

Egg Quality

Age weeks	Haugh units	Breaking Strength	Shell Color
20	97.8	4605	89
22	97.0	4590	89
24	96.0	4580	89
26	95.1	4570	88
28	94.2	4560	88
30	93.3	4540	88
32	92.2	4515	88
34	91.5	4490	88
36	90.6	4450	87
38	90.0	4425	87
40	89.3	4405	87
42	88.5	4375	87
44	87.8	4355	87
46	87.1	4320	87
48	86.4	4305	87
50	85.6	4280	86
52	85.0	4250	86
54	84.6	4225	86
56	84.0	4190	85
58	83.1	4170	85
60	82.6	4150	85
62	82.2	4130	84
64	81.9	4110	83
66	81.6	4095	83
68	81.5	4085	82
70	81.1	4075	81
72	81.0	4065	81
74	80.8	4055	80
76	80.5	4040	80
78	80.2	4020	80
80	80.1	3995	80
82	80.0	3985	79
84	79.9	3975	79
86	79.8	3965	79
88	79.7	3960	79
90	79.7	3955	79

Hy-Line Brown Commercial Pullets (Alternative Systems)

Age	Body Weight	AVERAGE	Feed Intake	AVERAGE	Water Consumption	AVERAGE	Uniformity	Mortality
weeks	g	Body Weight (g)	g/day per bird	Feed Intake (g/day/bird)	ml/bird/day	Water Cons. (ml/bird/day)		Cum %
1	70 – 75	72.50	14 – 15	14.5	22 – 30	26	65–70%	0.5
2	110 – 125	117.50	17 – 21	19	27 – 42	35	65–70%	0.7
3	170 – 190	180.00	23 – 25	24	37 – 50	44	65–70%	0.8
4	240 – 270	255.00	28 – 30	29	43 – 58	51	65–70%	0.9
5	330 – 360	345.00	34 – 36	35	54 – 72	63	65–70%	1.0
6	420 – 465	442.50	38 – 40	39	61 – 80	71	65–70%	1.1
7	520 – 560	540.00	42 – 44	43	66 – 86	76	65–70%	1.2
8	620 – 670	645.00	53 – 57	55	72 – 94	83	65–70%	1.3
9	730 – 780	755.00	55 – 59	57	78 – 106	92	65–70%	1.4
10	840 – 890	865.00	58 – 62	60	83 – 112	98	70–75%	1.5
11	940 – 990	965.00	62 – 65	63.5	93 – 124	109	70–75%	1.6
12	1030 – 1080	1055.00	65 – 69	67	99 – 136	118	70–75%	1.6
13	1110 – 1165	1137.50	69 – 72	70.5	107 – 142	125	70–75%	1.7
14	1190 – 1230	1210.00	74 – 78	76	112 – 148	130	80%	1.7
15	1260 – 1300	1280.00	76 – 80	78	115 – 152	134	80%	1.8
16	1330 – 1370	1350.00	78 – 82	80	120 – 158	139	85%	1.9
17	1400 – 1440	1420.00	79 – 83	81	125 – 164	145	85%	2.0

Hy-Line Brown Commercial Layers (Alternative Systems): Performance Table

Age	% Hen-Day	AVERAGE		AVERAGE		Mortality	Body Weight	AVERAGE		AVERAGE		AVERAGE		AVERAGE		Average Egg Weight	AVERAGE
		Hen-Day %	Cumulative	Hen-Day Eggs	Cumulative			Hen-Housed Eggs	Cumulative %	kg	Body Weight (kg)	g/bird/day	Feed Cons (g/bird/day)	Water Consumption	Water Cons (ml/bird/day)		
18	4 - 14	9	0.3 - 1.0	0.7	0.3 - 1.0	0.7	0.0	1.47 - 1.57	1.52	82 - 93	87.5	131 - 186	158.5	0.0	48.8 - 50.0	49.4	
19	24 - 38	31	2.0 - 3.6	2.8	2.0 - 3.6	2.8	0.1	1.57 - 1.67	1.62	85 - 96	90.5	136 - 192	164	0.10	49.0 - 51.0	50.0	
20	45 - 72	59	5.1 - 8.7	6.9	5.1 - 8.7	6.9	0.1	1.63 - 1.73	1.68	91 - 102	96.5	146 - 204	175	0.3	50.2 - 52.2	51.2	
21	75 - 86	81	10.4 - 14.7	12.6	10.3 - 14.7	12.5	0.2	1.67 - 1.77	1.72	95 - 106	100.5	152 - 212	182	0.5	51.5 - 53.6	52.6	
22	87 - 92	90	16.5 - 21.1	18.8	16.4 - 21.1	18.8	0.3	1.72 - 1.82	1.77	99 - 110	104.5	158 - 220	189	0.9	53.1 - 55.3	54.2	
23	92 - 94	93	22.9 - 27.7	25.3	22.8 - 27.7	25.3	0.3	1.75 - 1.85	1.80	103 - 114	108.5	165 - 228	196.5	1.2	54.4 - 56.6	55.5	
24	92 - 95	94	29.3 - 34.4	31.9	29.2 - 34.3	31.8	0.4	1.78 - 1.90	1.84	105 - 116	110.5	168 - 232	200	1.6	55.5 - 57.7	56.6	
25	93 - 95	94	35.8 - 41.0	38.4	35.7 - 40.9	38.3	0.4	1.79 - 1.91	1.85	106 - 117	111.5	170 - 234	202	2.0	56.6 - 59.0	57.8	
26	94 - 96	95	42.4 - 47.7	45.1	42.3 - 47.6	45.0	0.5	1.80 - 1.92	1.86	107 - 118	112.5	171 - 236	203.5	2.3	57.3 - 59.7	58.5	
27	95 - 96	96	49.1 - 54.5	51.8	48.9 - 54.3	51.6	0.6	1.82 - 1.94	1.88	107 - 118	112.5	171 - 236	203.5	2.7	58.4 - 60.8	59.6	
28	95 - 96	96	55.7 - 61.2	58.5	55.5 - 60.9	58.2	0.6	1.83 - 1.95	1.89	107 - 118	112.5	171 - 236	203.5	3.1	59.0 - 61.4	60.2	
29	95 - 96	96	62.4 - 67.9	65.2	62.1 - 67.6	64.9	0.7	1.84 - 1.96	1.90	107 - 118	112.5	171 - 236	203.5	3.5	59.3 - 61.7	60.5	
30	94 - 96	95	69.0 - 74.6	71.8	68.6 - 74.3	71.5	0.7	1.84 - 1.96	1.90	107 - 118	112.5	171 - 236	203.5	3.9	59.7 - 62.1	60.9	
31	94 - 96	95	75.5 - 81.3	78.4	75.1 - 80.9	78.0	0.8	1.84 - 1.96	1.90	108 - 119	113.5	173 - 238	205.5	4.3	59.9 - 62.3	61.1	
32	94 - 95	95	82.1 - 88.0	85.1	81.7 - 87.5	84.6	0.9	1.85 - 1.97	1.91	108 - 119	113.5	173 - 238	205.5	4.7	60.1 - 62.5	61.3	
33	94 - 95	95	88.7 - 94.6	91.7	88.2 - 94.1	91.2	0.9	1.85 - 1.97	1.91	108 - 119	113.5	173 - 238	205.5	5.1	60.3 - 62.7	61.5	
34	94 - 95	95	95.3 - 101.3	98.3	94.7 - 100.7	97.7	1.0	1.85 - 1.97	1.91	108 - 119	113.5	173 - 238	205.5	5.5	60.5 - 62.9	61.7	
35	94 - 95	95	101.9 - 107.9	104.9	101.2 - 107.3	104.3	1.0	1.85 - 1.97	1.91	108 - 119	113.5	173 - 238	205.5	5.9	60.6 - 63.0	61.8	
36	93 - 94	94	108.4 - 114.5	111.5	107.6 - 113.8	110.7	1.1	1.86 - 1.98	1.92	108 - 119	113.5	173 - 238	205.5	6.3	60.7 - 63.1	61.9	
37	93 - 94	94	114.9 - 121.1	118.0	114.1 - 120.3	117.2	1.2	1.86 - 1.98	1.92	108 - 119	113.5	173 - 238	205.5	6.7	60.8 - 63.2	62.0	
38	93 - 94	94	121.4 - 127.7	124.6	120.5 - 126.8	123.7	1.2	1.86 - 1.98	1.92	108 - 119	113.5	173 - 238	205.5	7.1	60.9 - 63.3	62.1	
39	92 - 93	93	127.8 - 134.2	131.0	126.9 - 133.2	130.1	1.3	1.87 - 1.99	1.93	108 - 119	113.5	173 - 238	205.5	7.5	61.0 - 63.4	62.2	
40	92 - 93	93	134.3 - 140.7	137.5	133.2 - 139.6	136.4	1.4	1.87 - 1.99	1.93	108 - 119	113.5	173 - 238	205.5	7.9	61.1 - 63.5	62.3	
41	91 - 93	92	140.6 - 147.2	143.9	139.5 - 146.0	142.8	1.4	1.87 - 1.99	1.93	108 - 119	113.5	173 - 238	205.5	8.3	61.2 - 63.6	62.4	
42	91 - 92	92	147.0 - 153.7	150.4	145.8 - 152.4	149.1	1.5	1.88 - 2.00	1.94	108 - 119	113.5	173 - 238	205.5	8.7	61.3 - 63.9	62.6	
43	90 - 92	91	153.3 - 160.1	156.7	152.0 - 158.7	155.4	1.6	1.88 - 2.00	1.94	108 - 119	113.5	173 - 238	205.5	9.1	61.5 - 64.1	62.8	
44	90 - 92	91	159.6 - 166.5	163.1	158.1 - 165.0	161.6	1.6	1.88 - 2.00	1.94	108 - 119	113.5	173 - 238	205.5	9.5	61.6 - 64.2	62.9	
45	89 - 91	90	165.8 - 172.9	169.4	164.3 - 171.3	167.8	1.7	1.89 - 2.01	1.95	107 - 118	112.5	171 - 236	203.5	9.9	61.6 - 64.2	62.9	
46	89 - 91	90	172.1 - 179.3	175.7	170.4 - 177.6	174.0	1.8	1.89 - 2.01	1.95	107 - 118	112.5	171 - 236	203.5	10.3	61.7 - 64.3	63.0	
47	88 - 90	89	178.2 - 185.6	181.9	176.4 - 183.7	180.1	1.9	1.89 - 2.01	1.95	107 - 118	112.5	171 - 236	203.5	10.6	61.8 - 64.4	63.1	
48	88 - 90	89	184.4 - 191.9	188.2	182.5 - 189.9	186.2	1.9	1.89 - 2.01	1.95	107 - 118	112.5	171 - 236	203.5	11.0	61.9 - 64.5	63.2	
49	88 - 90	89	190.5 - 198.2	194.4	188.5 - 196.1	192.3	2.0	1.89 - 2.01	1.95	107 - 118	112.5	171 - 236	203.5	11.4	62.0 - 64.6	63.3	
50	88 - 89	89	196.7 - 204.4	200.6	194.5 - 202.2	198.4	2.1	1.89 - 2.01	1.95	107 - 118	112.5	171 - 236	203.5	11.8	62.1 - 64.7	63.4	
51	87 - 89	88	202.8 - 210.6	206.7	200.5 - 208.3	204.4	2.1	1.89 - 2.01	1.95	106 - 117	111.5	170 - 234	202	12.2	62.1 - 64.7	63.4	
52	87 - 89	88	208.9 - 216.9	212.9	206.4 - 214.4	210.4	2.2	1.89 - 2.01	1.95	106 - 117	111.5	170 - 234	202	12.5	62.2 - 64.8	63.5	
53	87 - 88	88	215.0 - 223.0	219.0	212.4 - 220.4	216.4	2.3	1.89 - 2.01	1.95	106 - 117	111.5	170 - 234	202	12.9	62.2 - 64.8	63.5	
54	87 - 88	88	221.1 - 229.2	225.2	218.3 - 226.4	222.4	2.3	1.89 - 2.01	1.95	106 - 117	111.5	170 - 234	202	13.3	62.2 - 64.8	63.5	
55	86 - 88	87	227.1 - 235.3	231.2	224.2 - 232.4	228.3	2.4	1.90 - 2.02	1.96	106 - 117	111.5	170 - 234	202	13.7	62.2 - 64.8	63.5	
56	86 - 87	87	233.1 - 241.4	237.3	230.1 - 238.4	234.3	2.5	1.90 - 2.02	1.96	106 - 117	111.5	170 - 234	202	14.0	62.3 - 64.9	63.6	
57	85 - 87	86	239.1 - 247.5	243.3	235.9 - 244.3	240.1	2.6	1.90 - 2.02	1.96	106 - 117	111.5	170 - 234	202	14.4	62.3 - 64.9	63.6	
58	85 - 87	86	245.0 - 253.6	249.3	241.7 - 250.2	246.0	2.6	1.90 - 2.02	1.96	106 - 117	111.5	170 - 234	202	14.8	62.3 - 64.9	63.6	
59	85 - 87	86	251.0 - 259.7	255.4	247.5 - 256.1	251.8	2.7	1.90 - 2.02	1.96	106 - 117	111.5	170 - 234	202	15.1	62.4 - 65.0	63.7	
60	84 - 86	85	256.8 - 265.7	261.3	253.2 - 262.0	257.6	2.8	1.90 - 2.02	1.96	106 - 117	111.5	170 - 234	202	15.5	62.4 - 65.0	63.7	
61	84 - 86	85	262.7 - 271.7	267.2	258.9 - 267.8	263.4	2.9	1.90 - 2.02	1.96	106 - 117	111.5	170 - 234	202	15.9	62.5 - 65.1	63.8	
62	83 - 86	85	268.5 - 277.8	273.2	264.5 - 273.7	269.1	2.9	1.90 - 2.02	1.96	106 - 117	111.5	170 - 234	202	16.2	62.5 - 65.1	63.8	
63	83 - 85	84	274.3 - 283.7	279.0	270.1 - 279.4	274.8	3.0	1.90 - 2.02	1.96	106 - 117	111.5	170 - 234	202	16.6	62.6 - 65.2	63.9	
64	83 - 85	84	280.1 - 289.7	284.9	275.8 - 285.2	280.5	3.1	1.90 - 2.02	1.96	106 - 117	111.5	170 - 234	202	16.9	62.6 - 65.2	63.9	
65	83 - 85	84	286.0 - 295.6	290.8	281.4 - 291.0	286.2	3.2	1.90 - 2.02	1.96	106 - 117	111.5	170 - 234	202	17.3	62.7 - 65.3	64.0	
66	82 - 84	83	291.7 - 301.5	296.6	286.9 - 296.6	291.8	3.3	1.90 - 2.02	1.96	106 - 117	111.5	170 - 234	202	17.7	62.7 - 65.3	64.0	
67	81 - 84	83	297.4 - 307.4	302.4	292.4 - 302.3	297.4	3.4	1.90 - 2.02	1.96	106 - 117	111.5	170 - 234	202	18.0	62.8 - 65.4	64.1	
68	81 - 83	82	303.0 - 313.2	308.1	297.9 - 307.9	302.9	3.5	1.90 - 2.02	1.96	106 - 117	111.5	170 - 234	202	18.4	62.8 - 65.4	64.1	
69	81 - 82	82	308.7 - 318.9	313.8	303.3 - 313.4	308.4	3.7	1.90 - 2.02	1.96	106 - 117	111.5	170 - 234	202	18.7	62.9 - 65.5	64.2	
70	80 - 82	81	314.3 - 324.7	319.5	308.7 - 319.0	313.9	3.8	1.91 - 2.03	1.97	106 - 117	111.5	170 - 234	202	19.1	62.9 - 65.5	64.2	
71	79 - 81	80	319.8 - 330.3	325.1	314.0 - 324.4	319.2	3.9	1.91 - 2.03	1.97	106 - 117	111.5	170 - 234	202	19.4	63.0 - 65.6	64.3	
72	79 - 81	80	325.4 - 336.0	330.7	319.3 - 329.9	324.6	4.0	1.91 - 2.03	1.97	106 - 117	111.5	170 - 234	202	19.7	63.0 - 65.6	64.3	
73	78 - 80	79	330.8 - 341.6	336.2	324.6 - 335.2	329.9	4.1	1.91 - 2.03	1.97	106 - 117	111.5	170 - 234	202	20.1	63.1 - 65.7	64.4	
74	77 - 80	79	336.2 - 347.2	341.7	329.7 - 340.6	335.2	4.3	1.91 - 2.03	1.97	106 - 117	111.5	170 - 234	202	20.4	63.1 - 65.7	64.4	
75	76 - 79	78	341.5 - 352.7	347.1	334.8 - 345.9	340.4	4.4	1.91 - 2.03	1.97	106 - 117	111.5	170 - 234	202	20.7	63.2 - 65.8	64.5	
76	76 - 78	77	346.9 - 358.2	352.6	339.9 - 351.1	345.5	4.5	1.91 - 2.03	1.97	106 - 117	111.5	170 - 234	202	21.1	63.2 - 65.8	64.5	
77	75 - 77	76	352.1 - 363.6	357.9	344.9 - 356.2	350.6	4.7	1.91 - 2.03	1.97	106 - 117	111.5	170 - 234	202	21.4	63.3 - 65.9	64.6	
78	75 - 77	76	357.4 - 369.0	363.2	349.9 - 361.3	355.6	4.8	1.91 - 2.03	1.97	106 - 117	111.5	170 - 234	202	21.7	63.3 - 65.9	64.6	
79	74 - 77	76	362.5 - 374.4	368.5	354.8 - 366.5	360.7	5.0	1.91 - 2.03	1.97	106 - 117	111.5	170 - 234	202	22.0	63.4 - 66.0	64.7	
80	74 - 76	75	367.7 - 379.7	373.7	359.7 - 371.5	365.6	5.1	1.91 - 2.03	1.97	106 - 117	111.5						