1274 | 2.81 |
| 8 | 43 | 9.48 | 1575 | 3.47 |
| 9 | 49 | 10.80 | 1918 | 4.23 |
| 10 | 54 | 11.90 | 2296 | 5.06 |
| 11 | 58 | 12.79 | 2702 | 5.96 |
| 12 | 62 | 13.67 | 3136 | 6.91 |
| 13 | 65 | 14.33 | 3591 | 7.92 |
| 14 | 68 | 14.99 | 4067 | 8.97 |
| 15 | 70 | 15.43 | 4557 | 10.05 |
| 16 | 75 | 16.53 | 5082 | 11.20 |
| 17 | 77 | 16.98 | 5621 | 12.39 |

* Pullets feed consumption varies with feed formulation and environmental temperatures.

Hy-Line Brown Growing Period Nutritional Recommendations—Intensive Systems

| Item ¹ | Starter 1 | Starter 2 | Grower | Developer | Pre-lay ⁵ |
|---|-------------|-------------|-------------|-------------|----------------------|
| Feed to a body weight of | 200 g | 450 g | 1070 g | 1260 g | 1400 g |
| Approximate age | 0–3 weeks | 4–6 weeks | 7–12 weeks | 13–15 weeks | 16–17 weeks |
| Recommended concentration² | | | | | |
| Metabolizable energy, kcal/lb | 1275–1325 | 1275–1325 | 1265–1315 | 1230–1280 | 1240–1330 |
| Metabolizable energy, kcal/kg | 2811–2922 | 2811–2922 | 2789–2900 | 2712–2822 | 2734–2933 |
| Metabolizable energy, MJ/kg | 11.77–12.23 | 11.77–12.23 | 11.68–12.14 | 11.35–11.81 | 11.44–12.28 |
| Minimum recommended concentration | | | | | |
| Standardized (true) ileal digestible amino acids | | | | | |
| Lysine, % | 0.99 | 0.90 | 0.80 | 0.65 | 0.70 |
| Methionine, % | 0.45 | 0.41 | 0.38 | 0.31 | 0.34 |
| Methionine + cystine, % | 0.75 | 0.70 | 0.65 | 0.57 | 0.63 |
| Threonine, % | 0.63 | 0.59 | 0.54 | 0.44 | 0.48 |
| Tryptophan, % | 0.18 | 0.17 | 0.17 | 0.14 | 0.15 |
| Arginine, % | 1.06 | 0.96 | 0.86 | 0.70 | 0.75 |
| Isoleucine, % | 0.69 | 0.65 | 0.59 | 0.49 | 0.56 |
| Valine, % | 0.71 | 0.67 | 0.62 | 0.52 | 0.60 |
| Total amino acids³ | | | | | |
| Lysine, % | 1.08 | 0.99 | 0.88 | 0.71 | 0.77 |
| Methionine, % | 0.48 | 0.45 | 0.40 | 0.33 | 0.37 |
| Methionine + cystine, % | 0.85 | 0.79 | 0.73 | 0.65 | 0.71 |
| Threonine, % | 0.75 | 0.69 | 0.63 | 0.52 | 0.57 |
| Tryptophan, % | 0.21 | 0.20 | 0.20 | 0.17 | 0.18 |
| Arginine, % | 1.14 | 1.04 | 0.92 | 0.75 | 0.81 |
| Isoleucine, % | 0.75 | 0.70 | 0.64 | 0.52 | 0.60 |
| Valine, % | 0.79 | 0.73 | 0.69 | 0.57 | 0.66 |
| Crude protein (nitrogen × 6.25), ³ % | 20.00 | 18.25 | 17.50 | 16.00 | 16.50 |
| Calcium, ⁴ % | 1.00 | 1.00 | 1.00 | 1.40 | 2.50 |
| Phosphorus (available), % | 0.45 | 0.44 | 0.43 | 0.45 | 0.48 |
| Sodium, % | 0.18 | 0.17 | 0.17 | 0.18 | 0.18 |
| Chloride, % | 0.18 | 0.17 | 0.17 | 0.18 | 0.18 |
| Linoleic acid (C18:2 n-6), % | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |

¹ Change diets at the recommended target body weight—the approximate age is a guide only.

² Differences in the metabolizable energy value assigned to feed ingredients of the same name can differ substantially; in some cases, the recommended dietary energy content may have to be adjusted accordingly (see Hy-Line Online Management Guide for additional information).

³ The minimum recommendations for total amino acids and crude protein are only appropriate with a corn and soybean meal diet; please formulate the diet on digestible amino acid basis instead.

⁴ Calcium should be supplied as a fine calcium carbonate source (mean particle size less than 2 mm).

⁵ Do not feed the pre-lay diet beyond the first egg as it does not contain sufficient calcium to sustain egg production.

| Hy-Line Brown Laying Period Nutritional Recommendations—Intensive Systems | | | | |
|---|-------------------------------------|---|--|--|
| Item ¹ | Peaking Point of lay to 32 weeks | Above 93% to 89% egg production 33–44 weeks | 88 to 85% egg production 45–58 weeks | Less than 85% egg production 59+ weeks |
| Recommended concentration² | | | | |
| Metabolizable energy, kcal/lb | 1260–1300 | 1240–1300 | 1215–1300 | 1160–1285 |
| Metabolizable energy, kcal/kg | 2778–2867 | 2734–2867 | 2679–2867 | 2558–2833 |
| Metabolizable energy, MJ/kg | 11.63–12.00 | 11.44–12.00 | 11.21–12.00 | 10.71–11.86 |
| Minimum recommended concentration | | | | |
| Standardized (true) ileal digestible amino acids | | | | |
| Lysine, mg/day | 850 | 840 | 800 | 750 |
| Methionine, mg/day | 417 | 412 | 392 | 368 |
| Methionine + cystine, mg/day | 714 | 722 | 688 | 645 |
| Threonine, mg/day | 595 | 588 | 560 | 525 |
| Tryptophan, mg/day | 179 | 176 | 168 | 158 |
| Arginine, mg/day | 910 | 899 | 856 | 803 |
| Isoleucine, mg/day | 672 | 664 | 632 | 593 |
| Valine, mg/day | 765 | 756 | 720 | 675 |
| Total amino acids³ | | | | |
| Lysine, mg/day | 931 | 920 | 876 | 821 |
| Methionine, mg/day | 448 | 443 | 422 | 395 |
| Methionine + cystine, mg/day | 805 | 815 | 776 | 727 |
| Threonine, mg/day | 700 | 692 | 659 | 618 |
| Tryptophan, mg/day | 213 | 211 | 201 | 188 |
| Arginine, mg/day | 978 | 966 | 920 | 863 |
| Isoleucine, mg/day | 722 | 714 | 680 | 637 |
| Valine, mg/day | 844 | 834 | 794 | 744 |
| Crude protein (nitrogen × 6.25), ³ g/day | 17.00 | 16.75 | 16.00 | 15.50 |
| Calcium, ⁴ g/day | 4.00 | 4.40 | 4.70 | 4.90 |
| Phosphorus (available), mg/day | 440 | 400 | 360 | 350 |
| Sodium, mg/day | 180 | 180 | 180 | 180 |
| Chloride, mg/day | 180 | 180 | 180 | 180 |
| Linoleic acid (C18:2 n-6), g/day | 1.00 | 1.00 | 1.00 | 1.00 |
| Choline, mg/day | 100 | 100 | 100 | 100 |

¹ Consumption of amino acids, fat, linoleic acid, and/or energy may be changed to optimize egg size.

² The recommended energy range is based on the energy values shown in the Hy-Line Online Management Guide. Differences in the metabolizable energy value assigned to feed ingredients of the same name can differ substantially; in some cases, the recommended dietary energy content may have to be adjusted accordingly (see Hy-Line Online Management Guide for additional information).

³ Total amino acids are only appropriate with a corn and soybean meal diet; please formulate the diet on digestible amino acid basis if a substantial amount of other protein-supplying ingredients are used.

⁴ Approximately 65% of the added calcium carbonate (limestone) should be in particle sizes of 2–4 mm.

Hy-Line Brown Laying Period Nutritional Recommendations—Intensive Systems

| Item ¹ | Peaking | | | | | Above 93% to 89% egg production | | | | | 88% to 85% egg production | | | | | Less than 85% egg production | | | | |
|---|--------------------------|-------|--------------|-------|-------|------------------------------------|-------|--------------|-------|-------|------------------------------|-------|--------------|-------|-------|---------------------------------|-------|--------------|-------|-------|
| | Point of lay to 32 weeks | | | | | 33–44 weeks | | | | | 45–58 weeks | | | | | 59+ weeks | | | | |
| Recommended concentration² | | | | | | | | | | | | | | | | | | | | |
| Metabolizable energy, kcal/lb | 1260–1300 | | | | | 1240–1300 | | | | | 1215–1300 | | | | | 1160–1285 | | | | |
| Metabolizable energy, kcal/kg | 2778–2867 | | | | | 2734–2867 | | | | | 2679–2867 | | | | | 2558–2833 | | | | |
| Metabolizable energy, MJ/kg | 11.63–12.00 | | | | | 11.44–12.00 | | | | | 11.21–12.00 | | | | | 10.71–11.86 | | | | |
| Feed consumption | | | | | | | | | | | | | | | | | | | | |
| g/day per hen | 93 | 98 | 103* | 108 | 113 | 100 | 105 | 110* | 115 | 120 | 100 | 105 | 110* | 115 | 120 | 99 | 104 | 109* | 114 | 119 |
| lb/day per 100 hens | 20.5 | 21.6 | 22.7 | 23.8 | 24.9 | 22.1 | 23.2 | 24.3 | 25.4 | 26.5 | 22.1 | 23.2 | 24.3 | 25.4 | 26.5 | 21.8 | 22.9 | 24.0 | 25.1 | 26.2 |
| Standardized (true) ileal digestible amino acids | | | | | | | | | | | | | | | | | | | | |
| Lysine, % | 0.91 | 0.87 | 0.83 | 0.79 | 0.75 | 0.84 | 0.80 | 0.76 | 0.73 | 0.70 | 0.80 | 0.76 | 0.73 | 0.70 | 0.67 | 0.76 | 0.72 | 0.69 | 0.66 | 0.63 |
| Methionine, % | 0.45 | 0.43 | 0.40 | 0.39 | 0.37 | 0.41 | 0.39 | 0.37 | 0.36 | 0.34 | 0.39 | 0.37 | 0.36 | 0.34 | 0.33 | 0.37 | 0.35 | 0.34 | 0.32 | 0.31 |
| Methionine + cystine, % | 0.77 | 0.73 | 0.69 | 0.66 | 0.63 | 0.72 | 0.69 | 0.66 | 0.63 | 0.60 | 0.69 | 0.66 | 0.63 | 0.60 | 0.57 | 0.65 | 0.62 | 0.59 | 0.57 | 0.54 |
| Threonine, % | 0.64 | 0.61 | 0.58 | 0.55 | 0.53 | 0.59 | 0.56 | 0.53 | 0.51 | 0.49 | 0.56 | 0.53 | 0.51 | 0.49 | 0.47 | 0.53 | 0.50 | 0.48 | 0.46 | 0.44 |
| Tryptophan, % | 0.19 | 0.18 | 0.17 | 0.17 | 0.16 | 0.18 | 0.17 | 0.16 | 0.15 | 0.15 | 0.17 | 0.16 | 0.15 | 0.15 | 0.14 | 0.16 | 0.15 | 0.14 | 0.14 | 0.13 |
| Arginine, % | 0.98 | 0.93 | 0.88 | 0.84 | 0.81 | 0.90 | 0.86 | 0.82 | 0.78 | 0.75 | 0.86 | 0.82 | 0.78 | 0.74 | 0.71 | 0.81 | 0.77 | 0.74 | 0.70 | 0.67 |
| Isoleucine, % | 0.72 | 0.69 | 0.65 | 0.62 | 0.59 | 0.66 | 0.63 | 0.60 | 0.58 | 0.55 | 0.63 | 0.60 | 0.57 | 0.55 | 0.53 | 0.60 | 0.57 | 0.54 | 0.52 | 0.50 |
| Valine, % | 0.82 | 0.78 | 0.74 | 0.71 | 0.68 | 0.76 | 0.72 | 0.69 | 0.66 | 0.63 | 0.72 | 0.69 | 0.65 | 0.63 | 0.60 | 0.68 | 0.65 | 0.62 | 0.59 | 0.57 |
| Total amino acids³ | | | | | | | | | | | | | | | | | | | | |
| Lysine, % | 1.00 | 0.95 | 0.90 | 0.86 | 0.82 | 0.92 | 0.88 | 0.84 | 0.80 | 0.77 | 0.88 | 0.83 | 0.80 | 0.76 | 0.73 | 0.83 | 0.79 | 0.75 | 0.72 | 0.69 |
| Methionine, % | 0.48 | 0.46 | 0.43 | 0.41 | 0.40 | 0.44 | 0.42 | 0.40 | 0.39 | 0.37 | 0.42 | 0.40 | 0.38 | 0.37 | 0.35 | 0.40 | 0.38 | 0.36 | 0.35 | 0.33 |
| Methionine + cystine, % | 0.87 | 0.82 | 0.78 | 0.75 | 0.71 | 0.82 | 0.78 | 0.74 | 0.71 | 0.68 | 0.78 | 0.74 | 0.71 | 0.67 | 0.65 | 0.73 | 0.70 | 0.67 | 0.64 | 0.61 |
| Threonine, % | 0.75 | 0.71 | 0.68 | 0.65 | 0.62 | 0.69 | 0.66 | 0.63 | 0.60 | 0.58 | 0.66 | 0.63 | 0.60 | 0.57 | 0.55 | 0.62 | 0.59 | 0.57 | 0.54 | 0.52 |
| Tryptophan, % | 0.23 | 0.22 | 0.21 | 0.20 | 0.19 | 0.21 | 0.20 | 0.19 | 0.18 | 0.18 | 0.20 | 0.19 | 0.18 | 0.17 | 0.17 | 0.19 | 0.18 | 0.17 | 0.16 | 0.16 |
| Arginine, % | 1.05 | 1.00 | 0.95 | 0.91 | 0.87 | 0.97 | 0.92 | 0.88 | 0.84 | 0.81 | 0.92 | 0.88 | 0.84 | 0.80 | 0.77 | 0.87 | 0.83 | 0.79 | 0.76 | 0.73 |
| Isoleucine, % | 0.78 | 0.74 | 0.70 | 0.67 | 0.64 | 0.71 | 0.68 | 0.65 | 0.62 | 0.60 | 0.68 | 0.65 | 0.62 | 0.59 | 0.57 | 0.64 | 0.61 | 0.58 | 0.56 | 0.54 |
| Valine, % | 0.91 | 0.86 | 0.82 | 0.78 | 0.75 | 0.83 | 0.79 | 0.76 | 0.73 | 0.70 | 0.79 | 0.76 | 0.72 | 0.69 | 0.66 | 0.75 | 0.72 | 0.68 | 0.65 | 0.63 |
| Crude protein (nitrogen × 6.25), ³ % | 18.28 | 17.35 | 16.50 | 15.74 | 15.04 | 16.75 | 15.95 | 15.23 | 14.57 | 13.96 | 16.00 | 15.24 | 14.55 | 13.91 | 13.33 | 15.66 | 14.90 | 14.22 | 13.60 | 13.03 |
| Calcium, ⁴ % | 4.30 | 4.08 | 3.88 | 3.70 | 3.54 | 4.40 | 4.19 | 4.00 | 3.83 | 3.67 | 4.70 | 4.48 | 4.27 | 4.09 | 3.92 | 4.95 | 4.71 | 4.50 | 4.30 | 4.12 |
| Phosphorus (available), % | 0.47 | 0.45 | 0.43 | 0.41 | 0.39 | 0.40 | 0.38 | 0.36 | 0.35 | 0.33 | 0.36 | 0.34 | 0.33 | 0.31 | 0.30 | 0.35 | 0.34 | 0.32 | 0.31 | 0.29 |
| Sodium, % | 0.19 | 0.18 | 0.17 | 0.17 | 0.16 | 0.18 | 0.17 | 0.16 | 0.16 | 0.15 | 0.18 | 0.17 | 0.16 | 0.16 | 0.15 | 0.18 | 0.17 | 0.17 | 0.16 | 0.15 |
| Chloride, % | 0.19 | 0.18 | 0.17 | 0.17 | 0.16 | 0.18 | 0.17 | 0.16 | 0.16 | 0.15 | 0.18 | 0.17 | 0.16 | 0.16 | 0.15 | 0.18 | 0.17 | 0.17 | 0.16 | 0.15 |
| Linoleic acid (C18:2 n-6), % | 1.08 | 1.02 | 0.97 | 0.93 | 0.88 | 1.00 | 0.95 | 0.91 | 0.87 | 0.83 | 1.00 | 0.95 | 0.91 | 0.87 | 0.83 | 1.01 | 0.96 | 0.92 | 0.88 | 0.84 |

*Typical feed consumption for the age based on available data.

¹ Consumption of amino acids, fat, linoleic acid, and/or energy may be changed to optimize egg size.

² The recommended energy range is based on the energy values shown in the Hy-Line Online Management Guide. Differences in the metabolizable energy value assigned to feed ingredients of the same name can differ substantially; in some cases, the recommended dietary energy content may have to be adjusted accordingly (see Hy-Line Online Management Guide for additional information).

³ Total amino acids are only appropriate with a corn and soybean meal diet; please formulate the diet on digestible amino acid basis if a substantial amount of other protein-supplying ingredients are used.

⁴ Approximately 65% of the added calcium carbonate (limestone) should be in particle sizes of 2–4 mm.

Hy-Line Brown Post-Molt Nutritional Recommendations—Intensive Systems

| Recommended concentration ¹ | Molt Diet |
|---|-------------|
| Metabolizable energy, kcal/lb | 1179–1270 |
| Metabolizable energy, kcal/kg | 2600–2800 |
| Metabolizable energy, MJ/kg | 10.88–11.72 |
| Minimum recommended concentration | |
| Standardized (true) ileal digestibility | |
| Lysine, % | 0.30 |
| Methionine, % | 0.15 |
| Methionine + cystine, % | 0.32 |
| Threonine, % | 0.18 |
| Tryptophan, % | 0.10 |
| Arginine, % | 0.38 |
| Isoleucine, % | 0.18 |
| Valine, % | 0.23 |
| Total amino acids³ | |
| Lysine, % | 0.33 |
| Methionine, % | 0.16 |
| Methionine + cystine, % | 0.36 |
| Threonine, % | 0.21 |
| Tryptophan, % | 0.12 |
| Arginine, % | 0.41 |
| Isoleucine, % | 0.20 |
| Valine, % | 0.26 |
| Crude protein (nitrogen × 6.25), ² % | 8.50 |
| Calcium, ³ % | 1.30 |
| Phosphorus (available), % | 0.25 |
| Sodium, ⁴ % | 0.03 |
| Chloride, % | 0.03 |

¹ The recommended energy range is based on the energy values shown in the Hy-Line Online Management Guide. Differences in the metabolizable energy value assigned to feed ingredients of the same name can differ substantially; in some cases, the recommended dietary energy content may have to be adjusted accordingly (see Hy-Line Online Management Guide for additional information).

² Total amino acids are only appropriate with a corn and soybean meal diet; please formulate the diet on digestible amino acid basis if a substantial amount of other protein-supplying ingredients are used.

³ The added calcium carbonate (limestone) should be in particle sizes of less than 2 mm.

⁴ The sodium content in the Molt diet should not exceed 0.035%.

Hy-Line Brown Post-Molt Nutritional Recommendations—Intensive Systems

After the Molt 3 diet, formulate diets according to level of desired percentage egg production following the nutritional recommendations for first-cycle laying hens (see Hy-Line Online Management Guide), albeit with a 20 kcal/kg (10 kcal/lb, 0.10 MJ/kg) reduction in the dietary energy content. Other noticeable differences in the post-molt diets are an increased need for dietary calcium and a decreased need for dietary phosphorus, reflected in the table.

| Minimum recommended daily consumption | Peaking | Above 86% to 82% egg production | 81 to 79% egg production | Less than 79% egg production |
|---------------------------------------|---------|---------------------------------|--------------------------|------------------------------|
| Calcium, g/day | 4.70 | 4.90 | 5.10 | 5.30 |
| Phosphorus (available), mg/day | 440 | 400 | 360 | 320 |

| Recommended post-molt dietary calcium and available phosphorus contents. | | | | | |
|--|------|------|-------|------|------|
| Peaking | | | | | |
| Feed consumption, g/day per hen | 93 | 98 | 103* | 108 | 113 |
| Feed consumption, lb/day per 100 hens | 20.5 | 21.6 | 22.7* | 23.8 | 24.9 |
| Calcium, ¹ % | 5.05 | 4.80 | 4.56 | 4.35 | 4.16 |
| Phosphorus (available), % | 0.47 | 0.45 | 0.43 | 0.41 | 0.39 |
| Above 86% to 82% egg production | | | | | |
| Feed consumption, g/day per hen | 100 | 105 | 110* | 115 | 120 |
| Feed consumption, lb/day per 100 hens | 22.1 | 23.2 | 24.3* | 25.4 | 26.5 |
| Calcium, ¹ % | 4.90 | 4.67 | 4.45 | 4.26 | 4.08 |
| Phosphorus (available), % | 0.40 | 0.38 | 0.36 | 0.35 | 0.33 |
| 81 to 79% egg production | | | | | |
| Feed consumption, g/day per hen | 100 | 105 | 110* | 115 | 120 |
| Feed consumption, lb/day per 100 hens | 22.1 | 23.2 | 24.3* | 25.4 | 26.5 |
| Calcium, ¹ % | 5.10 | 4.86 | 4.64 | 4.43 | 4.25 |
| Phosphorus (available), % | 0.36 | 0.34 | 0.33 | 0.31 | 0.30 |
| Less than 79% egg production | | | | | |
| Feed consumption, g/day per hen | 99 | 104 | 109* | 114 | 119 |
| Feed consumption, lb/day per 100 hens | 21.8 | 22.9 | 24.0* | 25.1 | 26.2 |
| Calcium, ¹ % | 5.35 | 5.10 | 4.86 | 4.65 | 4.45 |
| Phosphorus (available), % | 0.32 | 0.31 | 0.29 | 0.28 | 0.27 |
| * Typical feed consumption based on available data. | | | | | |

¹ Approximately 65% of the added calcium carbonate (limestone) should be in particle sizes of 2–4 mm.

Hy-Line Brown Performance Table—Intensive Systems

| Age in Weeks | % Hen-Day Curr. | | Mortality Cum. | Hen-Day Eggs | | Hen-Housed Eggs | | Body Weight | | Average Egg Weight* | | Feed Consumption | | Hen-Housed Egg Mass Cum. | | Egg Quality | | |
|--------------|-----------------------------|-----------------------------|----------------|--------------|----------------------------|----------------------------|----------------------------|----------------------------|------|---------------------|-------|--------------------|----------------|--------------------------|------|-------------|-------------|-------------------|
| | Curr. under Opt. Conditions | Curr. under Avg. Conditions | | % Cum. | Cum. under Opt. Conditions | Cum. under Avg. Conditions | Cum. under Opt. Conditions | Cum. under Avg. Conditions | kg | lb | g/egg | Net lb/30 doz case | g/day per bird | lb/day per 100 birds | kg | lb | Haugh Units | Breaking Strength |
| 18 | 9 | 3 | 0.0 | 0.6 | 0.2 | 0.6 | 0.2 | 1.48 | 3.26 | 50.0 | 39.7 | 78 | 17.2 | 0.0 | 0.0 | 98.2 | 4620 | 90 |
| 19 | 16 | 11 | 0.1 | 1.8 | 1.0 | 1.7 | 1.0 | 1.53 | 3.37 | 50.6 | 40.2 | 80 | 17.6 | 0.0 | 0.1 | 98.0 | 4610 | 90 |
| 20 | 49 | 32 | 0.1 | 5.2 | 3.2 | 5.2 | 3.2 | 1.65 | 3.64 | 51.2 | 40.6 | 89 | 19.6 | 0.2 | 0.4 | 97.8 | 4605 | 89 |
| 21 | 72 | 65 | 0.2 | 10.2 | 7.8 | 10.2 | 7.8 | 1.72 | 3.79 | 53.2 | 42.2 | 93 | 20.5 | 0.4 | 0.9 | 97.2 | 4595 | 89 |
| 22 | 89 | 78 | 0.3 | 16.5 | 13.2 | 16.4 | 13.2 | 1.78 | 3.92 | 54.4 | 43.2 | 96 | 21.2 | 0.7 | 1.5 | 97.0 | 4590 | 89 |
| 23 | 93 | 87 | 0.3 | 23.0 | 19.3 | 22.9 | 19.3 | 1.80 | 3.97 | 55.5 | 44.0 | 100 | 22.1 | 1.0 | 2.3 | 96.5 | 4585 | 89 |
| 24 | 96 | 93 | 0.4 | 29.7 | 25.8 | 29.6 | 25.8 | 1.84 | 4.06 | 56.6 | 44.9 | 103 | 22.6 | 1.4 | 3.1 | 96.0 | 4580 | 89 |
| 25 | 96 | 93 | 0.4 | 36.4 | 32.3 | 36.3 | 32.2 | 1.85 | 4.08 | 57.7 | 45.8 | 104 | 22.9 | 1.8 | 3.9 | 95.5 | 4575 | 88 |
| 26 | 96 | 93 | 0.5 | 43.1 | 38.9 | 43.0 | 38.7 | 1.86 | 4.10 | 58.5 | 46.4 | 105 | 23.1 | 2.2 | 4.8 | 95.1 | 4570 | 88 |
| 27 | 96 | 94 | 0.6 | 49.8 | 45.4 | 49.6 | 45.2 | 1.88 | 4.15 | 58.9 | 46.7 | 106 | 23.4 | 2.5 | 5.6 | 94.7 | 4565 | 88 |
| 28 | 96 | 94 | 0.6 | 56.6 | 52.0 | 56.3 | 51.8 | 1.89 | 4.17 | 59.8 | 47.5 | 108 | 23.7 | 2.9 | 6.5 | 94.2 | 4560 | 88 |
| 29 | 96 | 94 | 0.7 | 63.3 | 58.6 | 63.0 | 58.3 | 1.90 | 4.19 | 60.2 | 47.8 | 108 | 23.8 | 3.3 | 7.3 | 93.7 | 4550 | 88 |
| 30 | 95 | 94 | 0.7 | 69.9 | 65.2 | 69.6 | 64.8 | 1.90 | 4.19 | 61.2 | 48.6 | 108 | 23.9 | 3.7 | 8.2 | 93.3 | 4540 | 88 |
| 31 | 95 | 93 | 0.8 | 76.6 | 71.7 | 76.2 | 71.3 | 1.90 | 4.19 | 61.4 | 48.7 | 109 | 24.0 | 4.1 | 9.1 | 92.8 | 4525 | 88 |
| 32 | 95 | 93 | 0.9 | 83.2 | 78.2 | 82.8 | 77.8 | 1.91 | 4.21 | 61.6 | 48.9 | 109 | 24.1 | 4.5 | 10.0 | 92.2 | 4515 | 88 |
| 33 | 94 | 93 | 0.9 | 89.8 | 84.7 | 89.3 | 84.2 | 1.91 | 4.21 | 62.0 | 49.2 | 110 | 24.2 | 4.9 | 10.9 | 92.0 | 4505 | 88 |
| 34 | 94 | 93 | 1.0 | 96.4 | 91.2 | 95.8 | 90.6 | 1.91 | 4.21 | 62.2 | 49.4 | 110 | 24.3 | 5.3 | 11.7 | 91.5 | 4490 | 88 |
| 35 | 94 | 92 | 1.1 | 103.0 | 97.7 | 102.3 | 97.0 | 1.91 | 4.21 | 62.3 | 49.4 | 110 | 24.3 | 5.7 | 12.6 | 91.1 | 4475 | 87 |
| 36 | 93 | 92 | 1.1 | 109.5 | 104.1 | 108.7 | 103.4 | 1.92 | 4.23 | 62.4 | 49.5 | 110 | 24.3 | 6.1 | 13.5 | 90.6 | 4450 | 87 |
| 37 | 93 | 92 | 1.2 | 116.0 | 110.5 | 115.2 | 109.7 | 1.92 | 4.23 | 62.5 | 49.6 | 110 | 24.3 | 6.5 | 14.4 | 90.4 | 4440 | 87 |
| 38 | 93 | 91 | 1.3 | 122.5 | 116.9 | 121.6 | 116.0 | 1.92 | 4.23 | 62.6 | 49.7 | 110 | 24.3 | 6.9 | 15.2 | 90.0 | 4425 | 87 |
| 39 | 93 | 91 | 1.4 | 129.0 | 123.3 | 128.0 | 122.3 | 1.93 | 4.26 | 62.7 | 49.8 | 110 | 24.3 | 7.3 | 16.1 | 89.6 | 4415 | 87 |
| 40 | 92 | 91 | 1.5 | 135.5 | 129.6 | 134.4 | 128.6 | 1.93 | 4.26 | 62.8 | 49.8 | 110 | 24.3 | 7.7 | 17.0 | 89.3 | 4405 | 87 |
| 41 | 92 | 90 | 1.5 | 141.9 | 135.9 | 140.7 | 134.8 | 1.93 | 4.26 | 63.0 | 50.0 | 110 | 24.3 | 8.1 | 17.8 | 88.9 | 4390 | 87 |
| 42 | 91 | 90 | 1.6 | 148.3 | 142.2 | 147.0 | 141.0 | 1.94 | 4.28 | 63.1 | 50.1 | 110 | 24.3 | 8.5 | 18.7 | 88.5 | 4375 | 87 |
| 43 | 91 | 91 | 1.7 | 154.6 | 148.6 | 153.2 | 147.2 | 1.94 | 4.28 | 63.1 | 50.1 | 110 | 24.3 | 8.9 | 19.6 | 88.0 | 4365 | 87 |
| 44 | 91 | 90 | 1.8 | 161.0 | 154.9 | 159.5 | 153.4 | 1.94 | 4.28 | 63.1 | 50.1 | 110 | 24.2 | 9.3 | 20.4 | 87.8 | 4355 | 87 |
| 45 | 90 | 90 | 1.9 | 167.3 | 161.2 | 165.7 | 159.6 | 1.95 | 4.30 | 63.2 | 50.2 | 110 | 24.2 | 9.7 | 21.3 | 87.4 | 4340 | 87 |
| 46 | 90 | 90 | 2.0 | 173.6 | 167.5 | 171.8 | 165.8 | 1.95 | 4.30 | 63.2 | 50.2 | 110 | 24.2 | 10.0 | 22.1 | 87.1 | 4320 | 87 |
| 47 | 89 | 90 | 2.1 | 179.8 | 173.8 | 177.9 | 171.9 | 1.95 | 4.30 | 63.2 | 50.2 | 110 | 24.2 | 10.4 | 23.0 | 86.7 | 4310 | 87 |
| 48 | 89 | 89 | 2.2 | 186.1 | 180.0 | 184.0 | 178.0 | 1.95 | 4.30 | 63.3 | 50.2 | 110 | 24.2 | 10.8 | 23.9 | 86.4 | 4305 | 87 |
| 49 | 89 | 89 | 2.3 | 192.3 | 186.3 | 190.1 | 184.1 | 1.95 | 4.30 | 63.3 | 50.2 | 110 | 24.2 | 11.2 | 24.7 | 86.1 | 4295 | 86 |
| 50 | 88 | 88 | 2.4 | 198.5 | 192.4 | 196.1 | 190.1 | 1.95 | 4.30 | 63.3 | 50.2 | 110 | 24.2 | 11.6 | 25.5 | 85.6 | 4280 | 86 |
| 51 | 88 | 88 | 2.5 | 204.6 | 198.6 | 202.1 | 196.1 | 1.95 | 4.30 | 63.3 | 50.2 | 110 | 24.2 | 12.0 | 26.4 | 85.0 | 4265 | 86 |
| 52 | 88 | 87 | 2.6 | 210.8 | 204.7 | 208.1 | 202.1 | 1.95 | 4.30 | 63.3 | 50.2 | 110 | 24.2 | 12.3 | 27.2 | 85.0 | 4250 | 86 |
| 53 | 87 | 87 | 2.7 | 216.9 | 210.8 | 214.0 | 208.0 | 1.95 | 4.30 | 63.4 | 50.3 | 110 | 24.2 | 12.7 | 28.0 | 84.8 | 4240 | 86 |
| 54 | 87 | 87 | 2.8 | 223.0 | 216.9 | 220.0 | 213.9 | 1.95 | 4.30 | 63.4 | 50.3 | 110 | 24.2 | 13.1 | 28.9 | 84.6 | 4225 | 86 |
| 55 | 87 | 86 | 2.9 | 229.0 | 222.9 | 225.9 | 219.7 | 1.96 | 4.32 | 63.4 | 50.3 | 110 | 24.2 | 13.5 | 29.7 | 84.3 | 4210 | 86 |
| 56 | 86 | 86 | 3.0 | 235.1 | 228.9 | 231.7 | 225.6 | 1.96 | 4.32 | 63.4 | 50.3 | 110 | 24.2 | 13.8 | 30.5 | 84.0 | 4190 | 85 |
| 57 | 86 | 85 | 3.1 | 241.1 | 234.9 | 237.5 | 231.3 | 1.96 | 4.32 | 63.5 | 50.4 | 110 | 24.2 | 14.2 | 31.3 | 83.8 | 4180 | 85 |
| 58 | 86 | 85 | 3.3 | 247.1 | 240.8 | 243.4 | 237.1 | 1.96 | 4.32 | 63.5 | 50.4 | 110 | 24.2 | 14.6 | 32.1 | 83.1 | 4170 | 85 |
| 59 | 86 | 85 | 3.4 | 253.1 | 246.8 | 249.2 | 242.8 | 1.96 | 4.32 | 63.5 | 50.4 | 110 | 24.2 | 14.9 | 32.9 | 82.8 | 4160 | 85 |
| 60 | 85 | 84 | 3.5 | 259.1 | 252.6 | 254.9 | 248.5 | 1.96 | 4.32 | 63.6 | 50.5 | 110 | 24.1 | 15.3 | 33.7 | 82.6 | 4150 | 85 |

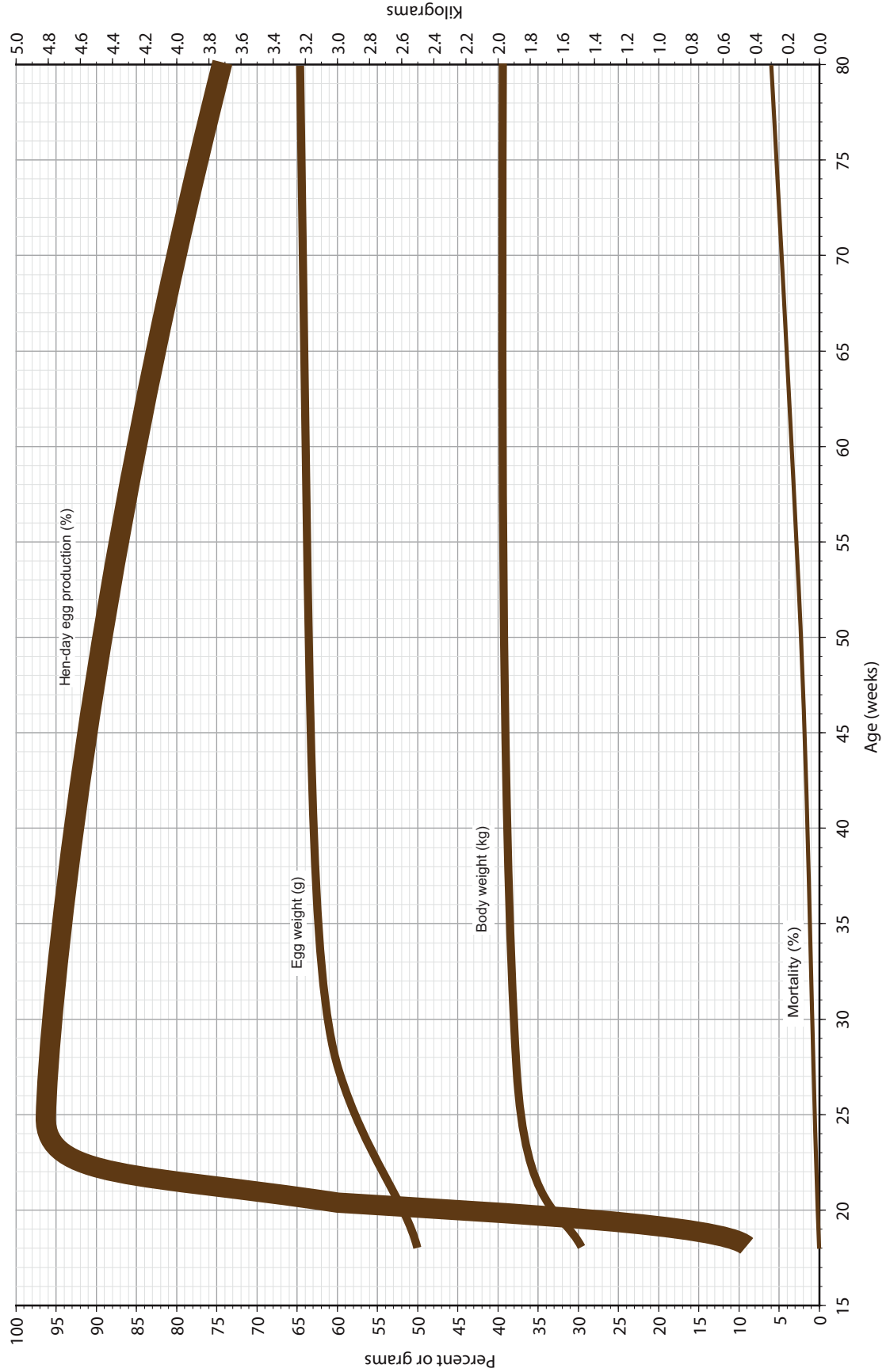
* Egg weights after 40 weeks of age assume phase feeding of protein to limit egg size.

Hy-Line Brown Performance Table—Intensive Systems

| Age in Weeks | % Hen-Day Curr. | | Mortality Cum. | Hen-Day Eggs | | Hen-Housed Eggs | | Body Weight | | Average Egg Weight* | | Feed Consumption | | Hen-Housed Egg Mass Cum. | | Egg Quality | | |
|--------------|-----------------------------|-----------------------------|----------------|--------------|----------------------------|----------------------------|----------------------------|----------------------------|------|---------------------|-------|--------------------|----------------|--------------------------|------|-------------|-------------|-------------------|
| | Curr. under Opt. Conditions | Curr. under Avg. Conditions | | % Cum. | Cum. under Opt. Conditions | Cum. under Avg. Conditions | Cum. under Opt. Conditions | Cum. under Avg. Conditions | kg | lb | g/egg | Net lb/30 doz case | g/day per bird | lb/day per 100 birds | kg | lb | Haugh Units | Breaking Strength |
| 61 | 85 | 84 | 3.6 | 265.0 | 258.5 | 260.6 | 254.2 | 1.96 | 4.32 | 63.6 | 50.5 | 110 | 24.1 | 15.6 | 34.5 | 82.4 | 4140 | 84 |
| 62 | 84 | 83 | 3.7 | 270.9 | 264.3 | 266.3 | 259.8 | 1.96 | 4.32 | 63.7 | 50.6 | 110 | 24.1 | 16.0 | 35.3 | 82.2 | 4130 | 84 |
| 63 | 84 | 83 | 3.9 | 276.8 | 270.1 | 272.0 | 265.4 | 1.96 | 4.32 | 63.7 | 50.6 | 110 | 24.1 | 16.4 | 36.1 | 82.0 | 4120 | 84 |
| 64 | 83 | 83 | 4.0 | 282.6 | 275.9 | 277.5 | 270.9 | 1.96 | 4.32 | 63.8 | 50.6 | 110 | 24.1 | 16.7 | 36.9 | 81.9 | 4110 | 83 |
| 65 | 83 | 82 | 4.1 | 288.4 | 281.7 | 283.1 | 276.4 | 1.96 | 4.32 | 63.8 | 50.6 | 110 | 24.1 | 17.1 | 37.6 | 81.8 | 4095 | 83 |
| 66 | 82 | 82 | 4.2 | 294.1 | 287.4 | 288.6 | 281.9 | 1.96 | 4.32 | 63.9 | 50.7 | 109 | 24.1 | 17.4 | 38.4 | 81.6 | 4080 | 83 |
| 67 | 82 | 81 | 4.3 | 299.9 | 293.1 | 294.1 | 287.4 | 1.96 | 4.32 | 63.9 | 50.7 | 109 | 24.1 | 17.8 | 39.2 | 81.5 | 4070 | 82 |
| 68 | 81 | 81 | 4.5 | 305.6 | 298.8 | 299.5 | 292.8 | 1.96 | 4.32 | 64.0 | 50.8 | 109 | 24.1 | 18.1 | 39.9 | 81.5 | 4060 | 82 |
| 69 | 81 | 81 | 4.6 | 311.2 | 304.4 | 304.9 | 298.2 | 1.96 | 4.32 | 64.0 | 50.8 | 109 | 24.1 | 18.5 | 40.7 | 81.3 | 4050 | 82 |
| 70 | 80 | 80 | 4.7 | 316.8 | 310.0 | 310.2 | 303.5 | 1.97 | 4.34 | 64.1 | 50.9 | 109 | 24.1 | 18.8 | 41.4 | 81.1 | 4040 | 81 |
| 71 | 80 | 79 | 4.8 | 322.4 | 315.6 | 315.6 | 308.8 | 1.97 | 4.34 | 64.1 | 50.9 | 109 | 24.1 | 19.1 | 42.2 | 81.1 | 4030 | 81 |
| 72 | 79 | 79 | 5.0 | 328.0 | 321.1 | 320.8 | 314.0 | 1.97 | 4.34 | 64.2 | 51.0 | 109 | 24.1 | 19.5 | 42.9 | 81.0 | 4020 | 81 |
| 73 | 78 | 78 | 5.1 | 333.4 | 326.6 | 326.0 | 319.2 | 1.97 | 4.34 | 64.2 | 51.0 | 109 | 24.1 | 19.8 | 43.7 | 80.9 | 4010 | 80 |
| 74 | 78 | 77 | 5.2 | 338.9 | 331.9 | 331.2 | 324.3 | 1.97 | 4.34 | 64.3 | 51.0 | 109 | 24.1 | 20.1 | 44.4 | 80.8 | 4000 | 80 |
| 75 | 77 | 76 | 5.4 | 344.3 | 337.3 | 336.3 | 329.3 | 1.97 | 4.34 | 64.3 | 51.0 | 109 | 24.1 | 20.5 | 45.1 | 80.7 | 3995 | 80 |
| 76 | 77 | 76 | 5.5 | 349.7 | 342.6 | 341.4 | 334.4 | 1.97 | 4.34 | 64.4 | 51.1 | 109 | 24.1 | 20.8 | 45.8 | 80.5 | 3990 | 80 |
| 77 | 76 | 75 | 5.7 | 355.0 | 347.8 | 346.4 | 339.3 | 1.97 | 4.34 | 64.4 | 51.1 | 109 | 24.1 | 21.1 | 46.5 | 80.4 | 3985 | 80 |
| 78 | 75 | 74 | 5.8 | 360.2 | 353.0 | 351.3 | 344.2 | 1.97 | 4.34 | 64.5 | 51.2 | 109 | 24.0 | 21.4 | 47.2 | 80.2 | 3980 | 80 |
| 79 | 75 | 74 | 6.0 | 365.5 | 358.2 | 356.3 | 349.1 | 1.97 | 4.34 | 64.5 | 51.2 | 109 | 24.0 | 21.7 | 47.9 | 80.1 | 3975 | 80 |
| 80 | 74 | 74 | 6.1 | 370.7 | 363.4 | 361.1 | 353.9 | 1.97 | 4.34 | 64.6 | 51.3 | 109 | 24.0 | 22.0 | 48.6 | 80.0 | 3970 | 80 |

* Egg weights after 40 weeks of age assume phase feeding of protein to limit egg size.

Hy-Line Brown Performance Graph—Intensive Systems



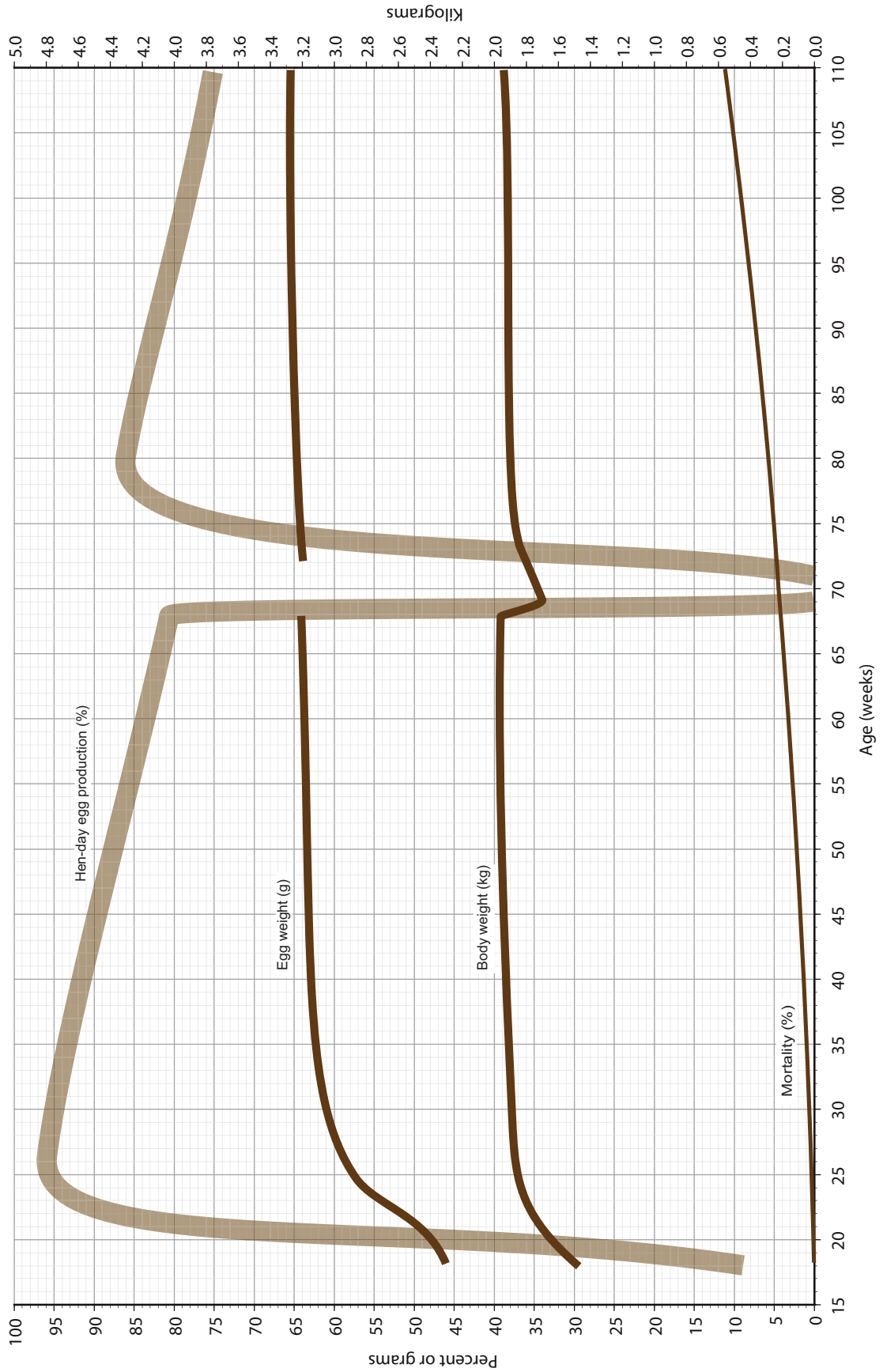
Hy-Line Brown Post Molt Performance Table—Intensive Systems

| Age in Weeks | % Hen-Day | % Mortality | Hen-Day | Hen-Housed | Body Weight | | Average Egg Weight* | | Feed Consumption | | Hen-Housed Egg Mass Cum.** | |
|--------------|-----------|-------------|---------|------------|-------------|------|---------------------|--------------------|------------------|----------------------|----------------------------|------|
| | Lay Curr. | Cum. | Cum. | Cum. | kg | lb | g/egg | Net lb/30 doz case | g/day per bird | lb/day per 100 birds | kg | lb |
| 69 | 0 | 4.6 | 294.9 | 294.8 | 1.71 | 3.77 | - | - | - | - | 17.8 | 39.2 |
| 70 | 0 | 4.8 | 294.9 | 294.8 | 1.74 | 3.84 | - | - | - | 0.0 | 17.8 | 39.2 |
| 71 | 0 | 5.0 | 294.9 | 294.8 | 1.77 | 3.90 | - | - | - | 0.0 | 17.8 | 39.2 |
| 72 | 12 | 5.1 | 295.7 | 295.6 | 1.81 | 3.99 | 64.0 | 50.8 | - | 0.0 | 17.9 | 39.4 |
| 73 | 38 | 5.2 | 298.4 | 298.1 | 1.85 | 4.08 | 64.1 | 50.9 | 90 | 19.8 | 18.0 | 39.7 |
| 74 | 62 | 5.3 | 302.7 | 302.2 | 1.86 | 4.10 | 64.2 | 51.0 | 95 | 20.9 | 18.3 | 40.3 |
| 75 | 76 | 5.4 | 308.0 | 307.2 | 1.87 | 4.12 | 64.3 | 51.0 | 100 | 22.0 | 18.6 | 41.0 |
| 76 | 80 | 5.5 | 313.6 | 312.5 | 1.88 | 4.15 | 64.4 | 51.1 | 103 | 22.7 | 18.9 | 41.8 |
| 77 | 82 | 5.6 | 319.4 | 317.9 | 1.88 | 4.15 | 64.5 | 51.2 | 104 | 22.9 | 19.3 | 42.5 |
| 78 | 85 | 5.8 | 325.3 | 323.5 | 1.88 | 4.15 | 64.6 | 51.3 | 105 | 23.1 | 19.7 | 43.3 |
| 79 | 85 | 5.9 | 331.3 | 329.1 | 1.88 | 4.15 | 64.7 | 51.3 | 106 | 23.4 | 20.0 | 44.1 |
| 80 | 85 | 6.0 | 337.2 | 334.7 | 1.89 | 4.17 | 64.8 | 51.4 | 107 | 23.6 | 20.4 | 44.9 |
| 81 | 86 | 6.1 | 343.2 | 340.4 | 1.89 | 4.17 | 64.9 | 51.5 | 107 | 23.6 | 20.7 | 45.7 |
| 82 | 86 | 6.3 | 349.2 | 346.0 | 1.90 | 4.19 | 65.0 | 51.6 | 108 | 23.8 | 21.1 | 46.5 |
| 83 | 85 | 6.4 | 355.2 | 351.6 | 1.90 | 4.19 | 65.1 | 51.7 | 108 | 23.8 | 21.5 | 47.3 |
| 84 | 85 | 6.6 | 361.1 | 357.2 | 1.90 | 4.19 | 65.1 | 51.7 | 109 | 24.0 | 21.8 | 48.1 |
| 85 | 84 | 6.7 | 367.0 | 362.6 | 1.91 | 4.21 | 65.2 | 51.7 | 109 | 24.0 | 22.2 | 48.9 |
| 86 | 84 | 6.9 | 372.9 | 368.1 | 1.91 | 4.21 | 65.2 | 51.7 | 110 | 24.3 | 22.5 | 49.7 |
| 87 | 83 | 7.0 | 378.7 | 373.5 | 1.91 | 4.21 | 65.3 | 51.8 | 110 | 24.3 | 22.9 | 50.5 |
| 88 | 83 | 7.2 | 384.5 | 378.9 | 1.91 | 4.21 | 65.3 | 51.8 | 110 | 24.3 | 23.3 | 51.3 |
| 89 | 83 | 7.3 | 390.3 | 384.3 | 1.91 | 4.21 | 65.4 | 51.9 | 110 | 24.3 | 23.6 | 52.1 |
| 90 | 82 | 7.5 | 396.1 | 389.6 | 1.92 | 4.23 | 65.4 | 51.9 | 110 | 24.3 | 24.0 | 52.8 |
| 91 | 82 | 7.7 | 401.8 | 394.9 | 1.92 | 4.23 | 65.5 | 52.0 | 110 | 24.3 | 24.3 | 53.6 |
| 92 | 81 | 7.8 | 407.5 | 400.1 | 1.92 | 4.23 | 65.5 | 52.0 | 111 | 24.5 | 24.6 | 54.3 |
| 93 | 81 | 8.0 | 413.2 | 405.4 | 1.92 | 4.23 | 65.5 | 52.0 | 111 | 24.5 | 25.0 | 55.1 |
| 94 | 81 | 8.2 | 418.8 | 410.6 | 1.92 | 4.23 | 65.5 | 52.0 | 111 | 24.5 | 25.3 | 55.8 |
| 95 | 80 | 8.3 | 424.4 | 415.7 | 1.92 | 4.23 | 65.5 | 52.0 | 110 | 24.3 | 25.7 | 56.6 |
| 96 | 80 | 8.5 | 430.0 | 420.8 | 1.93 | 4.26 | 65.5 | 52.0 | 110 | 24.3 | 26.0 | 57.3 |
| 97 | 80 | 8.7 | 435.6 | 425.9 | 1.93 | 4.26 | 65.5 | 52.0 | 110 | 24.3 | 26.3 | 58.1 |
| 98 | 79 | 8.8 | 441.2 | 431.0 | 1.93 | 4.26 | 65.5 | 52.0 | 109 | 24.0 | 26.7 | 58.8 |
| 99 | 79 | 9.0 | 446.7 | 436.0 | 1.93 | 4.26 | 65.6 | 52.1 | 109 | 24.0 | 27.0 | 59.5 |
| 100 | 79 | 9.2 | 452.2 | 441.0 | 1.93 | 4.26 | 65.6 | 52.1 | 109 | 24.0 | 27.3 | 60.2 |
| 101 | 78 | 9.4 | 457.7 | 446.0 | 1.93 | 4.26 | 65.6 | 52.1 | 108 | 23.8 | 27.6 | 61.0 |
| 102 | 78 | 9.6 | 463.1 | 450.9 | 1.94 | 4.28 | 65.6 | 52.1 | 108 | 23.8 | 28.0 | 61.7 |
| 103 | 78 | 9.8 | 468.6 | 455.8 | 1.94 | 4.28 | 65.6 | 52.1 | 107 | 23.6 | 28.3 | 62.4 |
| 104 | 77 | 10.0 | 474.0 | 460.7 | 1.94 | 4.28 | 65.7 | 52.1 | 107 | 23.6 | 28.6 | 63.1 |
| 105 | 77 | 10.2 | 479.4 | 465.5 | 1.94 | 4.28 | 65.7 | 52.1 | 106 | 23.4 | 28.9 | 63.8 |
| 106 | 77 | 10.4 | 484.8 | 470.4 | 1.94 | 4.28 | 65.7 | 52.1 | 106 | 23.4 | 29.2 | 64.5 |
| 107 | 76 | 10.6 | 490.1 | 475.1 | 1.94 | 4.28 | 65.7 | 52.1 | 105 | 23.1 | 29.6 | 65.2 |
| 108 | 76 | 10.8 | 495.4 | 479.9 | 1.95 | 4.30 | 65.7 | 52.1 | 105 | 23.1 | 29.9 | 65.9 |
| 109 | 76 | 11.0 | 500.7 | 484.6 | 1.95 | 4.30 | 65.7 | 52.1 | 104 | 22.9 | 30.2 | 66.6 |
| 110 | 75 | 11.3 | 506.0 | 489.3 | 1.95 | 4.30 | 65.7 | 52.1 | 104 | 22.9 | 30.5 | 67.2 |

* These egg weights are those which can be achieved through controlled feeding of protein. Larger egg sizes can be achieved by feeding higher protein levels.

** Egg mass based on hen-housed eggs.

Hy-Line Brown Post Molt Performance Graph—Intensive Systems



Egg Size Distribution—E.U. Standards

| Age in Weeks | Average Egg Weight (g) | Very Large Over 73 g | Large 63–73 g | Medium 53–63 g | Small 43–53 g |
|--------------|------------------------|----------------------|---------------|----------------|---------------|
| 20 | 51.2 | 0.0 | 0.5 | 34.3 | 65.2 |
| 22 | 54.4 | 0.0 | 3.7 | 57.8 | 38.5 |
| 24 | 56.6 | 0.1 | 10.4 | 65.5 | 24.0 |
| 26 | 58.5 | 0.4 | 21.1 | 64.8 | 13.7 |
| 28 | 59.8 | 0.6 | 26.7 | 62.7 | 10.0 |
| 30 | 61.2 | 1.2 | 35.3 | 57.8 | 5.7 |
| 32 | 61.6 | 1.3 | 37.7 | 56.8 | 4.3 |
| 34 | 62.2 | 1.4 | 42.1 | 53.5 | 3.0 |
| 36 | 62.4 | 1.4 | 43.6 | 52.2 | 2.8 |
| 38 | 62.6 | 1.5 | 45.3 | 51.1 | 2.2 |
| 40 | 62.8 | 1.7 | 46.7 | 49.6 | 2.1 |
| 42 | 63.1 | 2.0 | 48.7 | 47.4 | 2.0 |
| 44 | 63.1 | 2.2 | 48.9 | 47.0 | 2.0 |
| 46 | 63.2 | 2.3 | 49.4 | 46.4 | 2.0 |
| 48 | 63.3 | 2.6 | 49.5 | 46.0 | 2.0 |
| 50 | 63.3 | 2.6 | 49.8 | 45.6 | 2.0 |
| 52 | 63.3 | 2.9 | 49.9 | 45.2 | 2.0 |
| 54 | 63.4 | 3.0 | 50.2 | 44.8 | 2.0 |
| 56 | 63.4 | 3.2 | 50.3 | 44.4 | 2.0 |
| 58 | 63.5 | 3.4 | 50.5 | 44.1 | 2.0 |
| 60 | 63.6 | 3.8 | 50.7 | 43.5 | 2.0 |
| 62 | 63.7 | 4.0 | 51.4 | 42.7 | 2.0 |
| 64 | 63.8 | 4.1 | 51.9 | 41.9 | 2.0 |
| 66 | 63.9 | 4.6 | 52.0 | 41.4 | 2.0 |
| 68 | 64.0 | 4.8 | 52.1 | 41.1 | 2.0 |
| 70 | 64.1 | 5.3 | 52.6 | 40.1 | 2.0 |
| 72 | 64.2 | 5.5 | 53.2 | 39.3 | 2.0 |
| 74 | 64.3 | 5.7 | 53.3 | 38.9 | 2.0 |
| 76 | 64.4 | 6.2 | 53.6 | 38.2 | 1.9 |
| 78 | 64.5 | 6.5 | 54.1 | 37.5 | 1.9 |
| 80 | 64.6 | 7.0 | 54.3 | 36.9 | 1.9 |

| Egg Size Distribution—U.S. Standards | | | | | | | |
|--------------------------------------|------------------------------|----------------------|--------------------------|--------------------|---------------------|--------------------|------------------------|
| Age in Weeks | Average Egg Weight (lb/case) | Jumbo Over 30 oz/doz | Extra Large 27–30 oz/doz | Large 24–27 oz/doz | Medium 21–24 oz/doz | Small 18–21 oz/doz | Peewee Under 18 oz/doz |
| 20 | 40.6 | 0.0 | 0.3 | 11.3 | 52.0 | 33.4 | 3.0 |
| 22 | 43.2 | 0.0 | 2.5 | 29.1 | 52.5 | 15.2 | 0.7 |
| 24 | 44.9 | 0.3 | 7.7 | 41.3 | 42.3 | 8.2 | 0.3 |
| 26 | 46.4 | 1.1 | 16.2 | 48.1 | 30.5 | 4.0 | 0.1 |
| 28 | 47.5 | 1.8 | 20.8 | 49.5 | 25.2 | 2.7 | 0.1 |
| 30 | 48.6 | 3.1 | 27.8 | 50.3 | 17.6 | 1.1 | 0.0 |
| 32 | 48.9 | 3.2 | 29.9 | 50.2 | 15.9 | 0.8 | 0.0 |
| 34 | 49.4 | 3.8 | 33.5 | 49.5 | 12.7 | 0.5 | 0.0 |
| 36 | 49.5 | 4.0 | 34.8 | 49.3 | 11.4 | 0.5 | 0.0 |
| 38 | 49.7 | 4.2 | 36.1 | 49.0 | 10.4 | 0.4 | 0.0 |
| 40 | 49.8 | 4.6 | 37.2 | 48.0 | 9.8 | 0.4 | 0.0 |
| 42 | 50.1 | 5.3 | 38.5 | 46.6 | 9.3 | 0.4 | 0.0 |
| 44 | 50.1 | 5.6 | 38.8 | 46.0 | 9.3 | 0.3 | 0.0 |
| 46 | 50.2 | 5.9 | 39.4 | 45.3 | 9.2 | 0.3 | 0.0 |
| 48 | 50.2 | 6.4 | 39.5 | 44.7 | 9.1 | 0.3 | 0.0 |
| 50 | 50.2 | 6.5 | 39.6 | 44.6 | 9.1 | 0.3 | 0.0 |
| 52 | 50.2 | 6.9 | 39.7 | 44.1 | 9.0 | 0.3 | 0.0 |
| 54 | 50.3 | 7.1 | 39.8 | 43.7 | 9.0 | 0.3 | 0.0 |
| 56 | 50.3 | 7.7 | 39.9 | 43.1 | 9.0 | 0.3 | 0.0 |
| 58 | 50.4 | 8.2 | 40.0 | 42.7 | 8.9 | 0.2 | 0.0 |
| 60 | 50.5 | 8.5 | 40.1 | 42.2 | 8.9 | 0.2 | 0.0 |
| 62 | 50.6 | 8.8 | 40.6 | 41.5 | 8.9 | 0.2 | 0.0 |
| 64 | 50.6 | 9.1 | 41.0 | 41.0 | 8.7 | 0.2 | 0.0 |
| 66 | 50.7 | 9.8 | 41.0 | 40.2 | 8.7 | 0.2 | 0.0 |
| 68 | 50.8 | 10.2 | 41.4 | 39.6 | 8.6 | 0.1 | 0.0 |
| 70 | 50.9 | 11.0 | 41.5 | 38.9 | 8.5 | 0.1 | 0.0 |
| 72 | 51.0 | 11.2 | 41.7 | 38.6 | 8.3 | 0.1 | 0.0 |
| 74 | 51.0 | 11.7 | 41.8 | 38.1 | 8.2 | 0.1 | 0.0 |
| 76 | 51.1 | 12.4 | 42.0 | 37.4 | 8.1 | 0.1 | 0.0 |
| 78 | 51.2 | 12.7 | 42.6 | 36.8 | 7.8 | 0.1 | 0.0 |
| 80 | 51.3 | 13.5 | 42.7 | 36.1 | 7.6 | 0.1 | 0.0 |



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