Performance Standards

AGE (weeks)	% HEN-DAY Current	HEN-DAY EGGS Cumulative	HEN-HOUSED EGGS Cumulative	MORTALITY Cumulative (%)	BODY WEIGHT (kg)	FEED CONSUMPTION (g / day per bird)	HEN-HOUSED EGG MASS Cumulative (kg)	AVERAGE EGG WEIGHT* (g / egg)
18	4 – 14	0.3 – 1.0	0.3 – 1.0	0.0	1.47 – 1.57	82 – 88	0.0	48.8 – 50.0
19	24 – 38	2.0 – 3.6	2.0 – 3.6	0.1	1.57 – 1.67	85 – 91	0.1	49.0 – 51.0
20	45 – 72	5.1 – 8.7	5.1 – 8.7	0.1	1.63 – 1.73	91 – 97	0.3	50.2 – 52.2
21	75 – 86	10.4 – 14.7	10.3 – 14.7	0.2	1.67 – 1.77	95 – 101	0.5	51.5 – 53.6
22	87 – 92	16.5 – 21.1	16.4 – 21.1	0.3	1.72 – 1.82	99 – 105	0.9	53.1 – 55.3
23	92 – 94	22.9 – 27.7	22.8 – 27.7	0.3	1.75 – 1.85	103 – 109	1.2	54.4 – 56.6
24	92 – 95	29.3 – 34.4	29.2 – 34.3	0.4	1.78 – 1.90	105 – 111	1.6	55.5 – 57.7
25	93 – 95	35.8 – 41.0	35.7 – 40.9	0.4	1.79 – 1.91	106 – 112	2.0	56.6 – 59.0
26	94 – 96	42.4 – 47.7	42.3 – 47.6	0.5	1.80 – 1.92	107 – 113	2.3	57.3 – 59.7
27	95 – 96	49.1 – 54.5	48.9 – 54.3	0.6	1.82 – 1.94	107 – 113	2.7	58.4 – 60.8
28	95 – 96	55.7 – 61.2	55.5 – 60.9	0.6	1.83 – 1.95	107 – 113	3.1	59.0 – 61.4
29	95 – 96	62.4 – 67.9	62.1 – 67.6	0.7	1.84 – 1.96	107 – 113	3.5	59.3 – 61.7
30	94 – 96	69.0 – 74.6	68.6 – 74.3	0.7	1.84 – 1.96	107 – 113	3.9	59.7 – 62.1
31	94 – 96	75.5 – 81.3	75.1 – 80.9	0.8	1.84 – 1.96	108 – 114	4.3	59.9 – 62.3
32	94 – 95	82.1 – 88.0	81.7 – 87.5	0.9	1.85 – 1.97	108 – 114	4.7	60.1 – 62.5
33	94 – 95	88.7 – 94.6	88.2 – 94.1	0.9	1.85 – 1.97	108 – 114	5.1	60.3 – 62.7
34	94 – 95	95.3 – 101.3	94.7 – 100.7	1.0	1.85 – 1.97	108 – 114	5.5	60.5 – 62.9
35	94 – 95	101.9 – 107.9	101.2 – 107.3	1.0	1.85 – 1.97	108 – 114	5.9	60.6 – 63.0
36	93 – 94	108.4 – 114.5	107.6 – 113.8	1.1	1.86 – 1.98	108 – 114	6.3	60.7 – 63.1
37	93 – 94	114.9 – 121.1	114.1 – 120.3	1.2	1.86 – 1.98	108 – 114	6.7	60.8 – 63.2
38	93 – 94	121.4 – 127.7	120.5 – 126.8	1.2	1.86 – 1.98	108 – 114	7.1	60.9 – 63.3
39	92 – 93	127.8 – 134.2	126.9 – 133.2	1.3	1.87 – 1.99	108 – 114	7.5	61.0 – 63.4
40	92 – 93	134.3 – 140.7	133.2 – 139.6	1.4	1.87 – 1.99	108 – 114	7.9	61.1 – 63.5
41	91 – 93	140.6 – 147.2	139.5 – 146.0	1.4	1.87 – 1.99	108 – 114	8.3	61.2 – 63.6
42	91 – 92	147.0 – 153.7	145.8 – 152.4	1.5	1.88 – 2.00	108 – 114	8.7	61.3 – 63.9
43	90 – 92	153.3 – 160.1	152.0 – 158.7	1.6	1.88 – 2.00	108 – 114	9.1	61.5 – 64.1
44	90 – 92	159.6 – 166.5	158.1 – 165.0	1.6	1.88 – 2.00	108 – 114	9.5	61.6 – 64.2
45	89 – 91	165.8 – 172.9	164.3 – 171.3	1.7	1.89 – 2.01	107 – 113	9.9	61.6 – 64.2
46	89 – 91	172.1 – 179.3	170.4 – 177.6	1.8	1.89 – 2.01	107 – 113	10.3	61.7 – 64.3
47	88 – 90	178.2 – 185.6	176.4 – 183.7	1.9	1.89 – 2.01	107 – 113	10.6	61.8 – 64.4
48	88 – 90	184.4 – 191.9	182.5 – 189.9	1.9	1.89 – 2.01	107 – 113	11.0	61.9 – 64.5
49	88 – 90	190.5 – 198.2	188.5 – 196.1	2.0	1.89 – 2.01	107 – 113	11.4	62.0 – 64.6
50	88 – 89	196.7 – 204.4	194.5 – 202.2	2.1	1.89 – 2.01	107 – 113	11.8	62.1 – 64.7
51	87 – 89	202.8 – 210.6	200.5 – 208.3	2.1	1.89 – 2.01	106 – 112	12.2	62.1 – 64.7
52	87 – 89	208.9 – 216.9	206.4 – 214.4	2.2	1.89 – 2.01	106 – 112	12.5	62.2 – 64.8
53	87 – 88	215.0 – 223.0	212.4 – 220.4	2.3	1.89 – 2.01	106 – 112	12.9	62.2 – 64.8
54	87 – 88	221.1 – 229.2	218.3 – 226.4	2.3	1.89 – 2.01	106 – 112	13.3	62.2 – 64.8
55	86 – 88	227.1 – 235.3	224.2 – 232.4	2.4	1.90 – 2.02	106 – 112	13.7	62.2 – 64.8
56	86 – 87	233.1 – 241.4	230.1 – 238.4	2.5	1.90 – 2.02	106 – 112	14.0	62.3 – 64.9
57	85 – 87	239.1 – 247.5	235.9 – 244.3	2.6	1.90 – 2.02	106 – 112	14.4	62.3 – 64.9
58	85 – 87	245.0 – 253.6	241.7 – 250.2	2.6	1.90 – 2.02	106 – 112	14.8	62.3 – 64.9
59	85 – 87	251.0 – 259.7	247.5 – 256.1	2.7	1.90 – 2.02	106 – 112	15.1	62.4 – 65.0
60	84 – 86	256.8 – 265.7	253.2 – 262.0	2.8	1.90 – 2.02	106 – 112	15.5	62.4 – 65.0

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

Performance Standards *(continued)*

AGE (weeks)	% HEN-DAY Current	HEN-DAY EGGS Cumulative	HEN-HOUSED EGGS Cumulative	MORTALITY Cumulative (%)	BODY WEIGHT (kg)	FEED CONSUMPTION (g / day per bird)	HEN-HOUSED EGG MASS Cumulative (kg)	AVERAGE EGG WEIGHT* (g / egg)
61	84 – 86	262.7 – 271.7	258.9 – 267.8	2.9	1.90 – 2.02	106 – 112	15.9	62.5 – 65.1
62	83 – 86	268.5 – 277.8	264.5 – 273.7	2.9	1.90 – 2.02	106 – 112	16.2	62.5 – 65.1
63	83 – 85	274.3 – 283.7	270.1 – 279.4	3.0	1.90 – 2.02	106 – 112	16.6	62.6 – 65.2
64	83 – 85	280.1 – 289.7	275.8 – 285.2	3.1	1.90 – 2.02	106 – 112	16.9	62.6 – 65.2
65	83 – 85	286.0 – 295.6	281.4 – 291.0	3.2	1.90 – 2.02	106 – 112	17.3	62.7 – 65.3
66	82 – 84	291.7 – 301.5	286.9 – 296.6	3.3	1.90 – 2.02	106 – 112	17.7	62.7 – 65.3
67	81 – 84	297.4 – 307.4	292.4 – 302.3	3.4	1.90 – 2.02	106 – 112	18.0	62.8 – 65.4
68	81 – 83	303.0 – 313.2	297.9 – 307.9	3.5	1.90 – 2.02	106 – 112	18.4	62.8 – 65.4
69	81 – 82	308.7 – 318.9	303.3 – 313.4	3.7	1.90 – 2.02	106 – 112	18.7	62.9 – 65.5
70	80 – 82	314.3 – 324.7	308.7 – 319.0	3.8	1.91 – 2.03	106 – 112	19.1	62.9 – 65.5
71	79 – 81	319.8 – 330.3	314.0 – 324.4	3.9	1.91 – 2.03	106 – 112	19.4	63.0 – 65.6
72	79 – 81	325.4 – 336.0	319.3 – 329.9	4.0	1.91 – 2.03	106 – 112	19.7	63.0 – 65.6
73	78 – 80	330.8 – 341.6	324.6 – 335.2	4.1	1.91 – 2.03	106 – 112	20.1	63.1 – 65.7
74	77 – 80	336.2 – 347.2	329.7 – 340.6	4.3	1.91 – 2.03	106 – 112	20.4	63.1 – 65.7
75	76 – 79	341.5 – 352.7	334.8 – 345.9	4.4	1.91 – 2.03	106 – 112	20.7	63.2 – 65.8
76	76 – 78	346.9 – 358.2	339.9 – 351.1	4.5	1.91 – 2.03	106 – 112	21.1	63.2 – 65.8
77	75 – 77	352.1 – 363.6	344.9 – 356.2	4.7	1.91 – 2.03	106 – 112	21.4	63.3 – 65.9
78	75 – 77	357.4 – 369.0	349.9 – 361.3	4.8	1.91 – 2.03	106 – 112	21.7	63.3 – 65.9
79	74 – 77	362.5 – 374.4	354.8 – 366.5	5.0	1.91 – 2.03	106 – 112	22.0	63.4 – 66.0
80	74 – 76	367.7 – 379.7	359.7 – 371.5	5.1	1.91 – 2.03	106 – 112	22.4	63.5 – 66.1
81	74 – 76	372.9 – 385.0	364.6 – 376.5	5.3	1.91 – 2.03	106 – 112	22.7	63.5 – 66.1
82	74 – 76	378.1 – 390.3	369.5 – 381.6	5.4	1.91 – 2.03	106 – 112	23.0	63.5 – 66.1
83	73 – 75	383.2 – 395.6	374.4 – 386.5	5.6	1.91 – 2.03	106 – 112	23.3	63.6 – 66.2
84	73 – 75	388.3 – 400.8	379.2 – 391.5	5.7	1.91 – 2.03	106 – 112	23.6	63.6 – 66.2
85	73 – 75	393.4 – 406.1	384.0 – 396.4	5.9	1.91 – 2.03	106 – 112	23.9	63.6 – 66.2
86	73 – 75	398.5 – 411.3	388.8 – 401.4	6.0	1.91 – 2.03	106 – 112	24.2	63.6 – 66.2
87	72 – 74	403.6 – 416.5	393.5 – 406.2	6.2	1.91 – 2.03	106 – 112	24.5	63.7 – 66.3
88	72 – 74	408.6 – 421.7	398.2 – 411.1	6.3	1.91 – 2.03	106 – 112	24.9	63.7 – 66.3
89	72 – 74	413.6 – 426.9	402.9 – 415.9	6.5	1.91 – 2.03	106 – 112	25.2	63.7 – 66.3
90	72 – 74	418.7 – 432.0	407.7 – 420.7	6.6	1.91 – 2.03	106 – 112	25.5	63.7 – 66.3

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

Performance Table

AGE (weeks)	% HEN-DAY Current	HEN-DAY EGGS Cumulative	HEN-HOUSED EGGS Cumulative	MORTALITY Cumulative (%)	BODY WEIGHT (kg)	FEED INTAKE (g / day per bird)	HEN-HOUSED EGG MASS Cumulative (kg)	AVERAGE EGG WEIGHT* (g / egg)
18	2 – 3	0.1 – 0.2	0.1 – 0.2	0.0	1.26 – 1.30	70 – 76	0.01	44.6
19	15 – 22	1.3 – 1.7	1.3 – 1.7	0.1	1.32 – 1.36	73 – 79	0.06	45.7
20	35 – 50	3.7 – 5.2	3.7 – 5.2	0.1	1.36 – 1.40	76 – 82	0.2	46.9
21	62 – 75	8.1 – 10.4	8.0 – 10.4	0.2	1.41 – 1.45	77 – 83	0.4	49.6
22	82 – 88	13.8 – 16.6	13.8 – 16.6	0.3	1.44 – 1.48	80 – 86	0.7	52.3
23	90 – 92	20.1 – 23.0	20.0 – 23.0	0.4	1.45 – 1.49	84 – 90	1.0	53.7
24	93 – 94	26.6 – 29.6	26.5 – 29.5	0.4	1.46 – 1.50	87 – 93	1.4	55.0
25	94 – 96	33.2 – 36.3	33.1 – 36.2	0.5	1.47 – 1.51	89 – 95	1.7	56.4
26	95 – 96	39.8 – 43.1	39.7 – 42.9	0.6	1.48 – 1.52	91 – 97	2.1	57.1
27	95 – 96	46.5 – 49.8	46.3 – 49.6	0.7	1.49 – 1.53	91 – 97	2.5	57.6
28	95 – 96	53.1 – 56.5	52.9 – 56.2	0.8	1.49 – 1.53	91 – 97	2.9	58.0
29	95 – 96	59.8 – 63.2	59.5 – 62.9	0.9	1.50 – 1.54	91 – 97	3.3	58.6
30	95 – 96	66.4 – 69.9	66.1 – 69.5	1.0	1.50 – 1.54	91 – 97	3.7	59.2
31	95 – 96	73.1 – 76.7	72.6 – 76.2	1.0	1.50 – 1.54	93 – 99	4.1	59.6
32	94 – 96	79.7 – 83.4	79.1 – 82.8	1.1	1.50 – 1.54	93 – 99	4.4	59.7
33	94 – 95	86.2 – 90.0	85.6 – 89.4	1.2	1.50 – 1.54	94 – 100	4.8	60.2
34	93 – 95	92.8 – 96.7	92.1 – 96.0	1.3	1.51 – 1.55	94 – 100	5.2	60.7
35	93 – 95	99.3 – 103.3	98.5 – 102.5	1.3	1.51 – 1.55	94 – 100	5.6	60.8
36	93 – 95	105.8 – 110.0	104.9 – 109.1	1.4	1.51 – 1.55	94 – 100	6.0	61.0
37	92 – 94	112.2 – 116.6	111.3 – 115.6	1.5	1.52 – 1.56	94 – 100	6.4	61.1
38	92 – 94	118.7 – 123.1	117.6 – 122.1	1.5	1.52 – 1.56	94 – 100	6.8	61.2
39	92 – 93	125.1 – 129.6	123.9 – 128.5	1.6	1.52 – 1.56	95 – 101	7.2	61.3
40	92 – 93	131.5 – 136.2	130.3 – 134.9	1.7	1.52 – 1.56	95 – 101	7.6	61.5
41	92 – 93	138.0 – 142.7	136.6 – 141.3	1.7	1.52 – 1.56	94 – 100	8.0	61.7
42	91 – 92	144.3 – 149.1	142.9 – 147.6	1.8	1.52 – 1.56	95 – 101	8.3	62.2
43	91 – 92	150.7 – 155.5	149.1 – 153.9	1.9	1.52 – 1.56	95 – 101	8.7	62.2
44	90 – 92	157.0 – 162.0	155.3 – 160.2	1.9	1.53 – 1.57	95 – 101	9.1	62.3
45	90 – 91	163.3 – 168.4	161.5 – 166.5	2.0	1.53 – 1.57	95 – 101	9.5	62.4
46	90 – 91	169.6 – 174.7	167.6 – 172.7	2.0	1.53 – 1.57	96 – 102	9.9	62.5
47	90 – 91	175.9 – 181.1	173.8 – 178.9	2.1	1.53 – 1.57	96 – 102	10.3	62.6
48	89 – 90	182.1 – 187.4	179.9 – 185.1	2.2	1.53 – 1.57	96 – 102	10.7	62.6
49	89 – 90	188.4 – 193.7	186.0 – 191.3	2.3	1.53 – 1.57	97 – 103	11.0	62.7
50	89 – 90	194.6 – 200.0	192.1 – 197.4	2.4	1.53 – 1.57	97 – 103	11.4	62.7
51	88 – 89	200.8 – 206.2	198.1 – 203.5	2.5	1.53 – 1.57	97 – 103	11.8	62.8
52	88 – 89	206.9 – 212.5	204.1 – 209.6	2.6	1.54 – 1.58	97 – 103	12.2	62.9
53	87 – 89	213.0 – 218.7	210.0 – 215.6	2.7	1.54 – 1.58	97 – 103	12.5	63.0
54	87 – 88	219.1 – 224.8	215.9 – 221.6	2.8	1.54 – 1.58	97 – 103	12.9	63.0
55	87 – 88	225.2 – 231.0	221.8 – 227.6	2.9	1.54 – 1.58	97 – 103	13.3	63.1
56	86 – 88	231.2 – 237.2	227.7 – 233.6	3.0	1.54 – 1.58	97 – 103	13.7	63.1
57	86 – 87	237.2 – 243.3	233.5 – 239.5	3.1	1.54 – 1.58	97 – 103	14.0	63.2
58	86 – 87	243.3 – 249.3	239.3 – 245.4	3.2	1.54 – 1.58	97 – 103	14.4	63.2
59	85 – 87	249.2 – 255.4	245.1 – 251.2	3.3	1.54 – 1.58	97 – 103	14.8	63.3
60	85 – 87	255.2 – 261.5	250.8 – 257.1	3.4	1.54 – 1.58	96 – 102	15.1	63.3

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

Performance Table *(continued)*

AGE (weeks)	% HEN-DAY Current	HEN-DAY EGGS Cumulative	HEN-HOUSED EGGS Cumulative	MORTALITY Cumulative (%)	BODY WEIGHT (kg)	FEED INTAKE (g / day per bird)	HEN-HOUSED EGG MASS Cumulative (kg)	AVERAGE EGG WEIGHT* (g / egg)
61	85 – 86	261.1 – 267.5	256.6 – 262.9	3.5	1.54 – 1.58	96 – 102	15.5	63.4
62	84 – 86	267.0 – 273.6	262.2 – 268.7	3.6	1.54 – 1.58	96 – 102	15.8	63.4
63	84 – 86	272.9 – 279.6	267.9 – 274.5	3.7	1.54 – 1.58	95 – 101	16.2	63.4
64	83 – 86	278.7 – 285.6	273.5 – 280.3	3.8	1.54 – 1.58	95 – 101	16.6	63.5
65	83 – 85	284.5 – 291.6	279.1 – 286.0	3.9	1.54 – 1.58	95 – 101	16.9	63.5
66	83 – 85	290.3 – 297.5	284.6 – 291.8	4.0	1.54 – 1.58	95 – 101	17.3	63.6
67	82 – 84	296.0 – 303.4	290.1 – 297.4	4.2	1.54 – 1.58	94 – 100	17.6	63.6
68	82 – 84	301.8 – 309.3	295.6 – 303.0	4.3	1.54 – 1.58	94 – 100	18.0	63.6
69	82 – 84	307.5 – 315.1	301.1 – 308.6	4.4	1.54 – 1.58	94 – 100	18.3	63.6
70	81 – 83	313.2 – 321.0	306.5 – 314.2	4.5	1.54 – 1.58	93 – 99	18.7	63.6
71	81 – 83	318.9 – 326.8	311.9 – 319.7	4.7	1.54 – 1.58	93 – 99	19.0	63.6
72	81 – 83	324.5 – 332.6	317.3 – 325.3	4.8	1.54 – 1.58	93 – 99	19.4	63.6
73	81 – 82	330.2 – 338.3	322.7 – 330.7	4.9	1.54 – 1.58	93 – 99	19.7	63.6
74	80 – 82	335.8 – 344.1	328.1 – 336.2	5.0	1.54 – 1.58	92 – 98	20.0	63.7
75	80 – 82	341.4 – 349.8	333.4 – 341.6	5.1	1.54 – 1.58	92 – 98	20.4	63.7
76	79 – 82	346.9 – 355.5	338.6 – 347.0	5.3	1.54 – 1.58	92 – 98	20.7	63.7
77	79 – 81	352.5 – 361.2	343.8 – 352.4	5.4	1.54 – 1.58	91 – 97	21.0	63.7
78	78 – 81	357.9 – 366.9	349.0 – 357.8	5.5	1.54 – 1.58	91 – 97	21.4	63.8
79	78 – 80	363.4 – 372.5	354.2 – 363.1	5.6	1.54 – 1.58	91 – 97	21.7	63.8
80	77 – 80	368.8 – 378.1	359.2 – 368.3	5.7	1.54 – 1.58	91 – 97	22.0	63.8
81	76 – 79	374.1 – 383.6	364.2 – 373.5	5.9	1.55 – 1.59	91 – 97	22.3	63.8
82	76 – 79	379.4 – 389.1	369.2 – 378.7	6.0	1.55 – 1.59	90 – 96	22.7	63.8
83	75 – 78	384.7 – 394.6	374.2 – 383.9	6.1	1.55 – 1.59	90 – 96	23.0	63.8
84	74 – 77	389.8 – 400.0	379.0 – 388.9	6.2	1.55 – 1.59	90 – 96	23.3	63.8
85	74 – 77	395.0 – 405.4	383.9 – 394.0	6.3	1.55 – 1.59	90 – 96	23.6	63.8
86	73 – 76	400.1 – 410.7	388.7 – 399.0	6.4	1.55 – 1.59	90 – 96	23.9	63.8
87	72 – 75	405.2 – 415.9	393.4 – 403.9	6.5	1.55 – 1.59	89 – 95	24.2	63.8
88	72 – 75	410.2 – 421.2	398.1 – 408.8	6.6	1.55 – 1.59	89 – 95	24.5	63.8
89	71 – 74	415.2 – 426.4	402.7 – 413.6	6.7	1.55 – 1.59	89 – 95	24.8	63.8
90	70 – 73	420.1 – 431.5	407.3 – 418.4	6.8	1.55 – 1.59	89 – 95	25.1	63.8

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

Post-Molt Performance Table

WEEKS POST MOLT	% HEN–DAY		HEN–DAY EGGS Cumulative		HEN–HOUSED EGGS		MORTALITY (%)		BODY WEIGHT (kg)		FEED INTAKE (g/day per bird)		HEN–HOUSED EGG MASS Cumulative (kg)		AVERAGE EGG WEIGHT* (g / egg)	
	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late	Early	Late
1	–	–	279.3	336.1	280.6	328.4	4.0	5.2	1.51	1.53	47	50	16.7	20.1	–	–
2	–	–	279.3	336.1	280.6	328.4	4.1	5.3	1.48	1.50	47	50	16.7	20.1	–	–
3	–	–	279.3	336.1	280.6	328.4	4.2	5.4	1.48	1.50	64	67	16.7	20.1	–	–
4	–	–	279.3	336.1	280.6	328.4	4.3	5.4	1.48	1.50	78	81	16.7	20.1	–	–
5	10	9	280.0	336.7	281.3	329.0	4.4	5.5	1.49	1.51	85	88	16.7	20.1	62.5	62.7
6	48	40	283.4	339.5	284.5	331.6	4.5	5.6	1.52	1.54	90	93	16.9	20.3	63.0	63.2
7	73	61	288.5	343.8	289.4	335.7	4.6	5.6	1.54	1.56	95	98	17.3	20.6	63.5	63.7
8	84	72	294.4	348.8	295.0	340.4	4.6	5.7	1.55	1.57	97	100	17.6	20.9	63.5	63.7
9	87	79	300.4	354.4	300.8	345.6	4.7	5.8	1.56	1.58	99	102	18.0	21.2	63.5	63.7
10	88	82	306.6	360.1	306.6	351.0	4.8	5.9	1.56	1.58	100	103	18.4	21.5	63.6	63.7
11	88	83	312.8	365.9	312.5	356.5	4.9	6.0	1.57	1.59	100	103	18.7	21.9	63.6	63.8
12	89	84	319.0	371.8	318.4	362.0	4.9	6.1	1.57	1.59	101	104	19.1	22.2	63.6	63.8
13	89	85	325.2	377.8	324.3	367.6	5.0	6.1	1.57	1.59	101	104	19.5	22.6	63.6	63.8
14	88	85	331.4	383.7	330.2	373.2	5.1	6.2	1.58	1.60	101	104	19.8	23.0	63.6	63.8
15	87	84	337.5	389.6	336.0	378.7	5.2	6.3	1.58	1.60	101	104	20.2	23.3	63.6	63.8
16	87	84	343.6	395.5	341.7	384.2	5.2	6.4	1.58	1.60	101	104	20.6	23.7	63.7	63.9
17	87	83	349.7	401.3	347.5	389.6	5.3	6.5	1.58	1.60	101	104	21.0	24.0	63.7	63.9
18	87	83	355.7	407.1	353.3	395.1	5.4	6.6	1.58	1.60	102	105	21.3	24.4	63.7	63.9
19	87	83	361.8	412.9	359.0	400.5	5.5	6.7	1.58	1.60	102	105	21.7	24.7	63.7	63.9
20	86	82	367.9	418.6	364.7	405.8	5.6	6.8	1.58	1.60	102	105	22.0	25.0	63.7	63.9
21	86	82	373.9	424.4	370.4	411.2	5.7	6.9	1.58	1.60	102	105	22.4	25.4	63.7	63.9
22	86	82	379.9	430.1	376.0	416.5	5.8	7.0	1.58	1.60	102	105	22.8	25.7	63.7	63.9
23	86	82	385.9	435.9	381.7	421.8	5.9	7.1	1.58	1.60	102	105	23.1	26.1	63.7	63.9
24	86	82	391.9	441.6	387.4	427.2	5.9	7.2	1.58	1.60	102	105	23.5	26.4	63.7	63.9
25	86	82	398.0	447.3	393.0	432.5	6.0	7.3	1.58	1.60	102	105	23.9	26.7	63.7	63.9
26	86	82	404.0	453.1	398.7	437.8	6.1	7.4	1.58	1.60	102	105	24.2	27.1	63.7	63.9
27	86	82	410.0	458.8	404.3	443.1	6.2	7.5	1.58	1.60	102	105	24.6	27.4	63.7	63.9
28	85	81	415.9	464.5	409.9	448.4	6.3	7.6	1.58	1.60	102	105	24.9	27.8	63.7	63.9
29	85	81	421.9	470.2	415.5	453.6	6.4	7.7	1.58	1.60	102	105	25.3	28.1	63.7	63.9
30	85	81	427.8	475.8	421.0	458.8	6.5	7.8	1.58	1.60	102	105	25.6	28.4	63.7	63.9
31	85	81	433.8	481.5	426.6	464.0	6.6	7.9	1.58	1.60	102	105	26.0	28.8	63.7	63.9
32	84	80	439.7	487.1	432.1	469.2	6.7	8.0	1.58	1.60	102	105	26.3	29.1	63.7	63.9
33	84	80	445.6	492.7	437.5	474.3	6.8	8.1	1.58	1.60	102	105	26.7	29.4	63.7	63.9
34	83	79	451.4	498.2	443.0	479.4	6.9	8.2	1.58	1.60	103	106	27.0	29.7	63.7	63.9
35	82	78	457.1	503.7	448.3	484.4	7.0	8.3	1.58	1.60	103	106	27.4	30.1	63.8	63.9
36	82	78	462.8	509.1	453.6	489.4	7.1	8.4	1.58	1.60	103	106	27.7	30.4	63.8	63.9
37	81	77	468.5	514.5	458.9	494.4	7.2	8.5	1.58	1.60	103	106	28.0	30.7	63.8	63.9
38	80	76	474.1	519.9	464.1	499.2	7.3	8.6	1.58	1.60	103	106	28.4	31.0	63.8	63.9
39	80	76	479.7	525.2	469.3	504.1	7.4	8.8	1.58	1.60	103	106	28.7	31.3	63.8	63.9
40	80	76	485.3	530.5	474.4	508.9	7.5	8.9	1.58	1.60	103	106	29.0	31.6	63.8	63.9
41	79	–	490.8	–	479.5	–	7.7	–	1.58	–	103	–	29.4	–	63.8	–
42	79	–	496.4	–	484.6	–	7.8	–	1.58	–	103	–	29.7	–	63.8	–
43	79	–	501.9	–	489.7	–	7.9	–	1.58	–	103	–	30.0	–	63.8	–
44	78	–	507.4	–	494.8	–	8.0	–	1.58	–	103	–	30.3	–	63.8	–
45	78	–	512.8	–	499.8	–	8.1	–	1.58	–	103	–	30.7	–	63.8	–

Early: A molting program starting at approximately 65 weeks of age.
Late: A molting program starting at approximately 75 weeks of age.

Performance Table

Age in Weeks	% Hen-Day Production		Mortality Cumulative	Hen-Day Eggs Cumulative		Hen-Housed Eggs Cumulative		Body Weight	Average Egg Weight*	Feed Consumption	Hen-Housed Egg Mass Cumulative	Egg Quality		
	Optimum Conditions	Average Conditions	%	Optimum Conditions	Average Conditions	Optimum Conditions	Average Conditions	kg	g/egg	g/day per bird	kg	Haugh Units	% Solids**	Breaking Strength
17	5	2	0.1	0.4	0.1	0.3	0.1	1.23	44.1	72	0.0	99.2	22.8	4830
18	26	23	0.2	2.2	1.8	2.2	1.7	1.28	46.3	81	0.1	99.0	22.9	4850
19	50	47	0.3	5.7	5.0	5.7	5.0	1.33	48.2	87	0.2	98.8	23.0	4870
20	74	71	0.4	10.9	10.0	10.8	10.0	1.39	49.9	91	0.5	98.6	23.0	4850
21	88	84	0.5	17.0	15.9	17.0	15.8	1.43	51.5	93	0.8	98.5	23.1	4830
22	92	90	0.6	23.5	22.2	23.4	22.1	1.46	53.0	95	1.1	98.4	23.1	4810
23	94	92	0.6	30.0	28.6	29.9	28.5	1.48	54.4	97	1.5	98.3	23.2	4790
24	95	92	0.7	36.7	35.1	36.5	34.9	1.50	55.7	97	1.8	98.2	23.2	4770
25	95	93	0.8	43.3	41.6	43.1	41.4	1.51	56.9	98	2.2	98.1	23.3	4750
26	95	93	0.9	50.0	48.1	49.7	47.8	1.52	57.9	99	2.6	98.0	23.3	4730
27	96	93	1.0	56.7	54.6	56.3	54.3	1.53	58.5	100	2.9	97.8	23.4	4710
28	96	94	1.1	63.4	61.2	63.0	60.8	1.54	59.0	101	3.3	97.7	23.4	4690
29	96	94	1.2	70.1	67.8	69.6	67.3	1.54	59.5	102	3.7	97.6	23.5	4670
30	95	94	1.3	76.8	74.3	76.2	73.8	1.55	60.0	103	4.1	97.4	23.5	4650
31	95	93	1.4	83.4	80.9	82.8	80.2	1.55	60.5	103	4.5	97.2	23.6	4630
32	94	93	1.5	90.0	87.4	89.2	86.6	1.55	60.9	103	4.9	97.0	23.6	4610
33	94	92	1.5	96.6	93.8	95.7	92.9	1.55	61.3	104	5.3	96.8	23.7	4590
34	94	92	1.6	103.2	100.2	102.2	99.3	1.55	61.7	105	5.7	96.6	23.7	4570
35	93	92	1.7	109.7	106.7	108.6	105.6	1.56	62.1	106	6.1	96.4	23.8	4550
36	93	91	1.8	116.2	113.1	115.0	111.9	1.56	62.4	107	6.4	96.2	23.8	4530
37	93	91	1.9	122.7	119.4	121.4	118.1	1.56	62.7	108	6.8	96.0	23.8	4510
38	92	91	2.0	129.2	125.8	127.7	124.4	1.56	63.0	108	7.2	95.8	24.0	4500
39	92	90	2.1	135.6	132.1	134.0	130.5	1.57	63.2	108	7.6	95.6	24.0	4480
40	92	90	2.2	142.0	138.4	140.3	136.7	1.57	63.4	108	8.0	95.4	24.1	4460
41	91	90	2.3	148.4	144.7	146.5	142.9	1.57	63.6	108	8.4	95.2	24.1	4440
42	91	89	2.4	154.8	150.9	152.7	148.9	1.57	63.8	108	8.8	95.0	24.1	4425
43	91	89	2.5	161.1	157.2	159.0	155.0	1.58	64.0	108	9.2	94.8	24.1	4405
44	90	89	2.6	167.4	163.4	165.1	161.1	1.58	64.2	108	9.6	94.6	24.2	4390
45	90	88	2.7	173.7	169.5	171.2	167.1	1.58	64.4	110	10.0	94.4	24.2	4370
46	90	88	2.8	180.0	175.7	177.3	173.1	1.58	64.6	110	10.3	94.2	24.3	4350
47	89	88	3.0	186.3	181.9	183.4	179.0	1.58	64.7	110	10.7	94.0	24.3	4335
48	89	87	3.1	192.5	188.0	189.4	184.9	1.59	64.8	110	11.1	93.8	24.3	4315
49	89	87	3.2	198.7	194.0	195.5	190.8	1.59	64.9	110	11.5	93.6	24.3	4300
50	88	87	3.3	204.9	200.1	201.4	196.7	1.59	65.0	110	11.9	93.4	24.3	4280
51	88	86	3.4	211.1	206.2	207.4	202.5	1.59	65.1	110	12.3	93.2	24.4	4260
52	88	86	3.6	217.2	212.2	213.3	208.4	1.59	65.2	110	12.6	93.0	24.4	4240
53	87	85	3.7	223.3	218.1	219.2	214.1	1.59	65.3	110	13.0	92.8	24.4	4220
54	87	85	3.8	229.4	224.1	225.0	219.8	1.59	65.4	110	13.4	92.6	24.4	4200
55	87	84	4.0	235.5	230.0	230.9	225.5	1.60	65.5	111	13.8	92.4	24.3	4190
56	86	84	4.1	241.5	235.8	236.7	231.1	1.60	65.6	111	14.1	92.2	24.3	4170
57	86	83	4.3	247.5	241.6	242.4	236.7	1.60	65.7	111	14.5	92.0	24.3	4160
58	86	83	4.4	253.5	247.5	248.2	242.2	1.60	65.8	111	14.9	91.8	24.3	4150
59	85	82	4.6	259.5	253.2	253.9	247.7	1.60	65.9	111	15.2	91.6	24.3	4140
60	85	82	4.7	265.4	258.9	259.5	253.2	1.60	66.0	111	15.6	91.4	24.3	4130

* Egg weights after 40 weeks of age assume phase feeding of protein to limit egg size.
** Percent solids in liquid egg mix of white and yolk.

Performance Table

Age in Weeks	% Hen-Day Production		Mortality Cumulative	Hen-Day Eggs Cumulative		Hen-Housed Eggs Cumulative		Body Weight	Average Egg Weight*	Feed Consumption	Hen-Housed Egg Mass Cumulative	Egg Quality		
	Optimum Conditions	Average Conditions	%	Optimum Conditions	Average Conditions	Optimum Conditions	Average Conditions	kg	g/egg	g/day per bird	kg	Haugh Units	% Solids**	Breaking Strength
61	84	81	4.9	271.3	264.6	265.1	258.6	1.60	66.1	110	15.9	91.2	24.3	4115
62	84	81	5.0	277.2	270.3	270.7	263.9	1.60	66.2	110	16.3	91.0	24.3	4100
63	83	80	5.2	283.0	275.9	276.2	269.2	1.60	66.3	110	16.6	90.8	24.3	4085
64	83	80	5.4	288.8	281.5	281.7	274.5	1.60	66.3	110	17.0	90.6	24.3	4065
65	82	79	5.5	294.6	287.0	287.1	279.8	1.60	66.4	110	17.3	90.4	24.2	4045
66	82	79	5.7	300.3	292.5	292.6	285.0	1.60	66.5	110	17.7	90.2	24.2	4020
67	81	78	5.9	306.0	298.0	297.9	290.1	1.60	66.5	109	18.0	90.0	24.2	4005
68	81	78	6.1	311.6	303.5	303.2	295.3	1.61	66.6	109	18.4	89.8	24.2	3990
69	80	77	6.2	317.2	308.8	308.5	300.3	1.61	66.7	109	18.7	89.6	24.2	3980
70	80	77	6.4	322.8	314.2	313.7	305.4	1.61	66.7	109	19.0	89.4	24.2	3970
71	79	76	6.6	328.4	319.6	318.9	310.3	1.61	66.8	109	19.4	89.2	24.2	3960
72	79	76	6.8	333.9	324.9	324.0	315.3	1.61	66.8	109	19.7	89.0	24.2	3950
73	78	75	7.0	339.4	330.1	329.1	320.2	1.61	66.8	108	20.0	88.8	24.2	3940
74	78	75	7.2	344.8	335.4	334.2	325.0	1.61	66.9	108	20.4	88.6	24.2	3930
75	77	74	7.4	350.2	340.6	339.2	329.8	1.61	66.9	108	20.7	88.4	24.2	3920
76	77	73	7.6	355.6	345.7	344.2	334.6	1.61	66.9	108	21.0	88.2	24.2	3910
77	76	73	7.8	360.9	350.8	349.1	339.3	1.61	66.9	108	21.3	88.0	24.2	3900
78	75	72	8.0	366.2	355.8	353.9	343.9	1.62	66.9	108	21.6	87.8	24.2	3890
79	74	72	8.2	371.4	360.9	358.7	348.5	1.62	67.0	107	21.9	87.6	24.1	3880
80	73	71	8.4	376.5	365.8	363.3	353.1	1.62	67.0	107	22.2	87.4	24.1	3870

* Egg weights after 40 weeks of age assume phase feeding of protein to limit egg size.
** Percent solids in liquid egg mix of white and yolk.

Performance Table—Alternative Systems

Age in	% Hen-Day Production		Mortality Cumulative	Hen-Day Eggs Cumulative		Hen-Housed Eggs Cumulative		Body Weight	Average Egg Weight*	Feed Consumption	Hen-Housed Egg Mass Cumulative	Egg Quality		
Weeks	Optimum Conditions	Average Conditions	%	Optimum Conditions	Average Conditions	Optimum Conditions	Average Conditions	kg	g/egg	g/day per bird	kg	Haugh Units	Breaking Strength	Shell Color
18	0	0	0.0	0.0	0.0	0.0	0.0	1.44	50.0	78	0.0	98.2	4620	90
19	9	1	0.1	0.6	0.1	0.6	0.1	1.49	50.6	80	0.0	98.0	4610	90
20	31	11	0.1	2.8	0.8	2.8	0.8	1.61	51.2	89	0.0	97.8	4605	89
21	71	32	0.2	7.8	3.1	7.8	3.1	1.68	53.2	93	0.2	97.2	4595	89
22	90	58	0.3	14.1	7.1	14.0	7.1	1.74	54.4	96	0.4	97.0	4590	89
23	92	72	0.3	20.5	12.2	20.5	12.2	1.78	55.5	100	0.7	96.5	4585	89
24	94	83	0.4	27.1	18.0	27.0	17.9	1.80	56.6	103	1.0	96.0	4580	89
25	94	90	0.4	33.7	24.3	33.6	24.2	1.81	57.7	104	1.4	95.5	4575	88
26	95	91	0.5	40.3	30.7	40.2	30.5	1.82	58.5	105	1.7	95.1	4570	88
27	95	92	0.6	47.0	37.1	46.8	36.9	1.83	58.7	106	2.1	94.7	4565	88
28	95	93	0.6	53.6	43.6	53.4	43.4	1.84	58.9	108	2.5	94.2	4560	88
29	95	93	0.7	60.3	50.1	60.0	49.9	1.85	59.8	108	2.9	93.7	4550	88
30	95	93	0.7	66.9	56.6	66.6	56.3	1.86	60.2	108	3.3	93.3	4540	88
31	95	92	0.8	73.6	63.1	73.2	62.7	1.86	61.2	109	3.6	92.8	4525	88
32	95	92	0.9	80.2	69.5	79.8	69.1	1.87	61.4	109	4.0	92.2	4515	88
33	95	92	0.9	86.9	76.0	86.4	75.5	1.87	61.6	110	4.4	92.0	4505	88
34	95	91	1.0	93.5	82.3	92.9	81.8	1.88	62.0	110	4.8	91.5	4490	88
35	94	91	1.1	100.1	88.7	99.4	88.1	1.88	62.2	110	5.2	91.1	4475	87
36	94	91	1.1	106.7	95.1	106.0	94.4	1.89	62.4	110	5.6	90.6	4450	87
37	94	91	1.2	113.3	101.4	112.4	100.7	1.89	62.6	110	6.0	90.4	4440	87
38	94	91	1.3	119.8	107.8	118.9	107.0	1.90	62.8	110	6.4	90.0	4425	87
39	94	91	1.4	126.4	114.2	125.4	113.2	1.90	63.0	110	6.8	89.6	4415	87
40	93	90	1.5	132.9	120.5	131.8	119.4	1.91	63.1	110	7.2	89.3	4405	87
41	93	90	1.5	139.4	126.8	138.2	125.6	1.91	63.2	110	7.6	88.9	4390	87
42	93	90	1.6	146.0	133.1	144.6	131.8	1.91	63.3	110	8.0	88.5	4375	87
43	93	89	1.7	152.5	139.3	151.0	138.0	1.92	63.4	110	8.4	88.0	4365	87
44	92	89	1.8	158.9	145.5	157.4	144.1	1.92	63.5	110	8.7	87.8	4355	87
45	92	88	1.9	165.3	151.7	163.7	150.1	1.92	63.6	110	9.1	87.4	4340	87
46	92	88	2.0	171.8	157.9	170.0	156.2	1.93	63.7	110	9.5	87.1	4320	87
47	91	88	2.1	178.2	164.0	176.2	162.2	1.93	63.8	110	9.9	86.7	4310	87
48	91	87	2.2	184.5	170.1	182.5	168.1	1.93	63.9	110	10.3	86.4	4305	87
49	91	87	2.3	190.9	176.2	188.7	174.1	1.94	64.0	110	10.7	86.1	4295	86
50	90	86	2.4	197.2	182.2	194.8	180.0	1.94	64.1	110	11.0	85.6	4280	86
51	90	86	2.5	203.5	188.2	201.0	185.8	1.94	64.2	110	11.4	85.0	4265	86
52	90	86	2.6	209.8	194.3	207.1	191.7	1.95	64.3	110	11.8	85.0	4250	86
53	89	85	2.7	216.0	200.2	213.2	197.5	1.95	64.4	110	12.2	84.8	4240	86
54	89	85	2.8	222.3	206.2	219.2	203.3	1.95	64.5	110	12.5	84.6	4225	86
55	88	84	2.9	228.4	212.0	225.2	209.0	1.96	64.6	110	12.9	84.3	4210	86
56	88	84	3.0	234.6	217.9	231.2	214.7	1.96	64.7	110	13.3	84.0	4190	85
57	88	84	3.1	240.7	223.8	237.1	220.4	1.96	64.8	110	13.6	83.8	4180	85
58	87	83	3.3	246.8	229.6	243.0	226.0	1.97	64.9	110	14.0	83.1	4170	85
59	87	83	3.4	252.9	235.4	248.9	231.6	1.97	65.0	110	14.4	82.8	4160	85
60	86	82	3.5	258.9	241.2	254.7	237.1	1.97	65.1	110	14.7	82.6	4150	85

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

Performance Table—Alternative Systems

Age in	% Hen-Day Production		Mortality Cumulative	Hen-Day Eggs Cumulative		Hen-Housed Eggs Cumulative		Body Weight	Average Egg Weight*	Feed Consumption	Hen-Housed Egg Mass Cumulative	Egg Quality		
Weeks	Optimum Conditions	Average Conditions	%	Optimum Conditions	Average Conditions	Optimum Conditions	Average Conditions	kg	g/egg	g/day per bird	kg	Haugh Units	Breaking Strength	Shell Color
61	86	82	3.6	265.0	246.9	260.5	242.7	1.98	65.2	110	15.1	82.4	4140	84
62	85	82	3.7	270.9	252.6	266.2	248.2	1.98	65.3	110	15.4	82.2	4130	84
63	85	81	3.9	276.9	258.3	272.0	253.6	1.98	65.4	110	15.8	82.0	4120	84
64	84	81	4.0	282.7	264.0	277.6	259.1	1.98	65.5	110	16.2	81.9	4110	83
65	83	80	4.1	288.5	269.6	283.2	264.4	1.98	65.6	110	16.5	81.8	4095	83
66	83	80	4.2	294.4	275.2	288.7	269.8	1.98	65.7	109	16.9	81.6	4080	83
67	82	80	4.3	300.1	280.8	294.2	275.2	1.98	65.8	109	17.2	81.5	4070	82
68	82	79	4.5	305.8	286.3	299.7	280.4	1.98	65.9	109	17.6	81.5	4060	82
69	81	79	4.6	311.5	291.8	305.1	285.7	1.98	66.0	109	17.9	81.3	4050	82
70	80	78	4.7	317.1	297.3	310.4	290.9	1.98	66.1	109	18.3	81.1	4040	81
71	80	78	4.8	322.7	302.8	315.8	296.1	1.98	66.2	109	18.6	81.1	4030	81
72	79	77	5.0	328.2	308.1	321.0	301.2	1.98	66.3	109	18.9	81.0	4020	81
73	79	77	5.1	333.8	313.5	326.3	306.3	1.98	66.4	109	19.3	80.9	4010	80
74	78	76	5.2	339.2	318.9	331.4	311.4	1.98	66.5	109	19.6	80.8	4000	80
75	77	76	5.4	344.6	324.2	336.5	316.4	1.98	66.6	109	20.0	80.7	3995	80
76	77	75	5.5	350.0	329.4	341.6	321.4	1.98	66.7	109	20.3	80.5	3990	80
77	76	74	5.7	355.3	334.6	346.7	326.3	1.98	66.8	109	20.6	80.4	3985	80
78	75	74	5.8	360.6	339.8	351.6	331.1	1.98	66.9	109	20.9	80.2	3980	80
79	75	73	6.0	365.8	344.9	356.5	335.9	1.98	67.0	109	21.3	80.1	3975	80
80	74	73	6.1	371.0	350.0	361.4	340.7	1.98	67.0	109	21.6	80.0	3970	80

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

Performance Table

Age in Weeks	% Hen-Day Production	% Mortality Cumulative	Hen-Day Eggs Cumulative	Hen-Housed Eggs Cumulative	Body Weight kg	Average Egg Weight* g/egg	Feed Consumption g/day per bird	Hen-Housed Egg Mass Cumulative kg	Egg Quality	
									Haugh Units	Breaking Strength
18	-	0.0	-	-	1.26	-	79	-	-	-
19	10	0.1	0.7	0.7	1.32	42.0	84	0.03	90.0	4390
20	35	0.2	3.2	3.1	1.38	43.0	88	0.1	90.0	4375
21	55	0.3	7.0	7.0	1.43	45.0	92	0.3	90.0	4360
22	79	0.4	12.5	12.5	1.47	47.0	96	0.6	90.0	4345
23	87	0.5	18.6	18.6	1.51	50.0	100	0.9	90.0	4330
24	91	0.6	25.0	24.9	1.55	52.0	103	1.2	90.0	4315
25	93	0.7	31.5	31.3	1.59	54.0	105	1.5	89.0	4300
26	94	0.8	38.1	37.9	1.62	56.0	107	1.9	89.0	4285
27	95	0.9	44.7	44.5	1.63	57.0	109	2.3	89.0	4270
28	95	1.0	51.4	51.0	1.67	58.0	111	2.7	88.0	4255
29	95	1.2	58.0	57.6	1.69	58.0	112	3.1	88.0	4240
30	95	1.3	64.7	64.2	1.70	59.0	113	3.4	88.0	4225
31	95	1.5	71.3	70.7	1.71	59.0	113	3.8	88.0	4210
32	96	1.6	78.1	77.4	1.72	59.0	113	4.2	87.0	4195
33	96	1.8	84.8	84.0	1.72	60.0	113	4.6	87.0	4180
34	96	1.9	91.5	90.5	1.72	60.0	113	5.0	87.0	4165
35	95	2.1	98.1	97.1	1.72	60.0	114	5.4	86.0	4150
36	95	2.2	104.8	103.6	1.72	61.0	114	5.8	86.0	4135
37	95	2.4	111.4	110.1	1.72	61.0	114	6.2	86.0	4120
38	95	2.5	118.1	116.5	1.72	61.0	114	6.6	85.0	4105
39	95	2.7	124.7	123.0	1.72	61.0	114	7.0	85.0	4085
40	95	2.8	131.4	129.5	1.72	62.0	114	7.4	85.0	4065
41	95	3.0	138.0	135.9	1.72	62.0	114	7.8	85.0	4045
42	95	3.1	144.7	142.4	1.72	62.0	114	8.2	84.0	4025
43	95	3.3	151.3	148.8	1.72	62.0	114	8.6	84.0	4005
44	95	3.4	158.0	155.2	1.72	62.0	114	9.0	84.0	3985
45	95	3.6	164.6	161.6	1.72	62.0	114	9.4	84.0	3965
46	94	3.7	171.2	168.0	1.73	62.0	114	9.8	83.0	3945
47	94	3.9	177.8	174.3	1.73	62.0	114	10.2	83.0	3925
48	94	4.0	184.4	180.6	1.73	62.0	114	10.6	83.0	3905
49	94	4.2	191.0	186.9	1.73	62.0	114	10.9	83.0	3890
50	94	4.3	197.5	193.2	1.73	62.0	114	11.3	83.0	3875
51	94	4.5	204.1	199.5	1.73	62.0	115	11.7	82.0	3865
52	93	4.6	210.6	205.7	1.73	63.0	115	12.1	82.0	3855
53	93	4.8	217.1	211.9	1.73	63.0	115	12.5	82.0	3850
54	93	4.9	223.7	218.1	1.73	63.0	115	12.9	82.0	3845
55	92	5.1	230.1	224.2	1.73	63.0	115	13.3	82.0	3840
56	92	5.2	236.5	230.3	1.73	63.0	115	13.7	81.0	3835
57	91	5.4	242.9	236.4	1.73	63.0	115	14.0	81.0	3830
58	91	5.5	249.3	242.4	1.73	63.0	115	14.4	81.0	3825
59	90	5.7	255.6	248.3	1.73	63.0	115	14.8	81.0	3820
60	90	5.8	261.9	254.3	1.74	63.0	115	15.2	81.0	3815

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

Hy-Line International

Hy-Line CV-24 Standard Commercial Layers

Performance Table

Age in Weeks	% Hen-Day Production	% Mortality Cumulative	Hen-Day Eggs Cumulative	Hen-Housed Eggs Cumulative	Body Weight kg	Average Egg Weight* g/egg	Feed Consumption g/day per bird	Hen-Housed Egg Mass Cumulative kg	Egg Quality	
									Haugh Units	Breaking Strength
61	90	6.0	268.2	260.2	1.74	63.0	115	15.5	80.0	3810
62	89	6.2	274.4	266.0	1.74	63.0	115	15.9	80.0	3805
63	89	6.3	280.6	271.9	1.74	64.0	115	16.3	80.0	3800
64	88	6.5	286.8	277.6	1.74	64.0	115	16.7	80.0	3795
65	88	6.7	293.0	283.4	1.74	64.0	116	17.0	80.0	3790
66	87	6.8	299.0	289.1	1.74	64.0	116	17.4	79.0	3785
67	87	7.0	305.1	294.7	1.74	64.0	116	17.8	79.0	3780
68	86	7.2	311.2	300.3	1.74	64.0	116	18.1	79.0	3775
69	86	7.4	317.2	305.9	1.74	64.0	116	18.5	79.0	3770
70	85	7.5	323.1	311.4	1.75	64.0	115	18.8	79.0	3765
71	85	7.7	329.1	316.9	1.75	64.0	115	19.2	78.0	3760
72	84	7.9	335.0	322.3	1.75	64.0	115	19.5	78.0	3755
73	84	8.1	340.8	327.7	1.75	64.0	115	19.9	78.0	3750
74	83	8.3	346.6	333.0	1.75	65.0	115	20.2	78.0	3745
75	82	8.5	352.4	338.3	1.75	65.0	114	20.5	78.0	3740
76	81	8.7	358.1	343.4	1.75	65.0	114	20.9	77.0	3735
77	80	8.9	363.7	348.5	1.75	65.0	114	21.2	77.0	3730
78	79	9.1	369.2	353.6	1.75	65.0	114	21.5	77.0	3725
79	78	9.3	374.6	358.5	1.75	65.0	114	21.9	77.0	3720
80	77	9.5	380.0	363.4	1.75	65.0	114	22.2	77.0	3715

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

Hy-Line International

Hy-Line CV-24 Plus Commercial Layers

Performance Table

Age in Weeks	% Hen-Day Production	% Mortality Cumulative	Hen-Day Eggs Cumulative	Hen-Housed Eggs Cumulative	Body Weight kg	Average Egg Weight* g/egg	Feed Consumption g/day per bird	Hen-Housed Egg Mass Cumulative kg	Egg Quality	
									Haugh Units	Breaking Strength
18	-	.0	-	-	1.26	-	79	-	-	-
19	10	.1	0.7	0.7	1.32	43.0	84	0.03	90.0	4390
20	40	.2	3.5	3.5	1.38	44.0	88	0.2	90.0	4375
21	60	.3	7.7	7.7	1.43	46.0	92	0.3	90.0	4360
22	79	.4	13.2	13.2	1.47	48.0	96	0.6	90.0	4345
23	87	.5	19.3	19.2	1.51	51.0	100	0.9	90.0	4330
24	91	.6	25.7	25.6	1.55	53.0	103	1.3	90.0	4315
25	93	.7	32.2	32.0	1.59	55.0	105	1.6	89.0	4300
26	94	.8	38.8	38.6	1.62	57.0	107	2.0	89.0	4285
27	95	.9	45.4	45.2	1.63	58.0	109	2.4	89.0	4270
28	95	1.0	52.1	51.7	1.67	59.0	111	2.8	88.0	4255
29	95	1.2	58.7	58.3	1.69	59.0	112	3.1	88.0	4240
30	95	1.3	65.4	64.9	1.70	60.0	113	3.5	88.0	4225
31	95	1.5	72.0	71.4	1.71	60.0	113	3.9	88.0	4210
32	95	1.6	78.7	78.0	1.72	60.0	113	4.3	87.0	4195
33	95	1.8	85.3	84.5	1.72	61.0	113	4.7	87.0	4180
34	95	1.9	92.0	91.0	1.72	61.0	113	5.1	87.0	4165
35	95	2.1	98.6	97.6	1.72	61.0	114	5.5	86.0	4150
36	95	2.2	105.3	104.1	1.72	62.0	114	5.9	86.0	4135
37	95	2.4	111.9	110.5	1.72	62.0	114	6.3	86.0	4120
38	95	2.5	118.6	117.0	1.72	62.0	114	6.7	85.0	4105
39	94	2.7	125.2	123.4	1.72	62.0	114	7.1	85.0	4085
40	94	2.8	131.7	129.8	1.72	63.0	114	7.5	85.0	4065
41	94	3.0	138.3	136.2	1.72	63.0	114	7.9	85.0	4045
42	94	3.1	144.9	142.6	1.72	63.0	114	8.3	84.0	4025
43	94	3.3	151.5	149.0	1.72	63.0	114	8.7	84.0	4005
44	94	3.4	158.1	155.3	1.72	63.0	114	9.1	84.0	3985
45	94	3.6	164.6	161.7	1.72	64.0	114	9.5	84.0	3965
46	94	3.7	171.2	168.0	1.73	64.0	114	9.9	83.0	3945
47	93	3.9	177.7	174.3	1.73	64.0	114	10.3	83.0	3925
48	93	4.0	184.2	180.5	1.73	64.0	114	10.7	83.0	3905
49	93	4.2	190.8	186.7	1.73	64.0	114	11.1	83.0	3890
50	93	4.3	197.3	193.0	1.73	64.0	114	11.5	83.0	3875
51	93	4.5	203.8	199.2	1.73	64.0	115	11.9	82.0	3865
52	92	4.6	210.2	205.3	1.73	64.0	115	12.3	82.0	3855
53	92	4.8	216.7	211.5	1.73	64.0	115	12.7	82.0	3850
54	92	4.9	223.1	217.6	1.73	64.0	115	13.1	82.0	3845
55	91	5.1	229.5	223.7	1.73	65.0	115	13.5	82.0	3840
56	91	5.2	235.8	229.7	1.73	65.0	115	13.9	81.0	3835
57	90	5.4	242.1	235.7	1.73	65.0	115	14.3	81.0	3830
58	90	5.5	248.4	241.6	1.73	65.0	115	14.7	81.0	3825
59	89	5.7	254.7	247.5	1.73	65.0	115	15.1	81.0	3820
60	89	5.8	260.9	253.4	1.74	65.0	115	15.4	81.0	3815

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

Hy-Line International

Hy-Line CV-24 Plus Commercial Layers

Performance Table

Age in Weeks	% Hen-Day Production	% Mortality Cumulative	Hen-Day Eggs Cumulative	Hen-Housed Eggs Cumulative	Body Weight kg	Average Egg Weight* g/egg	Feed Consumption g/day per bird	Hen-Housed Egg Mass Cumulative kg	Egg Quality	
									Haugh Units	Breaking Strength
61	88	6.0	267.1	259.1	1.74	65.0	115	15.8	80.0	3810
62	88	6.2	273.2	264.9	1.74	65.0	115	16.2	80.0	3805
63	87	6.3	279.3	270.6	1.74	65.0	115	16.6	80.0	3800
64	87	6.5	285.4	276.3	1.74	65.0	115	16.9	80.0	3795
65	86	6.7	291.4	281.9	1.74	66.0	116	17.3	80.0	3790
66	86	6.8	297.4	287.5	1.74	66.0	116	17.7	79.0	3785
67	85	7.0	303.4	293.1	1.74	66.0	116	18.0	79.0	3780
68	84	7.2	309.3	298.5	1.74	66.0	116	18.4	79.0	3775
69	83	7.4	315.1	303.9	1.74	66.0	116	18.8	79.0	3770
70	82	7.5	320.8	309.2	1.75	66.0	115	19.1	79.0	3765
71	81	7.7	326.5	314.5	1.75	66.0	115	19.4	78.0	3760
72	80	7.9	332.1	319.6	1.75	66.0	115	19.8	78.0	3755
73	79	8.1	337.6	324.7	1.75	66.0	115	20.1	78.0	3750
74	78	8.3	343.1	329.7	1.75	66.0	115	20.5	78.0	3745
75	77	8.5	348.5	334.6	1.75	67.0	114	20.8	78.0	3740
76	76	8.7	353.8	339.5	1.75	67.0	114	21.1	77.0	3735
77	75	8.9	359.0	344.3	1.75	67.0	114	21.4	77.0	3730
78	74	9.1	364.2	349.0	1.75	67.0	114	21.7	77.0	3725
79	73	9.3	369.3	353.6	1.75	67.0	114	22.1	77.0	3720
80	72	9.5	374.4	358.2	1.75	67.0	114	22.4	77.0	3715

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

Hy-Line International

Hy-Line Silver Brown Commercial Layers

Performance Table

Age in Weeks	% Hen-Day Production	% Mortality Cumulative	Hen-Day Eggs Cumulative	Hen-Housed Eggs Cumulative	Body Weight kg	Average Egg Weight* g/egg	Feed Consumption g/day per bird	Hen-Housed Egg Mass Cumulative kg	Egg Quality		
									Haugh Units	Breaking Strength	Shell Color
18	4	0.1	0.3	0.3	1.61	45.3	83	0.01	98.0	4680	91
19	28	0.1	2.2	2.2	1.70	46.5	87	0.10	97.7	4670	92
20	69	0.2	7.1	7.1	1.76	47.8	90	0.3	97.4	4660	93
21	87	0.3	13.2	13.1	1.78	50.8	93	0.6	97.1	4650	93
22	93	0.3	19.7	19.6	1.80	52.6	96	1.0	96.8	4640	92
23	94	0.4	26.3	26.2	1.82	53.6	98	1.3	96.5	4630	92
24	95	0.5	32.9	32.8	1.84	55.0	101	1.7	96.2	4620	91
25	96	0.6	39.6	39.5	1.86	56.0	103	2.1	95.9	4610	91
26	96	0.6	46.3	46.2	1.88	56.8	106	2.5	95.6	4600	90
27	96	0.7	53.1	52.8	1.90	57.5	107	2.8	95.3	4590	90
28	96	0.8	59.8	59.5	1.91	58.1	108	3.2	95.0	4580	90
29	96	0.9	66.5	66.2	1.92	58.6	108	3.6	94.7	4570	89
30	96	1.0	73.2	72.8	1.93	59.2	108	4.0	94.4	4560	89
31	95	1.0	79.9	79.4	1.94	59.7	109	4.4	94.1	4550	89
32	95	1.1	86.5	86.0	1.95	60.2	109	4.8	93.8	4540	89
33	95	1.2	93.2	92.5	1.96	60.6	109	5.2	93.5	4530	89
34	95	1.3	99.8	99.1	1.97	60.8	109	5.6	93.2	4520	89
35	94	1.4	106.4	105.6	1.98	60.9	110	6.0	92.9	4510	88
36	94	1.5	113.0	112.1	1.99	61.0	110	6.4	92.6	4500	88
37	94	1.5	119.6	118.6	2.00	61.1	110	6.8	92.3	4490	88
38	94	1.6	126.1	125.0	2.01	61.1	110	7.2	92.0	4480	88
39	93	1.7	132.7	131.4	2.01	61.2	110	7.6	91.7	4470	88
40	93	1.8	139.2	137.8	2.02	61.2	110	8.0	91.4	4460	88
41	93	1.9	145.7	144.2	2.02	61.3	110	8.4	91.1	4450	88
42	92	2.0	152.1	150.5	2.02	61.3	110	8.7	90.8	4440	88
43	92	2.1	158.6	156.8	2.02	61.4	110	9.1	90.5	4430	88
44	92	2.2	165.0	163.1	2.03	61.4	110	9.5	90.2	4420	87
45	92	2.3	171.4	169.4	2.03	61.5	110	9.9	89.9	4410	87
46	92	2.4	177.9	175.7	2.03	61.5	110	10.3	89.6	4400	87
47	92	2.4	184.3	182.0	2.03	61.6	110	10.7	89.3	4390	87
48	92	2.5	190.8	188.3	2.04	61.6	110	11.1	89.0	4380	87
49	91	2.6	197.1	194.5	2.04	61.7	110	11.4	88.7	4370	87
50	91	2.7	203.5	200.7	2.04	61.7	110	11.8	88.4	4360	86
51	91	2.8	209.9	206.9	2.04	61.8	111	12.2	88.1	4350	86
52	91	2.9	216.2	213.0	2.05	61.8	111	12.6	87.8	4340	86
53	91	3.0	222.6	219.2	2.05	61.8	111	13.0	87.5	4330	86
54	90	3.1	228.9	225.3	2.05	61.9	111	13.3	87.2	4320	86
55	90	3.2	235.2	231.4	2.05	61.9	111	13.7	86.9	4310	86
56	90	3.3	241.5	237.5	2.06	62.0	111	14.1	86.6	4300	85
57	90	3.4	247.8	243.6	2.06	62.0	111	14.5	86.3	4290	85
58	89	3.5	254.0	249.6	2.06	62.1	111	14.9	86.0	4280	85
59	89	3.6	260.3	255.6	2.06	62.1	111	15.2	85.7	4270	85
60	88	3.7	266.4	261.5	2.06	62.1	111	15.6	85.4	4260	84

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

Performance Table

Age in Weeks	% Hen-Day Production	% Mortality Cumulative	Hen-Day Eggs Cumulative	Hen-Housed Eggs Cumulative	Body Weight kg	Average Egg Weight* g/egg	Feed Consumption g/day per bird	Hen-Housed Egg Mass Cumulative kg	Egg Quality		
									Haugh Units	Breaking Strength	Shell Color
61	88	3.8	272.6	267.5	2.06	62.2	111	16.0	85.1	4250	84
62	87	3.9	278.7	273.3	2.06	62.2	111	16.3	84.8	4240	84
63	87	4.1	284.8	279.2	2.06	62.2	111	16.7	84.5	4230	84
64	86	4.2	290.8	284.9	2.06	62.2	111	17.1	84.2	4220	83
65	86	4.3	296.8	290.7	2.06	62.2	111	17.4	83.9	4210	83
66	85	4.4	302.8	296.4	2.06	62.3	111	17.8	83.6	4200	83
67	85	4.5	308.7	302.1	2.06	62.3	111	18.1	83.3	4190	83
68	84	4.6	314.6	307.7	2.06	62.4	111	18.5	83.0	4180	82
69	84	4.7	320.5	313.3	2.06	62.4	111	18.8	82.7	4170	82
70	83	4.9	326.3	318.8	2.06	62.5	111	19.2	82.4	4160	82
71	83	5.0	332.1	324.3	2.06	62.5	110	19.5	82.1	4150	82
72	82	5.1	337.8	329.8	2.06	62.6	110	19.8	81.8	4140	81
73	82	5.2	343.6	335.2	2.06	62.6	110	20.2	81.5	4130	81
74	81	5.3	349.2	340.6	2.06	62.7	110	20.5	81.2	4120	81
75	81	5.5	354.9	345.9	2.06	62.7	110	20.9	80.9	4110	81
76	80	5.6	360.5	351.2	2.06	62.8	110	21.2	80.6	4100	80
77	80	5.7	366.1	356.5	2.06	62.8	110	21.5	80.3	4090	80
78	79	5.8	371.6	361.7	2.06	62.9	110	21.9	80.0	4080	80
79	79	5.9	377.2	366.9	2.06	62.9	110	22.2	79.7	4070	80
80	78	6.1	382.6	372.1	2.06	63.0	110	22.5	79.4	4060	80

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

Performance Table

Age in Weeks	% Hen-Day	% Mortality Cumulative	Hen-Day Eggs Cumulative	Hen-Housed Eggs Cumulative	Body Weight kg	Average Egg Weight* g/egg	Feed Consumption g/day per bird	Egg Mass Cumulative kg	Egg Quality		
									Haugh Units	Breaking Strength	Shell Color
19	6	0.1	0.4	0.4	1.51	43.0	81	0.0	100.6	4440	49
20	20	0.1	1.8	1.8	1.61	46.0	85	0.1	100.1	4440	50
21	46	0.1	5.0	5.0	1.69	49.0	90	0.2	99.7	4450	50
22	69	0.2	9.8	9.8	1.73	51.0	95	0.5	99.2	4450	50
23	83	0.2	15.7	15.6	1.75	54.0	98	0.8	98.8	4460	49
24	89	0.3	21.9	21.9	1.76	55.0	100	1.1	98.4	4460	49
25	92	0.3	28.4	28.3	1.78	56.0	102	1.5	98.0	4450	49
26	93	0.4	34.9	34.8	1.79	57.0	104	1.9	97.6	4440	49
27	94	0.4	41.5	41.3	1.80	58.0	106	2.3	97.2	4430	49
28	94	0.5	48.1	47.9	1.82	59.0	107	2.6	96.8	4420	48
29	94	0.5	54.6	54.5	1.83	60.0	108	3.0	96.4	4410	48
30	94	0.6	61.2	61.0	1.84	60.0	108	3.4	96.0	4400	48
31	94	0.6	67.8	67.5	1.85	61.0	109	3.8	95.6	4390	48
32	94	0.7	74.4	74.1	1.86	61.0	109	4.2	95.2	4380	48
33	94	0.7	80.9	80.6	1.87	61.0	109	4.6	94.8	4370	48
34	94	0.8	87.5	87.1	1.87	62.0	109	5.0	94.5	4360	47
35	93	0.8	94.0	93.5	1.88	62.0	110	5.4	94.1	4350	47
36	93	0.9	100.5	100.0	1.88	62.0	110	5.9	93.7	4340	47
37	93	0.9	107.0	106.4	1.88	63.0	110	6.3	93.3	4330	47
38	93	1.0	113.5	112.9	1.89	63.0	110	6.7	93.0	4320	46
39	92	1.0	120.0	119.2	1.89	63.0	110	7.1	92.6	4310	46
40	92	1.1	126.4	125.6	1.89	63.0	110	7.5	92.2	4300	46
41	92	1.2	132.8	132.0	1.89	63.0	110	7.9	91.8	4290	46
42	91	1.2	139.2	138.3	1.89	64.0	110	8.3	91.5	4280	46
43	91	1.3	145.5	144.5	1.89	64.0	110	8.7	91.1	4270	45
44	90	1.3	151.8	150.8	1.90	64.0	110	9.1	90.7	4260	45
45	89	1.4	158.1	156.9	1.90	64.0	110	9.5	90.4	4250	45
46	89	1.4	164.3	163.1	1.90	64.0	110	9.9	90.0	4240	45
47	88	1.5	170.5	169.2	1.90	64.0	110	10.3	89.7	4230	45
48	88	1.6	176.7	175.2	1.90	64.0	110	10.7	89.4	4220	44
49	88	1.6	182.8	181.3	1.90	64.0	110	11.1	89.0	4210	44
50	87	1.7	188.9	187.2	1.90	64.0	110	11.5	88.7	4200	44
51	86	1.8	195.0	193.2	1.90	65.0	110	11.9	88.4	4190	44
52	86	1.9	201.0	199.1	1.90	65.0	110	12.3	88.1	4180	44
53	85	1.9	206.9	204.9	1.90	65.0	110	12.7	87.8	4170	43
54	85	2.0	212.9	210.8	1.91	65.0	110	13.0	87.4	4160	43
55	84	2.1	218.8	216.5	1.91	65.0	110	13.4	87.1	4150	43
56	84	2.1	224.6	222.2	1.91	65.0	110	13.8	86.9	4140	43
57	83	2.2	230.4	227.9	1.91	65.0	110	14.2	86.5	4130	43
58	83	2.3	236.2	233.6	1.91	65.0	110	14.6	86.3	4120	42
59	82	2.3	241.9	239.2	1.91	65.0	110	14.9	86.0	4110	42
60	82	2.4	247.6	244.7	1.91	65.0	110	15.3	85.7	4100	42

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

Performance Table

Age in Weeks	% Hen-Day	% Mortality Cumulative	Hen-Day Eggs Cumulative	Hen-Housed Eggs Cumulative	Body Weight kg	Average Egg Weight* g/egg	Feed Consumption g/day per bird	Egg Mass Cumulative kg	Egg Quality		
									Haugh Units	Breaking Strength	Shell Color
61	81	2.5	253.3	250.3	1.91	65.0	110	15.7	85.4	4090	42
62	81	2.6	258.9	255.7	1.91	65.0	110	16.0	85.2	4080	42
63	80	2.7	264.5	261.2	1.91	65.0	110	16.4	84.9	4070	41
64	79	2.7	270.1	266.6	1.91	65.0	110	16.8	84.7	4060	41
65	79	2.8	275.6	272.0	1.91	65.0	110	17.1	84.4	4050	41
66	78	2.9	281.1	277.3	1.91	66.0	110	17.5	84.1	4040	41
67	78	3.0	286.5	282.5	1.92	66.0	110	17.8	83.8	4030	41
68	77	3.1	291.9	287.8	1.92	66.0	110	18.2	83.5	4020	40
69	76	3.2	297.2	292.9	1.92	66.0	110	18.5	83.3	4010	40
70	76	3.3	302.6	298.1	1.92	66.0	110	18.9	83.0	4000	40
71	75	3.4	307.8	303.2	1.92	66.0	110	19.2	82.8	3990	40
72	75	3.5	313.0	308.2	1.92	66.0	110	19.6	82.6	3980	40
73	74	3.6	318.2	313.2	1.92	67.0	110	19.9	82.4	3970	40
74	73	3.8	323.4	318.1	1.92	67.0	110	20.3	82.1	3960	39
75	73	3.9	328.5	323.0	1.92	67.0	110	20.6	81.9	3950	39
76	72	4.0	333.5	327.9	1.92	67.0	110	21.0	81.7	3940	39
77	72	4.1	338.5	332.7	1.92	67.0	110	21.3	81.4	3930	39
78	71	4.2	343.5	337.4	1.92	67.0	110	21.6	81.2	3920	39
79	70	4.4	348.4	342.2	1.92	67.0	110	22.0	81.0	3910	38
80	70	4.5	353.3	346.8	1.92	67.0	110	22.3	80.8	3900	38

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

Performance Standards

AGE (weeks)	% HEN-DAY Current	HEN-DAY EGGS Cumulative	HEN-HOUSED EGGS Cumulative	FEMALE % MORTALITY Cumulative	MALE % MORTALITY Cumulative	FEED CONSUMPTION (g / day / bird)
18	–	–	–	0.1	0.2	81 – 85
19	8 – 9	0.5 – 0.6	0.5 – 0.6	0.3	0.5	86 – 90
20	25 – 27	2.3 – 2.5	2.3 – 2.5	0.4	0.7	92 – 96
21	49 – 52	5.7 – 6.1	5.7 – 6.1	0.5	1.0	103 – 107
22	73 – 77	10.9 – 11.5	10.8 – 11.5	0.6	1.3	106 – 110
23	85 – 91	16.8 – 17.9	16.7 – 17.8	0.7	1.7	108 – 112
24	91 – 95	23.2 – 24.5	23.0 – 24.4	0.8	2.0	110 – 114
25	92 – 97	29.6 – 31.3	29.4 – 31.1	0.9	2.4	112 – 116
26	92 – 97	36.1 – 38.1	35.8 – 37.8	1.0	2.7	112 – 116
27	92 – 97	42.5 – 44.8	42.2 – 44.5	1.1	3.0	113 – 117
28	92 – 97	48.9 – 51.6	48.5 – 51.2	1.2	3.3	113 – 117
29	92 – 97	55.4 – 58.4	54.9 – 57.9	1.3	3.6	113 – 117
30	92 – 97	61.8 – 65.2	61.2 – 64.6	1.5	3.8	113 – 117
31	91 – 96	68.2 – 71.9	67.5 – 71.2	1.6	4.1	113 – 117
32	91 – 96	74.6 – 78.6	73.7 – 77.7	1.7	4.3	113 – 117
33	91 – 96	80.9 – 85.3	80.0 – 84.3	1.9	4.6	113 – 117
34	91 – 96	87.3 – 92.0	86.2 – 90.9	2.0	4.8	113 – 117
35	91 – 96	93.7 – 98.7	92.5 – 97.5	2.2	5.0	112 – 116
36	90 – 95	100.0 – 105.3	98.6 – 103.9	2.4	5.2	112 – 116
37	90 – 95	106.3 – 112.0	104.8 – 110.4	2.5	5.4	112 – 116
38	90 – 95	112.6 – 118.6	110.9 – 116.8	2.7	5.6	112 – 116
39	89 – 94	118.8 – 125.2	116.9 – 123.2	2.9	5.8	112 – 116
40	89 – 94	125.0 – 131.7	123.0 – 129.6	3.1	6.0	111 – 115
41	89 – 94	131.3 – 138.3	129.0 – 135.9	3.3	6.2	111 – 115
42	88 – 93	137.4 – 144.8	135.0 – 142.2	3.5	6.4	111 – 115
43	88 – 93	143.6 – 151.3	140.9 – 148.4	3.7	6.5	111 – 115
44	87 – 92	149.7 – 157.7	146.7 – 154.6	3.9	6.7	111 – 115
45	87 – 92	155.8 – 164.1	152.6 – 160.8	4.1	6.9	111 – 115
46	86 – 91	161.8 – 170.4	158.4 – 166.8	4.3	7.1	111 – 115
47	85 – 90	167.7 – 176.7	164.0 – 172.8	4.5	7.3	111 – 115
48	84 – 89	173.6 – 182.9	169.6 – 178.8	4.7	7.5	111 – 115
49	84 – 89	179.5 – 189.1	175.2 – 184.6	4.9	7.6	110 – 114
50	83 – 88	185.3 – 195.2	180.7 – 190.5	5.1	7.8	110 – 114
51	82 – 87	191.0 – 201.3	186.2 – 196.2	5.4	8.0	110 – 114
52	82 – 87	196.8 – 207.4	191.6 – 201.9	5.6	8.2	110 – 114
53	82 – 85	202.5 – 213.3	197.0 – 207.6	5.8	8.4	110 – 114
54	81 – 84	208.2 – 219.3	202.3 – 213.1	6.1	8.5	110 – 114
55	81 – 84	213.9 – 225.2	207.6 – 218.6	6.3	8.7	110 – 114
56	80 – 83	219.5 – 231.0	212.9 – 224.1	6.5	8.9	110 – 114
57	79 – 82	225.0 – 236.8	218.0 – 229.5	6.8	9.0	110 – 114
58	79 – 82	230.5 – 242.5	223.2 – 234.8	7.0	9.2	110 – 114
59	78 – 81	236.0 – 248.2	228.2 – 240.1	7.2	9.4	110 – 114
60	78 – 81	241.4 – 253.9	233.3 – 245.4	7.4	9.5	110 – 114
61	77 – 80	246.8 – 259.6	238.3 – 250.6	7.6	9.7	109 – 113
62	76 – 79	252.1 – 265.1	243.2 – 255.7	7.8	9.8	109 – 113
63	75 – 78	257.4 – 270.6	248.0 – 260.8	8.0	10.0	109 – 113
64	74 – 77	262.6 – 276.0	252.8 – 265.7	8.2	10.1	109 – 113
65	73 – 76	267.7 – 281.3	257.5 – 270.6	8.4	10.3	109 – 113
66	72 – 75	272.7 – 286.6	262.1 – 275.4	8.6	10.4	109 – 113
67	71 – 74	277.7 – 291.8	266.6 – 280.2	8.8	10.5	109 – 113
68	70 – 73	282.6 – 296.9	271.1 – 284.8	9.0	10.6	109 – 113
69	69 – 72	287.4 – 302.0	275.5 – 289.4	9.2	10.7	109 – 113
70	68 – 71	292.2 – 306.9	279.8 – 293.9	9.4	10.8	109 – 113
71	67 – 70	296.9 – 311.8	284.0 – 298.4	9.6	10.9	109 – 113
72	66 – 69	301.5 – 316.7	288.2 – 302.7	9.8	11.0	109 – 113
73	65 – 68	306.0 – 321.4	292.3 – 307.0	10.0	11.1	109 – 113
74	64 – 67	310.5 – 326.1	296.3 – 311.2	10.2	11.2	109 – 113
75	63 – 66	314.9 – 330.7	300.3 – 315.3	10.4	11.3	109 – 113

Performance Standards *(continued)*

AGE (weeks)	FEMALE BODY WEIGHT (kg)	MALE BODY WEIGHT (kg)	AVERAGE EGG WEIGHT (g/egg)	% SETTABLE	SETTABLE HEN-HOUSED EGGS Cumulative	% HATCH	NUMBER FEMALE CHICKS	
							Current	Cumulative
18	1.45 – 1.53	2.13 – 2.26	–	–	–	–	–	–
19	1.50 – 1.60	2.16 – 2.30	–	–	–	–	–	–
20	1.57 – 1.67	2.21 – 2.35	–	–	–	–	–	–
21	1.65 – 1.75	2.28 – 2.42	48.9	–	–	–	–	–
22	1.67 – 1.77	2.33 – 2.47	51.1	50	2.6	70	0.9	0.9
23	1.70 – 1.80	2.36 – 2.50	53.2	60	6.3	75	1.4	2.3
24	1.74 – 1.84	2.41 – 2.55	54.9	70	10.8	79	1.8	4.1
25	1.75 – 1.85	2.43 – 2.58	56.2	80	16.0	80	2.1	6.1
26	1.76 – 1.86	2.43 – 2.59	57.2	90	21.8	81	2.4	8.5
27	1.76 – 1.86	2.44 – 2.60	58.1	94	28.0	82	2.5	11.0
28	1.77 – 1.87	2.45 – 2.61	58.7	96	34.2	82	2.6	13.6
29	1.78 – 1.88	2.47 – 2.63	59.3	96	40.4	83	2.6	16.2
30	1.78 – 1.88	2.50 – 2.66	59.5	96	46.7	83	2.6	18.8
31	1.79 – 1.91	2.51 – 2.67	59.9	97	52.9	84	2.6	21.4
32	1.79 – 1.91	2.52 – 2.68	60.2	97	59.1	84	2.6	24.0
33	1.80 – 1.92	2.53 – 2.69	60.6	97	65.3	84	2.6	26.6
34	1.80 – 1.92	2.54 – 2.70	60.7	97	71.5	84	2.6	29.2
35	1.81 – 1.93	2.55 – 2.71	60.8	97	77.6	84	2.6	31.8
36	1.81 – 1.93	2.56 – 2.72	61.1	97	83.7	84	2.6	34.3
37	1.81 – 1.93	2.57 – 2.73	61.2	97	89.8	84	2.6	36.9
38	1.81 – 1.93	2.58 – 2.74	61.5	97	95.9	84	2.6	39.4
39	1.82 – 1.94	2.59 – 2.75	61.7	97	101.9	84	2.5	42.0
40	1.82 – 1.94	2.60 – 2.76	61.9	97	107.9	84	2.5	44.5
41	1.82 – 1.94	2.61 – 2.77	62.1	97	113.9	84	2.5	47.0
42	1.82 – 1.94	2.62 – 2.78	62.2	97	119.8	84	2.5	49.5
43	1.82 – 1.94	2.63 – 2.79	62.3	97	125.7	83	2.4	51.9
44	1.83 – 1.95	2.64 – 2.80	62.4	96	131.4	83	2.4	54.3
45	1.83 – 1.95	2.64 – 2.80	62.6	96	137.1	83	2.4	56.7
46	1.83 – 1.95	2.65 – 2.81	62.6	96	142.8	83	2.3	59.0
47	1.83 – 1.95	2.65 – 2.81	62.8	96	148.4	82	2.3	61.3
48	1.83 – 1.95	2.66 – 2.82	62.9	96	153.9	82	2.3	63.6
49	1.83 – 1.95	2.66 – 2.82	63.0	96	159.4	81	2.2	65.8
50	1.83 – 1.95	2.67 – 2.83	63.1	96	164.8	81	2.2	68.0
51	1.83 – 1.95	2.67 – 2.83	63.2	96	170.2	80	2.1	70.1
52	1.83 – 1.95	2.68 – 2.84	63.3	95	175.4	80	2.1	72.2
53	1.83 – 1.95	2.68 – 2.84	63.4	95	180.6	80	2.1	74.3
54	1.83 – 1.95	2.69 – 2.85	63.5	95	185.8	80	2.0	76.4
55	1.83 – 1.95	2.69 – 2.85	63.5	95	190.9	79	2.0	78.4
56	1.83 – 1.95	2.70 – 2.86	63.5	95	195.9	78	2.0	80.4
57	1.83 – 1.95	2.71 – 2.87	63.5	94	200.8	78	1.9	82.3
58	1.83 – 1.95	2.72 – 2.88	63.6	94	205.7	77	1.9	84.2
59	1.84 – 1.96	2.73 – 2.89	63.6	94	210.5	76	1.8	86.0
60	1.84 – 1.96	2.74 – 2.90	63.6	93	215.3	75	1.8	87.8
61	1.84 – 1.96	2.75 – 2.91	63.7	93	220.0	74	1.7	89.5
62	1.84 – 1.96	2.75 – 2.93	63.7	93	224.6	73	1.7	91.2
63	1.84 – 1.96	2.76 – 2.94	63.7	93	229.2	73	1.7	92.9
64	1.84 – 1.96	2.77 – 2.95	63.7	92	233.6	73	1.6	94.5
65	1.84 – 1.96	2.78 – 2.96	63.8	92	238.0	72	1.6	96.0
66	1.83 – 1.95	2.78 – 2.96	63.8	91	242.2	72	1.5	97.6
67	1.83 – 1.95	2.79 – 2.97	63.8	91	246.4	71	1.5	99.1
68	1.83 – 1.95	2.79 – 2.97	63.8	90	250.5	71	1.4	100.5
69	1.83 – 1.95	2.80 – 2.98	63.9	90	254.5	71	1.4	101.9
70	1.83 – 1.95	2.80 – 2.98	63.9	90	258.4	70	1.4	103.3
71	1.83 – 1.95	2.81 – 2.99	63.9	90	262.3	70	1.4	104.7
72	1.83 – 1.95	2.81 – 2.99	63.9	90	266.1	70	1.3	106.0
73	1.83 – 1.95	2.82 – 3.00	64.0	89	269.8	70	1.3	107.3
74	1.83 – 1.95	2.82 – 3.00	64.0	89	273.4	70	1.3	108.6
75	1.83 – 1.95	2.82 – 3.00	64.0	88	277.0	70	1.2	109.8

Performance Table

AGE (weeks)	% HEN-DAY Current	HEN-DAY EGGS Current	HEN-DAY EGGS Cumulative	HEN-HOUSED EGGS Current	HEN-HOUSED EGGS Cumulative	FEMALE % MORTALITY Cumulative	MALE % MORTALITY Cumulative	FEED CONSUMPTION (g / day / bird)
18	9 – 11	0.7 – 0.8	0.7 – 0.8	0.7 – 0.8	0.7 – 0.8	0.0 – 0.0	0.0 – 0.0	76 – 80
19	26 – 32	1.8 – 2.2	2.5 – 3.0	1.8 – 2.2	2.5 – 3.0	0.1 – 0.1	0.2 – 0.2	82 – 86
20	52 – 61	3.6 – 4.3	6.1 – 7.3	3.6 – 4.3	6.1 – 7.3	0.2 – 0.2	0.5 – 0.5	84 – 88
21	74 – 79	5.2 – 5.5	11.3 – 12.8	5.2 – 5.5	11.3 – 12.8	0.3 – 0.3	0.7 – 0.7	84 – 88
22	86 – 88	6.0 – 6.2	17.3 – 19.0	6.0 – 6.1	17.2 – 18.9	0.3 – 0.3	0.9 – 0.9	88 – 92
23	90 – 91	6.3 – 6.4	23.6 – 25.3	6.3 – 6.3	23.6 – 25.3	0.4 – 0.4	1.1 – 1.1	89 – 93
24	92 – 93	6.4 – 6.5	30.1 – 31.9	6.4 – 6.5	30.0 – 31.7	0.5 – 0.5	1.2 – 1.2	93 – 97
25	93 – 94	6.5 – 6.6	36.6 – 38.4	6.5 – 6.5	36.4 – 38.3	0.5 – 0.5	1.4 – 1.4	93 – 97
26	93 – 94	6.5 – 6.6	43.1 – 45.0	6.5 – 6.5	42.9 – 44.8	0.6 – 0.6	1.6 – 1.6	93 – 97
27	93 – 94	6.5 – 6.6	49.6 – 51.6	6.5 – 6.5	49.4 – 51.4	0.7 – 0.7	1.8 – 1.8	93 – 97
28	93 – 94	6.5 – 6.6	56.1 – 58.2	6.5 – 6.5	55.8 – 57.9	0.8 – 0.8	1.9 – 1.9	98 – 102
29	93 – 94	6.5 – 6.6	62.6 – 64.8	6.5 – 6.5	62.3 – 64.4	0.8 – 0.8	2.1 – 2.1	98 – 102
30	93 – 94	6.5 – 6.6	69.2 – 71.3	6.5 – 6.5	68.8 – 70.9	0.9 – 0.9	2.2 – 2.2	98 – 102
31	93 – 94	6.5 – 6.6	75.7 – 77.9	6.5 – 6.5	75.2 – 77.5	1.0 – 1.0	2.4 – 2.4	98 – 102
32	93 – 94	6.5 – 6.6	82.2 – 84.5	6.4 – 6.5	81.7 – 84.0	1.0 – 1.0	2.6 – 2.6	98 – 102
33	93 – 94	6.5 – 6.6	88.7 – 91.1	6.4 – 6.5	88.1 – 90.5	1.1 – 1.1	2.7 – 2.7	97 – 103
34	92 – 93	6.5 – 6.5	95.1 – 97.6	6.4 – 6.4	94.5 – 96.9	1.2 – 1.2	2.9 – 2.9	98 – 104
35	92 – 93	6.4 – 6.5	101.6 – 104.1	6.3 – 6.4	100.8 – 103.3	1.3 – 1.3	3.0 – 3.0	98 – 104
36	91 – 92	6.4 – 6.4	108.0 – 110.5	6.3 – 6.4	107.1 – 109.7	1.3 – 1.4	3.0 – 3.1	98 – 104
37	91 – 92	6.4 – 6.4	114.3 – 117.0	6.3 – 6.3	113.4 – 116.0	1.4 – 1.5	3.1 – 3.3	98 – 104
38	91 – 92	6.3 – 6.4	120.7 – 123.4	6.3 – 6.3	119.7 – 122.4	1.4 – 1.5	3.3 – 3.4	98 – 104
39	90 – 91	6.3 – 6.4	127.0 – 129.8	6.2 – 6.3	125.9 – 128.7	1.5 – 1.6	3.5 – 3.6	98 – 104
40	90 – 91	6.3 – 6.4	133.3 – 136.2	6.2 – 6.3	132.1 – 134.9	1.6 – 1.7	3.6 – 3.7	98 – 104
41	89 – 90	6.2 – 6.3	139.5 – 142.5	6.1 – 6.2	138.2 – 141.1	1.7 – 1.8	3.7 – 3.8	98 – 104
42	89 – 90	6.2 – 6.3	145.7 – 148.8	6.1 – 6.2	144.3 – 147.3	1.8 – 1.9	3.8 – 3.9	99 – 105
43	88 – 90	6.2 – 6.3	151.9 – 155.1	6.1 – 6.2	150.3 – 153.5	1.9 – 2.0	4.0 – 4.1	99 – 105
44	88 – 89	6.1 – 6.2	158.1 – 161.3	6.0 – 6.1	156.3 – 159.6	2.0 – 2.1	4.1 – 4.2	99 – 105
45	87 – 88	6.1 – 6.2	164.2 – 167.4	6.0 – 6.0	162.3 – 165.6	2.1 – 2.2	4.2 – 4.3	99 – 105
46	87 – 88	6.1 – 6.2	170.3 – 173.6	6.0 – 6.0	168.3 – 171.7	2.2 – 2.3	4.3 – 4.4	99 – 105
47	87 – 88	6.1 – 6.2	176.3 – 179.8	5.9 – 6.0	174.2 – 177.7	2.2 – 2.4	4.4 – 4.5	99 – 105
48	86 – 87	6.0 – 6.1	182.4 – 185.9	5.9 – 6.0	180.1 – 183.6	2.2 – 2.4	4.4 – 4.6	99 – 105
49	86 – 87	6.0 – 6.1	188.4 – 191.9	5.8 – 5.9	185.9 – 189.6	2.3 – 2.5	4.5 – 4.7	99 – 105
50	85 – 87	6.0 – 6.1	194.3 – 198.0	5.8 – 5.9	191.8 – 195.5	2.4 – 2.6	4.6 – 4.8	99 – 105
51	85 – 86	5.9 – 6.0	200.3 – 204.1	5.8 – 5.9	197.5 – 201.4	2.5 – 2.7	4.7 – 4.9	100 – 106
52	84 – 85	5.9 – 6.0	206.2 – 210.0	5.7 – 5.8	203.3 – 207.2	2.6 – 2.8	4.8 – 5.0	100 – 106
53	84 – 85	5.9 – 6.0	212.1 – 216.0	5.7 – 5.8	209.0 – 213.0	2.7 – 2.9	4.9 – 5.1	100 – 106
54	84 – 85	5.9 – 6.0	217.9 – 221.9	5.7 – 5.8	214.7 – 218.8	2.8 – 3.0	5.0 – 5.2	100 – 106
55	83 – 84	5.8 – 5.9	223.8 – 227.8	5.7 – 5.7	220.3 – 224.5	2.9 – 3.1	5.1 – 5.3	100 – 106
56	83 – 84	5.8 – 5.9	229.6 – 233.7	5.6 – 5.7	226.0 – 230.2	3.0 – 3.2	5.2 – 5.4	100 – 106
57	82 – 83	5.8 – 5.8	235.3 – 239.5	5.6 – 5.6	231.5 – 235.8	3.1 – 3.3	5.3 – 5.5	100 – 106
58	82 – 83	5.7 – 5.8	241.1 – 245.3	5.6 – 5.6	237.1 – 241.4	3.2 – 3.4	5.4 – 5.6	100 – 106
59	82 – 83	5.7 – 5.8	246.8 – 251.1	5.5 – 5.6	242.6 – 247.1	3.3 – 3.5	5.5 – 5.7	101 – 107
60	81 – 82	5.7 – 5.7	252.5 – 256.8	5.5 – 5.5	248.1 – 252.6	3.4 – 3.6	5.6 – 5.8	101 – 107
61	81 – 82	5.7 – 5.7	258.2 – 262.6	5.5 – 5.5	253.6 – 258.1	3.5 – 3.7	5.7 – 5.9	101 – 107
62	81 – 82	5.7 – 5.7	263.9 – 268.3	5.4 – 5.5	259.0 – 263.7	3.6 – 3.8	5.8 – 6.0	101 – 107
63	81 – 82	5.6 – 5.7	269.5 – 274.1	5.4 – 5.5	264.4 – 269.2	3.7 – 3.9	5.8 – 6.0	102 – 108
64	80 – 81	5.6 – 5.7	275.1 – 279.7	5.4 – 5.5	269.8 – 274.7	3.8 – 4.0	5.9 – 6.1	102 – 108
65	80 – 81	5.6 – 5.7	280.7 – 285.4	5.3 – 5.4	275.2 – 280.1	3.9 – 4.1	6.0 – 6.2	102 – 108
66	79 – 80	5.5 – 5.6	286.2 – 291.0	5.3 – 5.4	280.5 – 285.5	4.0 – 4.2	6.1 – 6.3	103 – 109
67	78 – 80	5.5 – 5.6	291.7 – 296.6	5.3 – 5.4	285.7 – 290.8	4.1 – 4.3	6.2 – 6.4	103 – 109
68	78 – 79	5.4 – 5.5	297.1 – 302.1	5.2 – 5.3	290.9 – 296.1	4.2 – 4.4	6.3 – 6.5	103 – 109
69	77 – 79	5.4 – 5.5	302.6 – 307.7	5.2 – 5.3	296.1 – 301.4	4.3 – 4.5	6.4 – 6.6	103 – 109
70	77 – 78	5.4 – 5.5	308.0 – 313.1	5.1 – 5.2	301.2 – 306.7	4.4 – 4.6	6.5 – 6.7	104 – 110
71	77 – 78	5.4 – 5.5	313.3 – 318.6	5.1 – 5.2	306.3 – 311.9	4.6 – 4.8	6.6 – 6.8	104 – 110
72	76 – 77	5.3 – 5.4	318.6 – 324.0	5.1 – 5.1	311.4 – 317.0	4.8 – 5.0	6.7 – 6.9	104 – 110
73	76 – 77	5.3 – 5.4	324.0 – 329.4	5.0 – 5.1	316.4 – 322.1	5.0 – 5.2	6.8 – 7.0	104 – 110
74	75 – 76	5.3 – 5.3	329.2 – 334.7	5.0 – 5.0	321.4 – 327.2	5.2 – 5.4	6.9 – 7.1	104 – 110
75	75 – 76	5.3 – 5.3	334.5 – 340.0	5.0 – 5.0	326.4 – 332.2	5.4 – 5.6	7.0 – 7.2	104 – 110

Performance Table *(continued)*

AGE (weeks)	FEMALE BODY WEIGHT (kg)	MALE BODY WEIGHT (kg)	AVERAGE EGG WEIGHT (g/egg)	% SETTABLE	SETTABLE HEN-HOUSED EGGS		% HATCH	NUMBER FEMALE CHICKS	
					Current	Cumulative		Current	Cumulative
18	1.18 – 1.22	1.54 – 1.58	41.9	–	–	–	–	–	–
19	1.21 – 1.25	1.58 – 1.62	44.8	–	–	–	–	–	–
20	1.25 – 1.29	1.61 – 1.65	48.1	–	–	–	–	–	–
21	1.28 – 1.32	1.64 – 1.68	50.4	–	–	–	–	–	–
22	1.33 – 1.37	1.67 – 1.71	52.6	68	4.1 – 4.2	4.1 – 4.2	74	1.5 – 1.5	1.5 – 1.5
23	1.38 – 1.42	1.70 – 1.74	54.2	75	4.7 – 4.8	8.8 – 8.9	82	1.9 – 1.9	3.4 – 3.5
24	1.40 – 1.44	1.73 – 1.77	55.3	83	5.3 – 5.4	14.1 – 14.3	85	2.3 – 2.3	5.7 – 5.8
25	1.42 – 1.46	1.75 – 1.79	56.1	94	6.0 – 6.1	20.2 – 20.4	86	2.6 – 2.6	8.3 – 8.4
26	1.43 – 1.47	1.78 – 1.82	56.7	96	6.2 – 6.3	26.4 – 26.7	86	2.7 – 2.7	11.0 – 11.1
27	1.44 – 1.48	1.80 – 1.84	57.3	96	6.2 – 6.3	32.6 – 33.0	87	2.7 – 2.7	13.7 – 13.9
28	1.45 – 1.49	1.82 – 1.86	58.0	97	6.3 – 6.4	38.9 – 39.4	87	2.8 – 2.8	16.4 – 16.6
29	1.46 – 1.50	1.84 – 1.88	58.4	97	6.3 – 6.4	45.3 – 45.8	88	2.8 – 2.8	19.2 – 19.4
30	1.47 – 1.51	1.86 – 1.90	58.7	98	6.3 – 6.4	51.6 – 52.2	88	2.8 – 2.8	22.0 – 22.2
31	1.47 – 1.51	1.87 – 1.91	59.0	98	6.3 – 6.4	57.9 – 58.6	88	2.8 – 2.8	24.8 – 25.0
32	1.48 – 1.52	1.89 – 1.93	59.4	98	6.3 – 6.4	64.3 – 65.0	88	2.8 – 2.8	27.6 – 27.9
33	1.49 – 1.53	1.90 – 1.94	59.5	98	6.3 – 6.4	70.6 – 71.4	88	2.8 – 2.8	30.3 – 30.7
34	1.49 – 1.53	1.92 – 1.96	59.6	98	6.3 – 6.3	76.9 – 77.7	88	2.8 – 2.8	33.1 – 33.5
35	1.50 – 1.54	1.93 – 1.97	59.9	98	6.3 – 6.3	83.1 – 84.0	88	2.8 – 2.8	35.9 – 36.3
36	1.50 – 1.54	1.93 – 1.97	60.0	98	6.2 – 6.3	89.3 – 90.3	88	2.7 – 2.8	38.6 – 39.0
37	1.50 – 1.54	1.94 – 1.98	60.2	98	6.2 – 6.3	95.5 – 96.5	88	2.7 – 2.8	41.4 – 41.8
38	1.51 – 1.55	1.94 – 1.98	60.5	98	6.2 – 6.3	101.7 – 102.8	88	2.7 – 2.8	44.1 – 44.6
39	1.51 – 1.55	1.95 – 1.99	60.6	98	6.1 – 6.2	107.8 – 109.0	88	2.7 – 2.7	46.8 – 47.3
40	1.51 – 1.55	1.95 – 1.99	60.8	98	6.1 – 6.2	113.9 – 115.1	88	2.7 – 2.7	49.5 – 50.0
41	1.51 – 1.55	1.95 – 1.99	61.0	98	6.0 – 6.1	119.9 – 121.2	88	2.7 – 2.7	52.1 – 52.7
42	1.52 – 1.56	1.96 – 2.00	61.1	98	6.0 – 6.1	125.9 – 127.3	88	2.6 – 2.7	54.7 – 55.3
43	1.52 – 1.56	1.96 – 2.00	61.1	98	6.0 – 6.1	131.9 – 133.4	88	2.6 – 2.7	57.3 – 58.0
44	1.52 – 1.56	1.96 – 2.00	61.3	98	5.9 – 6.0	137.8 – 139.4	87	2.6 – 2.6	59.9 – 60.6
45	1.53 – 1.57	1.96 – 2.00	61.5	98	5.9 – 5.9	143.7 – 145.4	87	2.6 – 2.6	62.5 – 63.2
46	1.53 – 1.57	1.97 – 2.01	61.7	98	5.9 – 5.9	149.5 – 151.3	87	2.6 – 2.6	65.0 – 65.8
47	1.53 – 1.57	1.97 – 2.01	61.8	98	5.8 – 5.9	155.3 – 157.2	87	2.5 – 2.6	67.6 – 68.4
48	1.53 – 1.57	1.97 – 2.01	61.9	98	5.8 – 5.8	161.1 – 163.0	87	2.5 – 2.5	70.1 – 70.9
49	1.53 – 1.57	1.97 – 2.01	62.1	98	5.7 – 5.8	166.9 – 168.9	87	2.5 – 2.5	72.6 – 73.4
50	1.54 – 1.58	1.97 – 2.01	62.3	98	5.7 – 5.8	172.6 – 174.7	86	2.5 – 2.5	75.0 – 75.9
51	1.54 – 1.58	1.97 – 2.01	62.4	98	5.7 – 5.7	178.2 – 180.4	86	2.4 – 2.5	77.5 – 78.4
52	1.54 – 1.58	1.98 – 2.02	62.4	98	5.6 – 5.7	183.8 – 186.1	86	2.4 – 2.4	79.9 – 80.8
53	1.54 – 1.58	1.98 – 2.02	62.5	98	5.6 – 5.7	189.4 – 191.8	85	2.4 – 2.4	82.2 – 83.3
54	1.55 – 1.59	1.98 – 2.02	62.5	98	5.6 – 5.7	195.0 – 197.4	85	2.4 – 2.4	84.6 – 85.7
55	1.55 – 1.59	1.98 – 2.02	62.5	98	5.5 – 5.6	200.5 – 203.0	84	2.3 – 2.3	86.9 – 88.0
56	1.55 – 1.59	1.98 – 2.02	62.5	98	5.5 – 5.6	206.0 – 208.6	83	2.3 – 2.3	89.2 – 90.3
57	1.55 – 1.59	1.98 – 2.02	62.7	98	5.4 – 5.5	211.4 – 214.1	82	2.2 – 2.3	91.4 – 92.6
58	1.56 – 1.60	1.98 – 2.02	62.8	98	5.4 – 5.5	216.9 – 219.6	82	2.2 – 2.2	93.7 – 94.8
59	1.56 – 1.60	1.99 – 2.03	62.9	97	5.4 – 5.5	222.3 – 225.0	82	2.2 – 2.2	95.9 – 97.1
60	1.56 – 1.60	1.99 – 2.03	63.0	97	5.3 – 5.4	227.6 – 230.4	81	2.2 – 2.2	98.0 – 99.2
61	1.56 – 1.60	1.99 – 2.03	63.1	97	5.3 – 5.4	232.9 – 235.8	81	2.1 – 2.2	100.2 – 101.4
62	1.56 – 1.60	1.99 – 2.03	63.2	97	5.3 – 5.4	238.2 – 241.2	80	2.1 – 2.1	102.3 – 103.5
63	1.56 – 1.60	1.99 – 2.03	63.2	97	5.2 – 5.4	243.4 – 246.5	79	2.1 – 2.1	104.3 – 105.7
64	1.57 – 1.61	2.00 – 2.04	63.2	97	5.2 – 5.3	248.6 – 251.8	79	2.0 – 2.1	106.4 – 107.7
65	1.57 – 1.61	2.00 – 2.04	63.3	96	5.1 – 5.3	253.8 – 257.1	78	2.0 – 2.1	108.4 – 109.8
66	1.57 – 1.61	2.00 – 2.04	63.5	96	5.1 – 5.2	258.9 – 262.2	78	2.0 – 2.0	110.4 – 111.8
67	1.57 – 1.61	2.00 – 2.04	63.4	96	5.0 – 5.1	263.9 – 267.4	77	1.9 – 2.0	112.3 – 113.8
68	1.57 – 1.61	2.00 – 2.04	63.4	96	5.0 – 5.1	268.9 – 272.4	77	1.9 – 1.9	114.2 – 115.7
69	1.57 – 1.61	2.01 – 2.05	63.4	96	4.9 – 5.1	273.8 – 277.5	76	1.9 – 1.9	116.1 – 117.6
70	1.58 – 1.62	2.01 – 2.05	63.4	95	4.9 – 5.0	278.7 – 282.5	76	1.9 – 1.9	118.0 – 119.5
71	1.58 – 1.62	2.01 – 2.05	63.4	95	4.9 – 5.0	283.6 – 287.4	76	1.8 – 1.9	119.8 – 121.4
72	1.58 – 1.62	2.01 – 2.05	63.4	95	4.8 – 4.9	288.4 – 292.3	75	1.8 – 1.8	121.6 – 123.2
73	1.58 – 1.62	2.01 – 2.05	63.4	95	4.8 – 4.8	293.2 – 297.2	75	1.8 – 1.8	123.4 – 125.1
74	1.58 – 1.62	2.01 – 2.05	63.4	95	4.7 – 4.8	297.9 – 301.9	74	1.8 – 1.8	125.2 – 126.8
75	1.58 – 1.62	2.02 – 2.06	63.4	95	4.7 – 4.8	302.6 – 306.7	74	1.7 – 1.8	126.9 – 128.6

Performance Table

Age in Weeks	% Hen-Day Current	Female % Mortality Cumulative	Male % Mortality Cumulative	Number Hen-Day Eggs Current	Number Hen-Day Eggs Cumulative	Number Hen-Housed Eggs Current	Number Hen-Housed Eggs Cumulative	Female Body Weight kg	Male Body Weight kg	Average Egg Weight* g/egg	% Settable	Number Settable Hen-Housed Eggs Current	Number Settable Hen-Housed Eggs Cumulative	% Hatch	Number Female Chicks Current	Number Female Chicks Cumulative
19	25	0.1	0.3	1.8	1.8	1.7	1.7	1.30	1.86	44.1	–	–	–	–	–	–
20	58	0.3	0.6	4.1	5.8	4.0	5.8	1.35	1.89	46.6	–	–	–	–	–	–
21	72	0.4	0.9	5.0	10.9	5.0	10.8	1.39	1.92	50.8	–	–	–	–	–	–
22	85	0.5	1.2	6.0	16.8	5.9	16.7	1.41	1.94	52.9	–	–	–	–	–	–
23	90	0.7	1.5	6.3	23.1	6.3	23.0	1.45	1.96	54.0	66	3.9	3.9	86	1.7	1.7
24	92	0.8	1.8	6.4	29.5	6.4	29.4	1.49	1.98	54.5	84	5.3	9.2	87	2.3	4.0
25	92	0.9	2.0	6.4	36.0	6.4	35.8	1.53	1.99	55.8	90	5.8	14.9	88	2.5	6.5
26	92	1.0	2.3	6.4	42.4	6.4	42.1	1.54	2.00	56.4	92	5.9	20.8	89	2.6	9.1
27	92	1.1	2.6	6.4	48.9	6.4	48.5	1.55	2.01	56.6	94	6.0	26.8	90	2.7	11.8
28	91	1.2	2.8	6.4	55.2	6.3	54.8	1.55	2.02	57.5	96	6.1	32.9	90	2.8	14.6
29	91	1.3	3.1	6.4	61.6	6.3	61.1	1.56	2.03	58.2	97	6.1	39.0	90	2.8	17.4
30	91	1.4	3.3	6.4	68.0	6.3	67.4	1.57	2.04	58.5	98	6.2	45.2	90	2.8	20.1
31	91	1.5	3.6	6.4	74.3	6.3	73.6	1.57	2.05	58.7	98	6.2	51.3	90	2.8	22.9
32	91	1.7	3.8	6.4	80.7	6.3	79.9	1.58	2.06	58.8	98	6.1	57.5	90	2.8	25.7
33	91	1.8	4.1	6.4	87.1	6.3	86.2	1.58	2.07	59.3	98	6.1	63.6	90	2.8	28.4
34	91	1.9	4.3	6.4	93.5	6.3	92.4	1.58	2.08	59.7	97	6.1	69.7	90	2.7	31.2
35	91	2.0	4.5	6.4	99.8	6.2	98.7	1.58	2.09	59.8	97	6.1	75.7	90	2.7	33.9
36	90	2.1	4.7	6.3	106.1	6.2	104.8	1.59	2.10	60.2	97	6.1	81.8	90	2.7	36.6
37	90	2.2	5.0	6.3	112.4	6.2	111.0	1.59	2.11	60.5	97	6.0	87.8	89	2.7	39.3
38	89	2.3	5.2	6.2	118.7	6.1	117.1	1.59	2.12	60.6	97	6.0	93.8	89	2.7	41.9
39	89	2.4	5.4	6.2	124.9	6.1	123.2	1.59	2.13	61.0	97	5.9	99.7	89	2.6	44.6
40	89	2.5	5.6	6.2	131.1	6.1	129.2	1.59	2.14	61.4	96	5.8	105.5	88	2.6	47.1
41	88	2.6	5.8	6.2	137.3	6.0	135.2	1.59	2.15	61.6	96	5.8	111.3	88	2.6	49.7
42	88	2.7	6.0	6.2	143.4	6.0	141.2	1.59	2.16	61.8	96	5.8	117.1	87	2.5	52.2
43	88	2.8	6.2	6.2	149.6	6.0	147.2	1.60	2.17	62.1	96	5.8	122.8	87	2.5	54.7
44	87	3.0	6.4	6.1	155.7	5.9	153.1	1.60	2.18	62.3	95	5.7	128.5	87	2.5	57.2
45	87	3.1	6.6	6.1	161.8	5.9	159.0	1.60	2.19	62.4	95	5.6	134.1	87	2.4	59.6
46	86	3.2	6.7	6.0	167.8	5.8	164.8	1.60	2.20	62.5	95	5.6	139.7	86	2.4	62.0
47	86	3.4	6.9	6.0	173.8	5.8	170.7	1.60	2.21	63.0	95	5.5	145.3	86	2.4	64.4
48	85	3.5	7.1	6.0	179.8	5.7	176.4	1.60	2.22	63.1	95	5.5	150.8	85	2.3	66.8
49	85	3.7	7.3	6.0	185.7	5.7	182.1	1.60	2.23	63.3	95	5.5	156.3	85	2.3	69.1
50	84	3.8	7.5	5.9	191.6	5.7	187.8	1.60	2.24	63.4	95	5.4	161.7	84	2.3	71.4
51	83	4.0	7.7	5.8	197.4	5.6	193.4	1.60	2.25	63.4	95	5.4	167.1	84	2.3	73.6
52	82	4.2	7.9	5.7	203.1	5.5	198.9	1.60	2.26	63.5	95	5.3	172.4	83	2.2	75.8
53	81	4.4	8.1	5.7	208.8	5.4	204.3	1.60	2.27	63.6	94	5.2	177.5	83	2.1	78.0
54	80	4.5	8.3	5.6	214.4	5.3	209.6	1.60	2.28	63.7	94	5.1	182.6	82	2.1	80.1
55	80	4.7	8.4	5.6	220.0	5.3	215.0	1.61	2.29	64.0	94	5.0	187.7	82	2.1	82.1
56	79	4.9	8.6	5.5	225.5	5.3	220.2	1.61	2.30	64.1	94	5.0	192.7	81	2.0	84.1
57	79	5.1	8.8	5.5	231.1	5.2	225.5	1.61	2.31	64.2	94	4.9	197.6	81	2.0	86.2
58	78	5.3	9.0	5.5	236.5	5.2	230.7	1.61	2.32	64.3	94	4.9	202.6	80	2.0	88.1
59	78	5.5	9.2	5.5	242.0	5.2	235.8	1.61	2.33	64.4	94	4.9	207.4	79	1.9	90.0
60	77	5.7	9.3	5.4	247.4	5.1	240.9	1.61	2.34	64.5	94	4.9	212.3	78	1.9	91.9
61	77	5.9	9.5	5.4	252.8	5.1	246.0	1.61	2.35	64.6	94	4.8	217.1	77	1.8	93.8
62	76	6.1	9.7	5.3	258.1	5.0	251.0	1.61	2.36	64.7	94	4.8	221.8	76	1.8	95.6
63	76	6.3	9.9	5.3	263.4	5.0	256.0	1.61	2.37	64.8	93	4.6	226.5	75	1.7	97.3
64	75	6.5	10.1	5.3	268.7	4.9	260.9	1.61	2.38	64.9	93	4.6	231.1	74	1.7	99.0
65	75	6.7	10.2	5.3	273.9	4.9	265.8	1.61	2.39	65.0	93	4.6	235.7	73	1.7	100.7
66	74	6.9	10.4	5.2	279.1	4.8	270.6	1.62	2.40	65.0	92	4.5	240.2	73	1.6	102.4
67	74	7.1	10.6	5.2	284.3	4.8	275.4	1.62	2.41	65.0	92	4.4	244.6	72	1.6	104.0
68	74	7.3	10.8	5.2	289.5	4.8	280.2	1.62	2.42	65.0	92	4.4	249.0	72	1.6	105.6
69	73	7.6	10.9	5.1	294.6	4.7	284.9	1.62	2.43	65.1	92	4.4	253.5	72	1.6	107.1
70	73	7.8	11.1	5.1	299.7	4.7	289.6	1.62	2.44	65.1	92	4.3	257.8	71	1.5	108.7
71	73	8.0	11.3	5.1	304.8	4.7	294.3	1.63	2.45	65.1	92	4.3	262.1	71	1.5	110.2
72	72	8.2	11.4	5.0	309.8	4.6	299.0	1.63	2.46	65.2	92	4.3	266.5	71	1.5	111.8
73	72	8.5	11.6	5.0	314.9	4.6	303.6	1.63	2.47	65.2	92	4.3	270.7	70	1.5	113.2
74	72	8.7	11.8	5.0	319.9	4.6	308.2	1.63	2.48	65.2	92	4.2	275.0	70	1.5	114.7
75	72	8.9	11.9	5.0	324.9	4.6	312.8	1.63	2.49	65.2	92	4.2	279.2	70	1.5	116.2

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

Performance Table

Age in Weeks	% Hen-Day	Female % Mortality	Male % Mortality	Hen-Day Eggs		Hen-Housed Eggs		Female Body Weight	Male Body Weight	% Settable	Settable Hen-Housed Eggs		% Hatch	Number Female Chicks	
	Current	Cumulative	Cumulative	Current	Cumulative	Current	Cumulative	kg	kg		Current	Cumulative		Current	Cumulative
19	-	0.1	0.3	0.0	0.0	0.0	0.0	1.27	1.65	-	-	-	-	-	-
20	-	0.3	0.6	0.0	0.0	0.0	0.0	1.32	1.72	-	-	-	-	-	-
21	30	0.4	0.9	2.1	2.1	2.1	2.1	1.37	1.79	-	-	-	-	-	-
22	55	0.5	1.2	3.9	6.0	3.8	5.9	1.42	1.86	-	-	-	-	-	-
23	73	0.7	1.5	5.1	11.1	5.1	11.0	1.46	1.92	60	2.3	2.3	75	0.9	0.9
24	83	0.8	1.8	5.8	16.9	5.8	16.8	1.50	1.97	70	3.6	5.9	77	1.4	2.2
25	88	0.9	2.0	6.2	23.0	6.1	22.9	1.54	2.02	80	4.6	10.5	79	1.8	4.1
26	90	1.0	2.3	6.3	29.3	6.2	29.1	1.57	2.07	85	5.2	15.7	81	2.1	6.2
27	92	1.1	2.6	6.4	35.8	6.4	35.5	1.59	2.11	90	5.6	21.3	83	2.3	8.5
28	92	1.2	2.8	6.4	42.2	6.4	41.8	1.61	2.14	93	5.9	27.2	84	2.5	11.0
29	92	1.2	3.1	6.4	48.7	6.4	48.2	1.63	2.17	94	6.0	33.2	85	2.5	13.5
30	92	1.3	3.3	6.4	55.1	6.4	54.6	1.64	2.20	95	6.0	39.2	86	2.6	16.1
31	92	1.4	3.6	6.4	61.5	6.3	60.9	1.65	2.22	96	6.1	45.3	87	2.7	18.8
32	92	1.5	3.8	6.4	68.0	6.3	67.3	1.65	2.23	96	6.1	51.4	87	2.7	21.4
33	92	1.6	4.1	6.4	74.4	6.3	73.6	1.66	2.23	96	6.1	57.5	88	2.7	24.1
34	92	1.7	4.3	6.4	80.9	6.3	79.9	1.66	2.23	96	6.1	63.6	88	2.7	26.8
35	92	1.8	4.5	6.4	87.3	6.3	86.2	1.66	2.24	96	6.1	69.7	87	2.6	29.4
36	92	1.9	4.7	6.4	93.7	6.3	92.6	1.66	2.24	96	6.1	75.7	87	2.6	32.1
37	92	2.2	5.0	6.4	100.2	6.3	98.9	1.66	2.24	96	6.1	81.8	87	2.6	34.7
38	92	2.3	5.2	6.4	106.6	6.3	105.2	1.67	2.25	96	6.0	87.8	86	2.6	37.3
39	92	2.4	5.4	6.4	113.1	6.3	111.4	1.67	2.25	96	6.0	93.9	86	2.6	39.9
40	92	2.6	5.6	6.4	119.5	6.3	117.7	1.67	2.25	96	6.0	99.9	86	2.6	42.5
41	92	2.7	5.8	6.4	125.9	6.3	124.0	1.67	2.26	96	6.0	105.9	86	2.6	45.1
42	92	2.9	6.0	6.4	132.4	6.3	130.2	1.68	2.26	96	6.0	112.0	85	2.6	47.6
43	92	2.9	6.2	6.4	138.8	6.3	136.5	1.68	2.26	95	5.9	117.9	85	2.5	50.2
44	92	3.2	6.4	6.4	145.3	6.2	142.7	1.68	2.26	95	5.9	123.8	85	2.5	52.7
45	91	3.3	6.6	6.4	151.6	6.2	148.9	1.68	2.27	95	5.9	129.8	84	2.5	55.2
46	91	3.5	6.7	6.4	158.0	6.1	155.0	1.68	2.27	95	5.9	135.6	84	2.5	57.6
47	91	3.7	6.9	6.4	164.4	6.1	161.2	1.69	2.27	95	5.8	141.5	83	2.4	60.1
48	91	3.8	7.1	6.4	170.7	6.1	167.3	1.69	2.28	95	5.8	147.3	83	2.4	62.5
49	91	4.1	7.3	6.4	177.1	6.1	173.4	1.69	2.28	94	5.8	153.0	82	2.4	64.8
50	90	4.3	7.5	6.3	183.4	6.0	179.4	1.69	2.28	94	5.7	158.8	82	2.4	67.2
51	90	4.5	7.7	6.3	189.7	6.0	185.4	1.69	2.29	94	5.7	164.5	82	2.3	69.5
52	90	4.7	7.9	6.3	196.0	6.0	191.4	1.70	2.29	94	5.7	170.1	81	2.3	71.8
53	90	4.9	8.1	6.3	202.3	6.0	197.4	1.70	2.29	93	5.6	175.7	81	2.3	74.1
54	89	5.1	8.3	6.2	208.5	5.9	203.4	1.70	2.29	93	5.6	181.3	81	2.3	76.3
55	89	5.4	8.4	6.2	214.8	5.9	209.2	1.70	2.29	93	5.5	186.8	80	2.2	78.5
56	88	5.5	8.6	6.2	220.9	5.8	215.1	1.70	2.30	92	5.4	192.2	80	2.2	80.7
57	88	5.8	8.8	6.2	227.1	5.8	220.9	1.71	2.30	92	5.4	197.5	80	2.1	82.8
58	88	6.0	9.0	6.2	233.2	5.8	226.7	1.71	2.30	92	5.3	202.9	79	2.1	84.9
59	87	6.4	9.2	6.1	239.3	5.7	232.4	1.71	2.30	92	5.3	208.2	79	2.1	87.0
60	87	6.5	9.3	6.1	245.4	5.7	238.1	1.71	2.30	92	5.2	213.5	78	2.0	89.1
61	86	6.8	9.5	6.0	251.4	5.6	243.7	1.71	2.31	92	5.2	218.7	78	2.0	91.1
62	85	7.0	9.7	6.0	257.4	5.5	249.2	1.71	2.31	92	5.2	223.9	77	2.0	93.1
63	85	7.4	9.9	6.0	263.3	5.5	254.7	1.72	2.31	92	5.1	228.9	77	2.0	95.1
64	84	7.6	10.1	5.9	269.2	5.4	260.2	1.72	2.31	91	5.0	234.0	76	1.9	97.0
65	83	7.7	10.2	5.8	275.0	5.4	265.5	1.72	2.31	91	4.9	238.9	76	1.9	98.9
66	82	8.1	10.4	5.7	280.8	5.3	270.8	1.72	2.32	90	4.8	243.7	75	1.8	100.7
67	82	8.4	10.6	5.7	286.5	5.3	276.0	1.72	2.32	90	4.7	248.5	75	1.8	102.5
68	81	8.7	10.8	5.7	292.2	5.2	281.2	1.72	2.32	89	4.7	253.2	74	1.7	104.2
69	80	8.9	11.0	5.6	297.8	5.1	286.3	1.72	2.32	89	4.6	257.8	73	1.7	105.9
70	79	9.3	11.2	5.5	303.3	5.0	291.3	1.72	2.32	88	4.5	262.3	72	1.6	107.5
71	77	9.6	11.3	5.4	308.7	4.9	296.2	1.72	2.33	88	4.4	266.7	71	1.6	109.1
72	76	10.0	11.5	5.3	314.0	4.8	301.0	1.72	2.33	87	4.2	270.9	70	1.5	110.5
73	75	10.3	11.7	5.3	319.3	4.7	305.7	1.73	2.34	87	4.2	275.1	69	1.4	112.0
74	74	10.7	11.9	5.2	324.5	4.6	310.3	1.73	2.34	87	4.1	279.2	68	1.4	113.4
75	73	11.0	12.1	5.1	329.6	4.5	314.9	1.73	2.35	86	4.0	283.2	67	1.3	114.7

Performance Table

Age in Weeks	% Hen-Day	Female % Mortality	Male % Mortality	Hen-Day Eggs		Hen-Housed Eggs		Female Body Weight	Male Body Weight	Average Egg Weight	% Settable	Settable Hen-Housed Eggs		% Hatch	Number Female Chicks	
	Current	Cumulative	Cumulative	Current	Cumulative	Current	Cumulative	kg	kg	g/egg		Current	Cumulative		Current	Cumulative
19	15	0.1	0.2	1.1	1.1	1.0	1.0	1.56	2.10	-	-	-	-	-	-	-
20	30	0.2	0.6	2.1	3.2	2.1	3.1	1.62	2.18	-	-	-	-	-	-	-
21	49	0.3	0.8	3.4	6.6	3.4	6.6	1.68	2.20	47.1	-	-	-	-	-	-
22	68	0.5	1.0	4.8	11.3	4.7	11.3	1.72	2.27	49.0	-	-	-	-	-	-
23	79	0.6	1.3	5.5	16.9	5.5	16.8	1.75	2.32	52.3	55	3.0	3.0	62	0.9	0.9
24	83	0.7	1.5	5.8	22.7	5.8	22.6	1.79	2.39	55.2	75	4.3	7.3	66	1.4	2.4
25	85	0.9	1.7	6.0	28.6	5.9	28.5	1.81	2.41	56.6	87	5.1	12.5	70	1.8	4.2
26	88	1.0	1.9	6.2	34.8	6.1	34.6	1.85	2.43	58.5	88	5.4	17.8	70	1.9	6.0
27	88	1.2	2.1	6.2	41.0	6.1	40.7	1.86	2.45	59.5	89	5.4	23.3	71	1.9	8.0
28	89	1.3	2.4	6.2	47.2	6.1	46.8	1.90	2.47	60.3	90	5.5	28.8	71	2.0	9.9
29	90	1.5	2.7	6.3	53.5	6.2	53.0	1.91	2.49	60.8	90	5.6	34.4	72	2.0	11.9
30	91	1.6	3.0	6.4	59.9	6.3	59.3	1.91	2.51	61.0	91	5.7	40.1	73	2.1	14.0
31	91	1.8	3.3	6.4	66.2	6.3	65.5	1.91	2.52	61.3	91	5.7	45.8	74	2.1	16.1
32	91	2.0	3.6	6.4	72.6	6.2	71.8	1.92	2.53	61.6	92	5.7	51.5	74	2.1	18.3
33	91	2.1	3.9	6.4	79.0	6.2	78.0	1.92	2.53	61.8	92	5.7	57.3	75	2.1	20.4
34	91	2.3	4.2	6.4	85.3	6.2	84.2	1.92	2.54	62.3	92	5.7	63.0	75	2.1	22.5
35	91	2.5	4.5	6.4	91.7	6.2	90.4	1.93	2.54	62.5	92	5.7	68.7	75	2.1	24.6
36	91	2.6	4.8	6.4	98.1	6.2	96.6	1.93	2.55	62.8	93	5.8	74.5	76	2.2	26.8
37	91	2.8	5.2	6.4	104.4	6.2	102.8	1.93	2.55	63.0	93	5.8	80.2	76	2.2	29.0
38	91	3.0	5.6	6.4	110.8	6.2	109.0	1.93	2.56	63.1	93	5.7	86.0	76	2.2	31.2
39	90	3.1	6.0	6.3	117.1	6.1	115.1	1.94	2.56	63.2	93	5.7	91.7	76	2.2	33.4
40	90	3.3	6.4	6.3	123.4	6.1	121.2	1.94	2.57	63.2	93	5.7	97.3	76	2.2	35.5
41	89	3.5	6.8	6.2	129.6	6.0	127.2	1.94	2.57	63.3	93	5.6	102.9	77	2.2	37.7
42	89	3.7	7.2	6.2	135.9	6.0	133.2	1.94	2.58	63.4	94	5.6	108.6	77	2.2	39.8
43	88	3.9	7.7	6.2	142.0	5.9	139.1	1.95	2.58	63.5	94	5.6	114.1	77	2.1	42.0
44	88	4.0	8.3	6.2	148.2	5.9	145.1	1.95	2.59	63.6	94	5.6	119.7	77	2.1	44.1
45	88	4.2	8.8	6.2	154.4	5.9	151.0	1.96	2.59	63.6	94	5.5	125.2	76	2.1	46.2
46	88	4.4	9.3	6.2	160.5	5.9	156.9	1.96	2.60	63.8	94	5.5	130.8	76	2.1	48.3
47	87	4.6	9.8	6.1	166.6	5.8	162.7	1.96	2.60	63.8	94	5.5	136.2	76	2.1	50.4
48	87	4.8	10.3	6.1	172.7	5.8	168.5	1.96	2.61	64.0	94	5.5	141.7	76	2.1	52.5
49	87	4.9	10.8	6.1	178.8	5.8	174.3	1.97	2.62	64.1	94	5.4	147.1	75	2.0	54.5
50	86	5.1	11.3	6.0	184.8	5.7	180.0	1.97	2.62	64.3	94	5.4	152.5	75	2.0	56.5
51	86	5.3	11.8	6.0	190.8	5.7	185.7	1.97	2.63	64.3	95	5.4	157.9	75	2.0	58.6
52	86	5.5	12.3	6.0	196.8	5.7	191.4	2.00	2.63	64.5	95	5.4	163.3	74	2.0	60.6
53	86	5.7	12.8	6.0	202.9	5.7	197.0	2.00	2.64	64.5	95	5.4	168.7	74	2.0	62.6
54	85	5.9	13.4	6.0	208.8	5.6	202.6	2.00	2.64	64.6	95	5.3	174.0	73	1.9	64.5
55	84	6.1	14.0	5.9	214.7	5.5	208.2	2.02	2.65	64.6	95	5.2	179.3	73	1.9	66.4
56	83	6.3	14.6	5.8	220.5	5.4	213.6	2.02	2.65	64.6	95	5.2	184.4	72	1.9	68.3
57	82	6.4	15.2	5.7	226.2	5.4	219.0	2.03	2.66	64.6	95	5.1	189.5	71	1.8	70.1
58	82	6.6	15.8	5.7	232.0	5.4	224.3	2.03	2.66	64.6	95	5.1	194.6	71	1.8	71.9
59	81	6.8	16.4	5.7	237.7	5.3	229.6	2.04	2.67	64.7	94	5.0	199.6	70	1.7	73.6
60	81	7.0	17.0	5.7	243.3	5.3	234.9	2.04	2.67	64.7	94	5.0	204.6	70	1.7	75.4
61	79	7.2	17.6	5.5	248.9	5.1	240.0	2.05	2.68	64.7	94	4.8	209.4	69	1.7	77.0
62	78	7.4	18.3	5.5	254.3	5.1	245.1	2.05	2.68	64.8	94	4.8	214.1	69	1.6	78.7
63	77	7.6	19.0	5.4	259.7	5.0	250.1	2.06	2.69	64.8	94	4.7	218.8	68	1.6	80.3
64	76	7.8	19.7	5.3	265.0	4.9	255.0	2.06	2.69	64.9	94	4.6	223.4	68	1.6	81.8
65	75	8.0	21.4	5.3	270.3	4.8	259.8	2.06	2.69	64.9	94	4.5	228.0	67	1.5	83.4
66	75	8.2	21.6	5.3	275.5	4.8	264.6	2.07	2.70	65.0	93	4.5	232.4	67	1.5	84.9
67	74	8.4	21.8	5.2	280.7	4.7	269.4	2.07	2.70	65.0	93	4.4	236.9	67	1.5	86.3
68	73	8.6	22.0	5.1	285.8	4.7	274.0	2.07	2.70	65.1	93	4.3	241.2	66	1.4	87.8
69	72	8.8	22.2	5.0	290.9	4.6	278.6	2.08	2.71	65.1	93	4.3	245.5	66	1.4	89.2
70	71	9.0	22.4	5.0	295.8	4.5	283.1	2.08	2.71	65.2	93	4.2	249.7	66	1.4	90.6
71	70	9.2	22.6	4.9	300.7	4.4	287.6	2.08	2.71	65.2	93	4.1	253.8	65	1.3	91.9
72	69	9.4	22.8	4.8	305.6	4.4	292.0	2.09	2.72	65.3	92	4.0	257.8	65	1.3	93.2
73	68	9.6	23.0	4.8	310.3	4.3	296.3	2.09	2.72	65.3	92	4.0	261.8	65	1.3	94.5
74	67	9.8	23.2	4.7	315.0	4.2	300.5	2.09	2.72	65.4	92	3.9	265.7	64	1.2	95.8
75	66	10.0	23.4	4.6	319.6	4.2	304.7	2.10	2.73	65.4	92	3.8	269.5	64	1.2	97.0

Performance Table

Age in Weeks	% Hen-Day	Female % Mortality	Male % Mortality	Hen-Day Eggs		Hen-Housed Eggs		Female Body Weight	Male Body Weight	Average Egg Weight	% Settable	Settable Hen-Housed Eggs		% Hatch	Number Female Chicks	
	Current	Cumulative	Cumulative	Current	Cumulative	Current	Cumulative	kg	kg	g/egg		Current	Cumulative		Current	Cumulative
19	22	0.1	0.3	1.5	1.5	1.5	1.5	1.23	2.20	42.9	-	-	-	-	-	-
20	43	0.2	0.5	3.0	4.6	3.0	4.5	1.27	2.28	45.5	-	-	-	-	-	-
21	64	0.3	0.8	4.5	9.0	4.5	9.0	1.30	2.32	46.5	-	-	-	-	-	-
22	79	0.3	1.1	5.5	14.6	5.5	14.5	1.35	2.39	48.5	-	-	-	-	-	-
23	87	0.4	1.5	6.1	20.7	6.1	20.6	1.40	2.43	50.3	-	-	-	-	-	-
24	88	0.5	1.8	6.2	26.8	6.1	26.7	1.42	2.48	52.0	73	4.4	4.4	72	1.6	1.6
25	89	0.5	2.2	6.2	33.0	6.2	32.9	1.44	2.52	53.1	87	5.3	9.8	85	2.3	3.9
26	90	0.6	2.5	6.3	39.3	6.3	39.2	1.45	2.56	53.8	94	5.8	15.6	86	2.5	6.4
27	91	0.7	2.8	6.4	45.7	6.3	45.5	1.46	2.59	54.3	95	5.9	21.5	86	2.6	8.9
28	91	0.8	3.1	6.4	52.1	6.3	51.8	1.47	2.62	55.1	96	6.1	27.6	87	2.6	11.6
29	91	0.8	3.4	6.4	58.5	6.3	58.1	1.48	2.65	55.6	96	6.1	33.7	88	2.7	14.2
30	90	0.9	3.6	6.3	64.8	6.2	64.4	1.49	2.68	56.1	97	6.1	39.8	88	2.7	16.9
31	90	1.0	3.9	6.3	71.1	6.2	70.6	1.49	2.71	56.6	97	6.1	45.9	88	2.7	19.6
32	90	1.0	4.1	6.3	77.4	6.2	76.9	1.50	2.73	57.1	97	6.1	51.9	89	2.7	22.3
33	89	1.1	4.4	6.2	83.6	6.2	83.0	1.51	2.74	57.4	97	6.0	58.0	89	2.7	25.0
34	89	1.2	4.6	6.2	89.8	6.2	89.2	1.51	2.74	57.9	97	6.0	63.9	88	2.6	27.6
35	89	1.3	4.8	6.2	96.0	6.2	95.3	1.52	2.75	58.2	97	6.0	69.9	88	2.6	30.2
36	88	1.4	5.0	6.2	102.2	6.1	101.4	1.52	2.76	58.4	97	6.0	75.9	88	2.6	32.9
37	87	1.5	5.2	6.1	108.3	6.0	107.4	1.52	2.77	59.0	97	5.9	81.8	88	2.6	35.4
38	87	1.5	5.4	6.1	114.4	6.0	113.4	1.53	2.77	59.2	97	5.8	87.6	87	2.5	38.0
39	86	1.6	5.6	6.0	120.4	5.9	119.3	1.53	2.78	59.4	97	5.8	93.4	87	2.5	40.5
40	86	1.7	5.8	6.0	126.4	5.9	125.2	1.53	2.78	59.6	97	5.7	99.2	87	2.5	43.0
41	85	1.8	6.0	6.0	132.4	5.8	131.1	1.53	2.79	59.9	97	5.7	104.9	87	2.5	45.5
42	85	1.9	6.2	6.0	138.3	5.8	136.9	1.54	2.79	60.1	97	5.7	110.6	87	2.5	48.0
43	85	2.0	6.3	6.0	144.3	5.8	142.8	1.54	2.80	60.2	97	5.7	116.2	87	2.4	50.4
44	84	2.1	6.5	5.9	150.2	5.8	148.5	1.54	2.81	60.5	97	5.7	121.9	86	2.4	52.8
45	84	2.2	6.7	5.9	156.0	5.8	154.3	1.55	2.82	61.0	97	5.6	127.5	86	2.4	55.3
46	83	2.3	6.9	5.8	161.8	5.7	159.9	1.55	2.83	61.1	97	5.6	133.0	86	2.4	57.7
47	83	2.4	7.1	5.8	167.7	5.7	165.6	1.55	2.84	61.3	97	5.5	138.5	86	2.4	60.0
48	82	2.4	7.3	5.7	173.4	5.6	171.2	1.55	2.84	61.3	97	5.5	144.1	86	2.4	62.4
49	82	2.5	7.4	5.7	179.1	5.6	176.8	1.55	2.85	61.4	97	5.4	149.5	86	2.3	64.7
50	82	2.6	7.6	5.7	184.9	5.6	182.4	1.56	2.85	61.6	97	5.4	154.9	85	2.3	67.0
51	81	2.7	7.8	5.7	190.5	5.5	187.9	1.56	2.86	61.8	97	5.4	160.3	85	2.3	69.3
52	81	2.8	8.0	5.7	196.2	5.5	193.4	1.56	2.87	61.9	97	5.3	165.7	85	2.3	71.6
53	81	2.9	8.2	5.7	201.9	5.5	198.9	1.56	2.87	62.0	97	5.3	171.0	84	2.2	73.9
54	80	3.0	8.3	5.6	207.5	5.4	204.4	1.57	2.88	62.1	97	5.3	176.4	84	2.2	76.1
55	80	3.1	8.5	5.6	213.1	5.4	209.8	1.57	2.88	62.2	97	5.3	181.6	84	2.2	78.3
56	79	3.2	8.7	5.5	218.6	5.4	215.1	1.57	2.90	62.2	96	5.2	186.8	84	2.2	80.5
57	79	3.3	8.8	5.5	224.1	5.3	220.5	1.57	2.90	62.3	96	5.1	192.0	83	2.1	82.6
58	78	3.4	9.0	5.5	229.6	5.3	225.7	1.58	2.91	62.3	96	5.1	197.1	83	2.1	84.7
59	78	3.5	9.2	5.5	235.1	5.3	231.0	1.58	2.91	62.4	96	5.1	202.2	82	2.1	86.8
60	78	3.6	9.3	5.5	240.5	5.3	236.3	1.58	2.92	62.4	96	5.1	207.2	81	2.0	88.9
61	77	3.7	9.5	5.4	245.9	5.2	241.5	1.58	2.92	62.5	96	5.1	212.3	80	2.0	90.9
62	77	3.8	9.6	5.4	251.3	5.2	246.6	1.58	2.93	62.5	96	5.0	217.3	79	2.0	92.8
63	77	3.9	9.8	5.4	256.7	5.2	251.8	1.58	2.94	62.7	96	5.0	222.2	78	2.0	94.8
64	77	4.0	9.9	5.4	262.1	5.2	257.0	1.59	2.95	62.7	96	5.0	227.2	78	1.9	96.7
65	77	4.1	10.1	5.4	267.5	5.2	262.2	1.59	2.96	62.8	96	5.0	232.2	77	1.9	98.6
66	76	4.2	10.2	5.3	272.8	5.1	267.3	1.59	2.96	62.8	95	4.9	237.1	77	1.9	100.5
67	75	4.3	10.3	5.3	278.0	5.0	272.3	1.59	2.97	62.9	95	4.8	241.9	76	1.8	102.4
68	75	4.4	10.4	5.3	283.3	5.0	277.3	1.59	2.97	62.9	95	4.8	246.7	76	1.8	104.2
69	74	4.5	10.5	5.2	288.5	4.9	282.2	1.59	2.98	63.0	95	4.8	251.4	76	1.8	106.0
70	74	4.6	10.6	5.2	293.7	4.9	287.2	1.60	2.98	63.0	95	4.7	256.1	75	1.8	107.8
71	73	4.8	10.7	5.1	298.8	4.9	292.0	1.60	2.98	63.1	94	4.6	260.8	75	1.7	109.5
72	73	5.0	10.8	5.1	303.9	4.9	296.9	1.60	2.99	63.1	94	4.6	265.4	75	1.7	111.2
73	72	5.2	10.9	5.0	308.9	4.8	301.7	1.60	2.99	63.2	94	4.6	269.9	74	1.7	112.9
74	72	5.4	11.0	5.0	314.0	4.8	306.5	1.60	2.99	63.3	94	4.5	274.4	74	1.7	114.6
75	71	5.6	11.1	5.0	318.9	4.7	311.1	1.60	2.99	63.3	94	4.5	278.9	74	1.7	116.2

Growing Body Weights, Feed Consumption and Uniformity

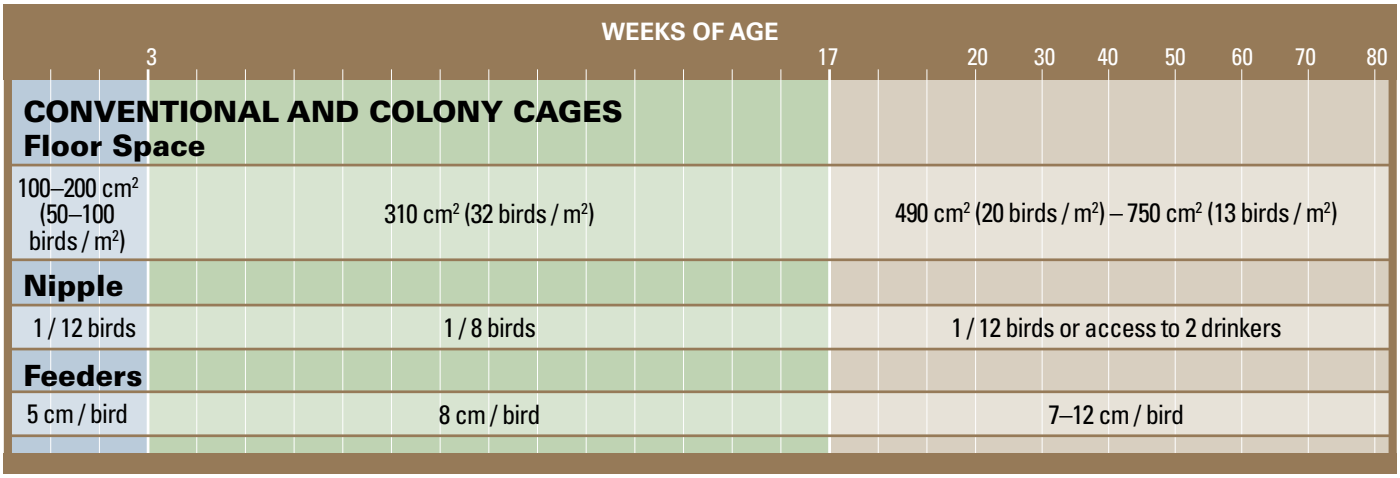
AGE (weeks)	BODY WEIGHT* (g)	FEED INTAKE (g / day per bird)	UNIFORMITY (Cage)
1	68 – 72	14 – 15	
2	121 – 129	17 – 21	>85%
3	184 – 196	23 – 25	
4	257 – 273	27 – 29	
5	349 – 371	34 – 36	>80%
6	446 – 474	38 – 40	
7	543 – 577	41 – 43	
8	650 – 690	45 – 47	
9	757 – 803	49 – 53	>85%
10	863 – 917	52 – 56	
11	960 – 1020	58 – 62	
12	1048 – 1112	62 – 66	
13	1125 – 1195	67 – 71	
14	1193 – 1267	70 – 74	
15	1261 – 1339	72 – 76	>85%
16	1329 – 1411	75 – 79	
17	1397 – 1483	78 – 82	>90%

Weigh birds separately after 3 weeks using a digital scale that calculates uniformity

3-week old pullets from same flock with very different development shows importance of monitoring flock body weight uniformity

** Body weight gains may be affected by bird handling, vaccination, and transfer*

Space Guidelines *(check local regulations)*



Requirements vary with type of equipment used and environmental conditions

Cage Systems Management

- Flock can be moved into production facility at 15–16 weeks of age or after administration of last live vaccines
- It is important that growing and production cages contain similar feed and water systems
- Any sex slips (males) should be removed around 7 weeks and at transfer
- Supportive care to reduce stress such as water-soluble vitamins, probiotics and vitamin C should be used 3 days before and 3 days after transfer
- Weigh prior to a scheduled feed change
- Remove mortality daily
- If mortality exceeds 0.1% per week, perform necropsies and other diagnostics to determine cause(s) of mortality

Post-Molt Performance Standards

AGE (weeks)	% HEN–DAY Current	HEN–DAY EGGS Cumulative	HEN–HOUSED EGGS Cumulative	MORTALITY Cumulative (%)	BODY WEIGHT (kg)	FEED CONSUMPTION (g / day per bird)	HEN–HOUSED EGG MASS Cumulative (kg)	AVERAGE EGG WEIGHT* (g / egg)
69	0 – 0	299.2 – 309.4	294.1 – 304.2	3.7	1.71 – 1.81	54.0 – 64.0	18.0	–
70	0 – 0	299.2 – 309.4	294.1 – 304.2	3.9	1.74 – 1.84	54.0 – 64.0	18.0	–
71	0 – 0	299.2 – 309.4	294.1 – 304.2	4.1	1.77 – 1.87	64.0 – 95.0	18.0	–
72	12 – 15	300.0 – 310.4	294.9 – 305.2	4.2	1.81 – 1.91	85.0 – 95.0	18.1	64.0
73	38 – 41	302.7 – 313.3	297.4 – 307.9	4.3	1.85 – 1.95	90.0 – 100.0	18.2	64.1
74	62 – 65	307.0 – 317.8	301.6 – 312.3	4.4	1.86 – 1.96	95.0 – 105.0	18.5	64.2
75	76 – 79	312.3 – 323.4	306.7 – 317.6	4.5	1.87 – 1.97	100.0 – 110.0	18.8	64.3
76	80 – 83	317.9 – 329.2	312.0 – 323.1	4.6	1.88 – 1.98	103.0 – 113.0	19.2	64.4
77	82 – 85	323.7 – 335.1	317.5 – 328.8	4.7	1.88 – 1.98	104.0 – 114.0	19.5	64.5
78	85 – 87	329.6 – 341.2	323.1 – 334.6	4.9	1.88 – 1.98	105.0 – 115.0	19.9	64.6
79	85 – 87	335.6 – 347.3	328.8 – 340.4	5.0	1.88 – 1.98	106.0 – 116.0	20.2	64.7
80	85 – 87	341.5 – 353.4	334.4 – 346.1	5.1	1.89 – 1.99	107.0 – 117.0	20.6	64.8
81	86 – 88	347.5 – 359.6	340.1 – 352.0	5.2	1.89 – 1.99	107.0 – 117.0	21.0	64.9
82	86 – 88	353.5 – 365.7	345.8 – 357.8	5.4	1.90 – 2.00	108.0 – 118.0	21.3	65.0
83	85 – 87	359.5 – 371.8	351.5 – 363.6	5.5	1.90 – 2.00	108.0 – 118.0	21.7	65.1
84	85 – 87	365.4 – 377.9	357.1 – 369.3	5.7	1.90 – 2.00	109.0 – 119.0	22.1	65.1
85	84 – 87	371.3 – 384.0	362.6 – 375.0	5.8	1.91 – 2.01	109.0 – 119.0	22.4	65.2
86	84 – 87	377.2 – 390.1	368.1 – 380.8	6.0	1.91 – 2.01	110.0 – 120.0	22.8	65.2
87	83 – 86	383.0 – 396.1	373.6 – 386.4	6.1	1.91 – 2.01	110.0 – 120.0	23.2	65.3
88	83 – 86	388.8 – 402.1	379.0 – 392.1	6.3	1.91 – 2.01	110.0 – 120.0	23.5	65.3
89	83 – 86	394.6 – 408.1	384.5 – 397.7	6.4	1.91 – 2.01	110.0 – 120.0	23.9	65.4
90	82 – 85	400.4 – 414.1	389.8 – 403.3	6.6	1.92 – 2.02	110.0 – 120.0	24.2	65.4
91	82 – 85	406.1 – 420.0	395.2 – 408.8	6.8	1.92 – 2.02	110.0 – 120.0	24.6	65.5
92	81 – 84	411.8 – 425.9	400.5 – 414.3	6.9	1.92 – 2.02	111.0 – 121.0	24.9	65.5
93	81 – 84	417.5 – 431.8	405.7 – 419.7	7.1	1.92 – 2.02	111.0 – 121.0	25.3	65.5
94	81 – 84	423.1 – 437.7	411.0 – 425.2	7.3	1.92 – 2.02	111.0 – 121.0	25.6	65.5
95	80 – 83	428.7 – 443.5	416.2 – 430.6	7.4	1.92 – 2.02	110.0 – 120.0	25.9	65.5
96	80 – 83	434.3 – 449.3	421.4 – 435.9	7.6	1.93 – 2.03	110.0 – 120.0	26.3	65.5
97	80 – 83	439.9 – 455.1	426.5 – 441.3	7.8	1.93 – 2.03	110.0 – 120.0	26.6	65.5
98	79 – 82	445.5 – 460.8	431.6 – 446.6	7.9	1.93 – 2.03	109.0 – 119.0	26.9	65.5
99	79 – 82	451.0 – 466.6	436.7 – 451.9	8.1	1.93 – 2.03	109.0 – 119.0	27.3	65.6
100	79 – 82	456.5 – 472.3	441.8 – 457.1	8.3	1.93 – 2.03	109.0 – 119.0	27.6	65.6
101	78 – 81	462.0 – 478.0	446.8 – 462.3	8.5	1.93 – 2.03	108.0 – 118.0	27.9	65.6
102	78 – 81	467.4 – 483.7	451.7 – 467.5	8.7	1.94 – 2.03	108.0 – 118.0	28.3	65.6
103	78 – 81	472.9 – 489.3	456.7 – 472.7	8.9	1.94 – 2.03	107.0 – 117.0	28.6	65.6
104	77 – 80	478.3 – 494.9	461.6 – 477.7	9.1	1.94 – 2.03	107.0 – 117.0	28.9	65.7
105	77 – 80	483.7 – 500.5	466.5 – 482.8	9.3	1.94 – 2.03	106.0 – 116.0	29.2	65.7
106	77 – 80	489.1 – 506.1	471.4 – 487.9	9.5	1.94 – 2.03	106.0 – 116.0	29.6	65.7
107	76 – 79	494.4 – 511.7	476.2 – 492.9	9.7	1.94 – 2.04	105.0 – 115.0	29.9	65.7
108	76 – 79	499.7 – 517.2	481.0 – 497.9	9.9	1.95 – 2.05	105.0 – 115.0	30.2	65.7
109	76 – 79	505.0 – 522.7	485.8 – 502.8	10.1	1.95 – 2.05	104.0 – 114.0	30.5	65.7
110	76 – 79	510.3 – 528.3	490.5 – 507.8	10.4	1.95 – 2.05	104.0 – 114.0	30.8	65.7

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

Target Weights

—Growing Period—

Age in Weeks	Body Weight* g
1	65
2	115
3	180
4	250
5	330
6	420
7	510
8	600
9	690
10	790
11	880
12	960
13	1030
14	1100
15	1170
16	1210
17**	1250
18	1280

* Pullets grown on the floor or in a tropical climate can be 50 g lighter than shown.
** Move to Lay house

Feed Consumption*

—Growing Period—

Age in Weeks	Daily g/day per bird	Cumulative g to date
1	14	98
2	16	210
3	19	343
4	30	553
5	39	826
6	42	1120
7	43	1421
8	46	1743
9	48	2079
10	51	2436
11	53	2807
12	54	3185
13	56	3577
14	57	3976
15	59	4389
16	61	4816
17	62	5250

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

Added Vitamins and Trace Minerals

	—Growing Period—	—Laying Period—
Item[1]	In 1000 kg complete diet	In 1000 kg complete diet
Vitamin A, IU	9,900,000	8,800,000
Vitamin D_3, IU	3,300,000	3,300,000
25-hydroxy Vitamin D_3,[2] mg	55	55
Vitamin E, IU	22,100	16,500
Vitamin K (menadione), g	3.3	2.2
Thiamin (B_1), g	2.2	1.7
Riboflavin (B_2), g	6.6	5.5
Niacin (B_3), g	33	28
Pantothenic acid (B_5), g	11.0	6.6
Pyridoxine (B_6), g	4.4	3.3
Biotin (B_7), mg	55	55
Folic acid (B_9), g	0.9	0.6
Cobalamine (B_{12}), mg	22.1	22.1
Choline, g	110	110
Manganese[3], g	88	88
Zinc[3], g	88	88
Iron, g	55	55
Copper, g	11.0	5.5
Iodine, g	1.7	1.7
Selenium, g	0.30	0.30

[1] Minimum recommendations for growing and laying periods. Local regulations may limit the dietary content of individual vitamins or minerals.
[2] If 25-OH Vitamin D_3 is added to the diet, the levels of 'regular' Vitamin D_3 in the premix could be lowered in accordance with the manufacturer's recommendations or to comply with local laws regulating the total amount of Vitamin D_3 added to the diet.
[3] 20% of Manganese or Zinc may be in organic form.

Post-Molt Performance Table

Age in Weeks	% Hen-Day Production	% Mortality Cumulative	Eggs Cumulative		Body Weight	Average Egg Weight*	Feed Consumption	Hen-Housed Egg Mass Cumulative
			Hen-Day	Hen-Housed	kg	g/egg	g/day per bird	kg
69	0	4.4	298.3	292.3	1.51	-	-	17.7
70	0	4.5	298.3	292.3	1.48	-	47	17.7
71	0	4.6	298.3	292.3	1.48	-	64	17.7
72	9	4.7	298.9	292.9	1.48	63.4	78	17.8
73	22	4.8	300.4	294.4	1.49	63.5	85	17.9
74	48	4.9	303.8	297.6	1.52	63.6	90	18.1
75	77	4.9	309.2	302.7	1.54	63.8	95	18.4
76	84	5.0	315.1	308.3	1.55	63.9	97	18.8
77	87	5.1	321.1	314.1	1.56	63.9	99	19.1
78	88	5.2	327.3	319.9	1.56	63.9	100	19.5
79	88	5.2	333.5	325.8	1.57	63.9	100	19.9
80	89	5.3	339.7	331.7	1.57	64.0	101	20.3
81	89	5.4	345.9	337.6	1.57	64.0	101	20.6
82	88	5.5	352.1	343.4	1.58	64.0	101	21.0
83	87	5.5	358.2	349.1	1.58	64.0	101	21.4
84	87	5.6	364.3	354.9	1.58	64.0	101	21.7
85	87	5.7	370.4	360.6	1.58	64.0	101	22.1
86	87	5.8	376.4	366.4	1.58	64.0	102	22.5
87	87	5.9	382.5	372.1	1.58	64.1	102	22.8
88	86	6.0	388.6	377.8	1.58	64.1	102	23.2
89	86	6.1	394.6	383.4	1.58	64.1	102	23.6
90	86	6.2	400.6	389.1	1.58	64.1	102	23.9
91	86	6.2	406.6	394.7	1.58	64.1	102	24.3
92	86	6.3	412.6	400.4	1.58	64.1	102	24.7
93	86	6.4	418.7	406.0	1.58	64.1	102	25.0
94	86	6.5	424.7	411.6	1.58	64.1	102	25.4
95	86	6.6	430.7	417.2	1.58	64.1	102	25.7
96	85	6.7	436.6	422.8	1.58	64.1	102	26.1
97	85	6.8	442.6	428.3	1.58	64.1	102	26.5
98	85	6.9	448.5	433.9	1.58	64.4	102	26.8
99	85	7.0	454.5	439.4	1.58	64.4	102	27.2
100	84	7.1	460.4	444.9	1.58	64.4	102	27.5
101	84	7.2	466.3	450.3	1.58	64.4	102	27.9
102	83	7.3	472.1	455.7	1.58	64.4	103	28.2
103	82	7.4	477.8	461.0	1.58	64.4	103	28.6
104	82	7.5	483.5	466.3	1.58	64.4	103	28.9
105	81	7.6	489.2	471.6	1.58	64.4	103	29.2
106	80	7.7	494.8	476.7	1.58	64.4	103	29.6
107	80	7.8	500.4	481.9	1.58	64.4	103	29.9
108	80	7.9	506.0	487.0	1.58	64.4	103	30.2
109	79	8.1	511.5	492.1	1.58	64.4	103	30.6
110	79	8.2	517.1	497.2	1.58	64.4	103	30.9

* 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.

Target Weights

—Growing Period—

Age in Weeks	Body Weight* g
1	65
2	110
3	180
4	260
5	350
6	450
7	550
8	650
9	750
10	850
11	930
12	1000
13	1060
14	1110
15	1150
16**	1190
17	1230

* Pullets grown on the floor, or in a tropical climate, can be 50 g lighter than shown.
** Move to Lay House

Feed Consumption*

—Growing Period—

Age in Weeks	Daily g/day per bird	Cumulative g to date
1	14	98
2	17	217
3	21	364
4	29	567
5	39	840
6	43	1141
7	46	1463
8	49	1806
9	52	2170
10	54	2548
11	55	2933
12	57	3332
13	59	3745
14	60	4165
15	64	4613
16	67	5082

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

Added Vitamins and Trace Minerals

	—Growing Period—	—Laying Period—
Item[1]	In 1000 kg complete diet	In 1000 kg complete diet
Vitamin A, IU	9,900,000	8,800,000
Vitamin D_3, IU	3,300,000	3,300,000
25-hydroxy Vitamin D_3,[2] mg	55	50
Vitamin E, IU	22,100	16,500
Vitamin K (menadione), g	3.3	2.2
Thiamin (B_1), g	2.2	1.7
Riboflavin (B_2), g	6.6	5.5
Niacin (B_3), g	33	28
Pantothenic acid (B_5), g	11.0	6.6
Pyridoxine (B_6), g	4.4	3.3
Biotin (B_7), mg	55	55
Folic acid (B_9), g	0.9	0.6
Cobalamine (B_{12}), mg	22.1	22.1
Choline, g	110	110
Manganese[3], g	88	88
Zinc[3], g	88	88
Iron, g	55	55
Copper, g	11.0	5.5
Iodine, g	1.7	1.7
Selenium, g	0.30	0.30

[1] Minimum recommendations for growing and laying periods. Local regulations may limit the dietary content of individual vitamins or minerals.
[2] If 25-OH Vitamin D_3 is added to the diet, the levels of 'regular' Vitamin D_3 in the premix could be lowered in accordance with the manufacturer's recommendations or to comply with local laws regulating the total amount of Vitamin D_3 added to the diet.
[3] 20% of Manganese or Zinc may be in organic form.

Post-Molt Performance Table

Age in Weeks	% Hen-Day Production	% Mortality Cumulative	Eggs Cumulative Hen-Day	Eggs Cumulative Hen-Housed	Body Weight kg	Average Egg Weight* g/egg	Feed Consumption g/day per bird	Hen-Housed Egg Mass Cumulative kg
69	0	4.9	289.5	284.0	1.27	-	36	17.8
70	0	5.1	289.5	284.0	1.24	-	70	17.8
71	5	5.3	289.8	284.4	1.38	64.0	94	17.8
72	26	5.4	291.7	286.1	1.45	64.2	98	17.9
73	64	5.6	296.1	290.3	1.50	64.5	100	18.2
74	79	5.7	301.7	295.5	1.55	64.8	102	18.6
75	82	5.8	307.4	300.9	1.59	65.0	103	18.9
76	85	6.0	313.4	306.5	1.60	65.2	101	19.3
77	86	6.1	319.4	312.2	1.61	65.4	100	19.7
78	85	6.2	325.3	317.8	1.61	65.5	100	20.1
79	84	6.4	331.2	323.3	1.61	65.6	100	20.5
80	83	6.5	337.0	328.7	1.62	65.6	100	20.9
81	82	6.7	342.8	334.1	1.62	65.6	100	21.3
82	82	6.9	348.5	339.4	1.62	65.7	100	21.6
83	81	7.0	354.2	344.7	1.62	65.7	99	22.0
84	81	7.2	359.8	349.9	1.62	65.7	99	22.4
85	81	7.4	365.5	355.2	1.62	65.7	99	22.8
86	80	7.5	371.1	360.4	1.62	65.8	99	23.1
87	80	7.7	376.7	365.5	1.62	65.8	99	23.5
88	80	7.9	382.3	370.7	1.62	65.8	99	23.9
89	79	8.1	387.8	375.8	1.63	65.9	99	24.2
90	78	8.3	393.3	380.8	1.63	65.9	98	24.6
91	78	8.5	398.8	385.8	1.63	65.9	98	24.9
92	77	8.7	404.1	390.7	1.63	66.0	98	25.3
93	77	8.9	409.5	395.6	1.63	66.0	98	25.7
94	75	9.1	414.8	400.4	1.63	66.0	99	26.0
95	75	9.3	420.0	405.2	1.63	66.1	99	26.3
96	75	9.5	425.3	409.9	1.63	66.1	99	26.7
97	74	9.7	430.5	414.6	1.63	66.1	99	27.0
98	74	10.0	435.6	419.3	1.63	66.1	99	27.4
99	73	10.2	440.8	423.8	1.63	66.2	100	27.7
100	73	10.4	445.9	428.4	1.63	66.2	100	28.1
101	72	10.7	450.9	432.9	1.63	66.2	100	28.4
102	71	10.9	455.9	437.3	1.64	66.2	100	28.7
103	71	11.2	460.8	441.8	1.64	66.3	101	29.0
104	71	11.4	465.8	446.2	1.64	66.3	101	29.4
105	71	11.7	470.8	450.6	1.64	66.3	101	29.7
106	70	12.0	475.7	454.9	1.64	66.3	101	30.0
107	70	12.2	480.6	459.2	1.64	66.4	102	30.4
108	69	12.5	485.4	463.4	1.64	66.4	102	30.7
109	69	12.8	490.2	467.6	1.64	66.5	102	31.0
110	68	13.0	495.0	471.8	1.64	66.5	102	31.3

* 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.

Target Weights Alternative Systems

—Growing Period—

Age in Weeks	Body Weight* g
1	70
2	120
3	180
4	250
5	335
6	430
7	525
8	620
9	725
10	830
11	925
12	1020
13	1100
14	1160
15	1220
16	1280
17**	1360
18	1440

* Pullets grown on the floor or in a tropical climate can be 50 g lighter than shown.
** Move to Lay house

Feed Consumption* Alternative Systems

—Growing Period—

Age in Weeks	Daily g/day per bird	Cumulative g to date
1	10	70
2	18	196
3	21	343
4	27	532
5	30	742
6	36	994
7	40	1274
8	43	1575
9	49	1918
10	54	2296
11	58	2702
12	62	3136
13	65	3591
14	68	4067
15	70	4557
16	75	5082
17	77	5621

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

Added Vitamins and Trace Minerals

	—Growing Period—	—Laying Period—
Item[1]	In 1000 kg complete diet	In 1000 kg complete diet
Vitamin A, IU	9,900,000	8,800,000
Vitamin D_3, IU	3,300,000	3,300,000
25-hydroxy Vitamin D_3,[2] mg	55	50
Vitamin E, IU	22,100	16,500
Vitamin K (menadione), g	3.3	2.2
Thiamin (B_1), g	2.2	1.7
Riboflavin (B_2), g	6.6	5.5
Niacin (B_3), g	33	28
Pantothenic acid (B_5), g	11.0	6.6
Pyridoxine (B_6), g	4.4	3.3
Biotin (B_7), mg	55	55
Folic acid (B_9), g	0.9	0.6
Cobalamine (B_{12}), mg	22.1	22.1
Choline, g	110	110
Manganese[3], g	88	88
Zinc[3], g	88	88
Iron, g	55	55
Copper, g	11.0	5.5
Iodine, g	1.7	1.7
Selenium, g	0.30	0.30

[1] Minimum recommendations for growing and laying periods. Local regulations may limit the dietary content of individual vitamins or minerals.
[2] If 25-OH Vitamin D_3 is added to the diet, the levels of 'regular' Vitamin D_3 in the premix could be lowered in accordance with the manufacturer's recommendations or to comply with local laws regulating the total amount of Vitamin D_3 added to the diet.
[3] 20% of Manganese or Zinc may be in organic form.

Target Weights

—Growing Period—

Age in Weeks	Body Weight* g
1	75
2	125
3	185
4	255
5	335
6	425
7	530
8	625
9	720
10	810
11	885
12	955
13	1015
14	1070
15	1120
16	1165
17**	1210
18	1260

* Pullets grown on the floor or in a tropical climate can be 50 g lighter than shown.
** Move to Lay house

Feed Consumption*

—Growing Period—

Age in Weeks	Daily g/day per bird	Cumulative g to date
1	10	70
2	17	189
3	23	350
4	29	553
5	34	791
6	37	1050
7	41	1337
8	45	1652
9	49	1995
10	53	2366
11	56	2758
12	60	3178
13	64	3626
14	67	4095
15	70	4585
16	73	5096
17	73	5607

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

Added Vitamins and Trace Minerals

	—Growing Period—	—Laying Period—
Item[1]	In 1000 kg complete diet	In 1000 kg complete diet
Vitamin A, IU	9,900,000	8,800,000
Vitamin D_3, IU	3,300,000	3,300,000
25-hydroxy Vitamin D_3,[2] mg	55	50
Vitamin E, IU	22,100	16,500
Vitamin K (menadione), g	3.3	2.2
Thiamin (B_1), g	2.2	1.7
Riboflavin (B_2), g	6.6	5.5
Niacin (B_3), g	33	28
Pantothenic acid (B_5), g	11.0	6.6
Pyridoxine (B_6), g	4.4	3.3
Biotin (B_7), mg	55	55
Folic acid (B_9), g	0.9	0.6
Cobalamine (B_{12}), mg	22.1	22.1
Choline, g	110	110
Manganese[3], g	88	88
Zinc[3], g	88	88
Iron, g	55	55
Copper, g	11.0	5.5
Iodine, g	1.7	1.7
Selenium, g	0.30	0.30

[1] Minimum recommendations for growing and laying periods. Local regulations may limit the dietary content of individual vitamins or minerals.
[2] If 25-OH Vitamin D_3 is added to the diet, the levels of 'regular' Vitamin D_3 in the premix could be lowered in accordance with the manufacturer's recommendations or to comply with local laws regulating the total amount of Vitamin D_3 added to the diet.
[3] 20% of Manganese or Zinc may be in organic form.

Target Weights

—Growing Period—

Age in Weeks	Body Weight* g
1	75
2	125
3	185
4	255
5	335
6	425
7	530
8	625
9	720
10	810
11	885
12	955
13	1015
14	1070
15	1120
16	1165
17**	1210
18	1260

* Pullets grown on the floor or in a tropical climate can be 50 g lighter than shown.
** Move to Lay house

Feed Consumption*

—Growing Period—

Age in Weeks	Daily g/day per bird	Cumulative g to date
1	10	70
2	17	189
3	23	350
4	29	553
5	34	791
6	37	1050
7	41	1337
8	45	1652
9	49	1995
10	53	2366
11	56	2758
12	60	3178
13	64	3626
14	67	4095
15	70	4585
16	73	5096
17	73	5607

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

Added Vitamins and Trace Minerals

	—Growing Period—	—Laying Period—
Item[1]	In 1000 kg complete diet	In 1000 kg complete diet
Vitamin A, IU	9,900,000	8,800,000
Vitamin D_3, IU	3,300,000	3,300,000
25-hydroxy Vitamin D_3,[2] mg	55	50
Vitamin E, IU	22,100	16,500
Vitamin K (menadione), g	3.3	2.2
Thiamin (B_1), g	2.2	1.7
Riboflavin (B_2), g	6.6	5.5
Niacin (B_3), g	33	28
Pantothenic acid (B_5), g	11.0	6.6
Pyridoxine (B_6), g	4.4	3.3
Biotin (B_7), mg	55	55
Folic acid (B_9), g	0.9	0.6
Cobalamine (B_{12}), mg	22.1	22.1
Choline, g	110	110
Manganese[3], g	88	88
Zinc[3], g	88	88
Iron, g	55	55
Copper, g	11.0	5.5
Iodine, g	1.7	1.7
Selenium, g	0.30	0.30

[1] Minimum recommendations for growing and laying periods. Local regulations may limit the dietary content of individual vitamins or minerals.
[2] If 25-OH Vitamin D_3 is added to the diet, the levels of 'regular' Vitamin D_3 in the premix could be lowered in accordance with the manufacturer's recommendations or to comply with local laws regulating the total amount of Vitamin D_3 added to the diet.
[3] 20% of Manganese or Zinc may be in organic form.

Target Weights

—Growing Period—	
Age in Weeks	**Body Weight* g**
1	70
2	120
3	190
4	280
5	380
6	480
7	590
8	700
9	800
10	900
11	1000
12	1090
13	1180
14	1270
15	1360
16	1450
17**	1540
18	1610

* Pullets grown on the floor, or in a tropical climate, can be 50 g lighter than shown.
** Move to Lay house

Feed Consumption*

—Growing Period—		
Age in Weeks	**Daily g/day per bird**	**Cumulative g to date**
1	13	91
2	20	231
3	25	406
4	29	609
5	33	840
6	37	1099
7	41	1386
8	46	1708
9	51	2065
10	56	2457
11	61	2884
12	66	3346
13	70	3836
14	74	4354
15	76	4886
16	78	5432
17	80	5992

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

Added Vitamins and Trace Minerals

	—Growing Period—	—Laying Period—
Item[1]	**In 1000 kg complete diet**	**In 1000 kg complete diet**
Vitamin A, IU	9,900,000	8,800,000
Vitamin D_3, IU	3,300,000	3,300,000
25-hydroxy Vitamin D_3,[2] mg	55	50
Vitamin E, IU	22,100	16,500
Vitamin K (menadione), g	3.3	2.2
Thiamin (B_1), g	2.2	1.7
Riboflavin (B_2), g	6.6	5.5
Niacin (B_3), g	33	28
Pantothenic acid (B_5), g	11.0	6.6
Pyridoxine (B_6), g	4.4	3.3
Biotin (B_7), mg	55	55
Folic acid (B_9), g	0.9	0.6
Cobalamine (B_{12}), mg	22.1	22.1
Choline, g	110	110
Manganese[3], g	88	88
Zinc[3], g	88	88
Iron, g	55	55
Copper, g	11.0	5.5
Iodine, g	1.7	1.7
Selenium, g	0.30	0.30

[1] Minimum recommendations for growing and laying periods. Local regulations may limit the dietary content of individual vitamins or minerals.
[2] If 25-OH Vitamin D_3 is added to the diet, the levels of 'regular' Vitamin D_3 in the premix could be lowered in accordance with the manufacturer's recommendations or to comply with local laws regulating the total amount of Vitamin D_3 added to the diet.
[3] 20% of Manganese or Zinc may be in organic form.

Target Weights

—Growing Period—

Age in Weeks	Body Weight* g
1	70
2	115
3	190
4	280
5	380
6	490
7	590
8	710
9	810
10	920
11	1020
12	1120
13	1190
14	1260
15	1330
16	1400
17**	1460
18	1500

* Pullets grown on the floor or in a tropical climate can be 50 g lighter than shown.
** Move to Lay house

Feed Consumption*

—Growing Period—

Age in Weeks	Daily g/day per bird	Cumulative g to date
1	13	91
2	20	231
3	25	406
4	29	609
5	33	840
6	37	1099
7	41	1386
8	46	1708
9	51	2065
10	56	2457
11	61	2884
12	66	3346
13	70	3836
14	73	4347
15	75	4872
16	77	5411
17	78	5957

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

Added Vitamins and Trace Minerals

	—Growing Period—	—Laying Period—
Item[1]	In 1000 kg complete diet	In 1000 kg complete diet
Vitamin A, IU	9,900,000	8,800,000
Vitamin D_3, IU	3,300,000	3,300,000
25-hydroxy Vitamin D_3,[2] mg	55	55
Vitamin E, IU	22,100	16,500
Vitamin K (menadione), g	3.3	2.2
Thiamin (B_1), g	2.2	1.7
Riboflavin (B_2), g	6.6	5.5
Niacin (B_3), g	33	28
Pantothenic acid (B_5), g	11.0	6.6
Pyridoxine (B_6), g	4.4	3.3
Biotin (B_7), mg	55	55
Folic acid (B_9), g	0.9	0.6
Cobalamine (B_{12}), mg	22.1	22.1
Choline, g	110	110
Manganese[3], g	88	88
Zinc[3], g	88	88
Iron, g	55	55
Copper, g	11.0	5.5
Iodine, g	1.7	1.7
Selenium, g	0.30	0.30

[1] Minimum recommendations for growing and laying periods. Local regulations may limit the dietary content of individual vitamins or minerals.
[2] If 25-OH Vitamin D_3 is added to the diet, the levels of 'regular' Vitamin D_3 in the premix could be lowered in accordance with the manufacturer's recommendations or to comply with local laws regulating the total amount of Vitamin D_3 added to the diet.
[3] 20% of Manganese or Zinc may be in organic form.

Growing Body Weights, Feed Consumption and Uniformity

AGE (weeks)	FEMALE WEIGHT* (g)	MALE WEIGHT* (g)	FEED INTAKE (g / day per bird)	UNIFORMITY Floor	UNIFORMITY Cage
1	66 – 70	73 – 77	12 – 13	>85%	>85%
2	116 – 124	136 – 144	19 – 20		
3	189 – 201	223 – 237	25 – 26		
4	267 – 283	320 – 340	28 – 30	>80%	>80%
5	349 – 371	437 – 464	32 – 34		
6	441 – 469	572 – 608	36 – 38		
7	543 – 577	708 – 752	40 – 42	>83%	>85%
8	640 – 680	873 – 927	45 – 47		
9	737 – 783	1028 – 1092	50 – 52		
10	829 – 881	1183 – 1257	55 – 57		
11	922 – 979	1329 – 1411	60 – 62		
12	1004 – 1066	1484 – 1576	65 – 67		
13	1086 – 1154	1639 – 1741	69 – 71	>85%	>85%
14	1154 – 1226	1775 – 1885	72 – 75		
15	1222 – 1298	1901 – 2019	74 – 77		
16	1285 – 1365	1959 – 2081	76 – 79		
17	1363 – 1447	2027 – 2153	78 – 82	>88%	>90%
18	1450 – 1530	2130 – 2260	81 – 85		

** Body weight gains may be affected by bird handling, vaccination, and transfer*

Weigh birds separately after 3 weeks using a digital scale that calculates uniformity

3-week old pullets from same flock with very different development shows importance of monitoring flock body weight uniformity

Space Guidelines *(check local regulations)*

WEEKS OF AGE	3	17	20	30	40	50	60	70	75
BREEDER COLONY CAGES									
Floor Space									
200 cm² (50 birds / m²)	400 cm² (25 birds / m²)		750 cm² (13 birds / m²)						
Nipple									
1 / 12 birds	1 / 8 birds		1 / 10 birds						
Feeders									
5 cm / bird	9 cm / bird		12 cm / bird						
SLATS / LITTER									
Floor Space									
700 cm² (14 birds / m²)	1000 cm² (10 birds / m²)		1000 cm² (10 birds / m²)						
Nipple / Cup Drinkers									
1 / 15 birds	1 / 15 birds		1 / 12 birds						
Feeders									
5 cm / bird	5 cm / bird or 1 pan / 50 birds		12 cm / bird						
Perches									
—	8 cm / bird		12 cm / bird						
WEEKS OF AGE	3	17	20	30	40	50	60	70	75

Requirements vary with type of equipment used and environmental conditions

Growing Period Target Weights

Age (weeks)	Female g	Male g
1	65	65
2	110	120
3	175	180
4	230	260
5	300	375
6	400	495
7	480	635
8	550	730
9	650	840
10	715	945
11	780	1040
12	860	1110
13	900	1200
14	970	1280
15	1030	1370
16	1100	1435
17	1170	1490
18	1200	1560

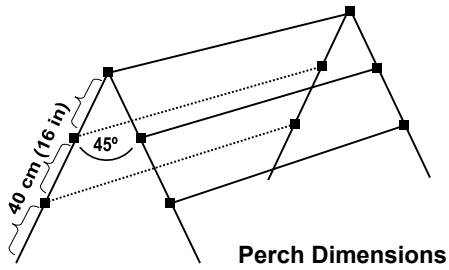
Floor Management Systems

Floor Space Requirements per Bird

Age	cm^2
0–8 weeks	700
8–17 weeks	1000
17+ weeks	1200

Perches

Bird Density	Perch Length per Bird
Birds/m^2	cm
7	2
8	4
9	6
10	8
11	10
12	12



Perch Dimensions

Space Recommendations* for Caged Breeders

	Growing	Laying
Bird Space	330–350 cm^2	630 cm^2
Feeder	7–8 cm	10 cm
Drinking System	1 per 8–10 birds	1 per 10 birds

* includes both males and females

Breeder Housing Ratios

Female	Male
100	10

Excess males must <u>not</u> be housed with females.

Parent Chick Management

Humidity is an important factor in chick comfort control. If possible, maintain 40–60% relative humidity when chicks are started. Humidity control becomes increasingly important when warm room brooding in cold climates. Humidity will normally be lowered to 30–40% by the end of the growing period.

Reduce temperatures 2–3ºC per week to 21ºC. Males must be intermingled with females by 4 weeks of age to ensure normal adult male mating behavior.

Brooding Temperatures	
Temperature at Edge of Hover	32ºC
Cage or Warm Room Temperature	32–33ºC

Controlling Egg Weight

It is recommended to closely monitor feed intake, body condition (through body weight and/or body scoring/fat-pad development), and egg weight of each flock and make nutritional changes as needed to ensure optimal production rate and egg weight. If smaller eggs are desired, the egg weight should be controlled even more aggressively at an early age.

Egg-weight control is achieved through a combination of limiting amino acid consumption and ensuring that the feed intake is not too high (achieved through control of the ambient temperature). To avoid excessively large eggs later in lay, use the peaking and second layer feeding phase diets for less time than shown in the Performance Standards Manual. This will provide a reduced level of added fat or oil, as well as amino acid contents, to control egg weight.

Control of ambient house temperature
At housing, an ambient temperature of 21 to 23˚C is desired. Increase the house temperature about 1˚C every 2 weeks until reaching a house temperature of 26 to 27˚C (assuming the ventilation systems are able to maintain adequate air quality at these temperatures). Lower (colder) house temperatures will lead to greater feed intakes and may be counterproductive to egg-weight control, as well as optimal feed efficiency and adult hen body weights.

Growing Period Feed Consumption

Age (weeks)	g/day per bird	Cumulative kg
1	13	0.09
2	16	0.20
3	19	0.34
4	29	0.54
5	38	0.81
6	41	1.09
7	43	1.39
8	46	1.72
9	48	2.05

Age (weeks)	g/day per bird	Cumulative kg
10	51	2.41
11	53	2.78
12	54	3.16
13	56	3.55
14	57	3.95
15	59	4.36
16	64	4.81
17	71	5.31
18	78	5.85

Laying Period Feed Consumption

Age (weeks)	g/day per bird	Cumulative kg
19	84	0.59
20	86	1.19
21	86	1.79
22	90	2.42
23	91	3.06
24	95	3.72
25	95	4.39
26	95	5.05
27	95	5.72
28	100	6.42
29	100	7.12
30	100	7.82
31	100	8.52
32	100	9.22
33	100	9.92
34	101	10.63
35	101	11.33
36	101	12.04
37	101	12.75
38	101	13.45
39	101	14.16
40	101	14.87
41	101	15.58
42	102	16.29
43	102	17.00
44	102	17.72
45	102	18.43
46	102	19.15
47	102	19.86

Age (weeks)	g/day per bird	Cumulative kg
48	102	20.57
49	102	21.29
50	102	22.00
51	103	22.72
52	103	23.44
53	103	24.16
54	103	24.89
55	103	25.61
56	103	26.33
57	103	27.05
58	103	27.77
59	104	28.50
60	104	29.23
61	104	29.95
62	104	30.68
63	105	31.42
64	105	32.15
65	105	32.89
66	106	33.63
67	106	34.37
68	106	35.11
69	106	35.85
70	107	36.60
71	107	37.35
72	107	38.10
73	107	38.85
74	107	39.60
75	107	40.35

Growing Period Target Weights

Age (weeks)	Female g	Male g
1	65	60
2	110	120
3	170	240
4	240	370
5	320	500
6	405	600
7	490	760
8	575	890
9	665	1010
10	755	1140
11	835	1250
12	910	1340
13	980	1500
14	1045	1570
15	1085	1660
16	1110	1730
17	1150	1780
18	1210	1820

Space Recommendations* for Caged Breeders

	Growing	Laying
Bird Space	330–350 cm^2	630 cm^2
Feeder	7–8 cm	10 cm
Drinking System	1 per 8–10 birds	1 per 10 birds

* includes both males and females

Breeder Housing Ratios

Female	Male
100	7
Excess males must <u>not</u> be housed with females.	

Parent Chick Management

Humidity is an important factor in chick comfort control. If possible, maintain 40–60% relative humidity when chicks are started. Humidity control becomes increasingly important when warm room brooding in cold climates. Humidity will normally be lowered to 30–40% by the end of the growing period.

Reduce temperatures 2–3ºC per week to 21ºC. Males must be intermingled with females by 4 weeks of age to ensure normal adult male mating behavior.

Brooding Temperatures	
Temperature at Edge of Hover	32ºC
Cage or Warm Room Temperature	32–33ºC

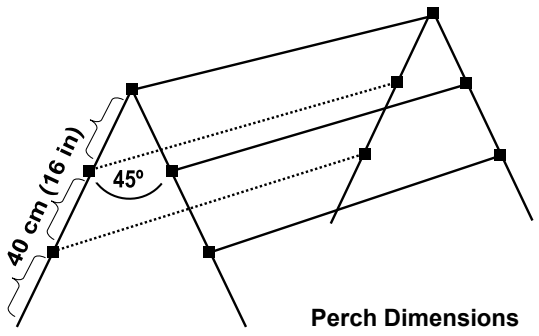
Floor Management Systems

Floor Space Requirements per Bird

Age	cm^2
0–8 weeks	700
8–17 weeks	1000
17+ weeks	1200

Perches

Bird Density	Perch Length per Bird
Birds/m^2	cm
7	2
8	4
9	6
10	8
11	10
12	12



Perch Dimensions

Growing Period Feed Consumption

Age (weeks)	g/day per bird	Cumulative kg
1	13	0.09
2	17	0.21
3	22	0.36
4	30	0.57
5	40	0.85
6	43	1.16
7	45	1.47
8	48	1.81
9	51	2.16

Age (weeks)	g/day per bird	Cumulative kg
10	54	2.54
11	56	2.93
12	57	3.33
13	59	3.75
14	62	4.18
15	66	4.64
16	71	5.14
17	77	5.68
18	83	6.26

Laying Period Feed Consumption

Age (weeks)	g/day per bird	Cumulative kg
19	80	0.56
20	84	1.15
21	86	1.75
22	90	2.38
23	92	3.02
24	96	3.70
25	100	4.40
26	102	5.11
27	102	5.82
28	103	6.55
29	103	7.27
30	104	7.99
31	104	8.72
32	104	9.45
33	105	10.19
34	105	10.92
35	105	11.66
36	106	12.40
37	106	13.14
38	106	13.88
39	106	14.62
40	106	15.37
41	106	16.11
42	107	16.86
43	107	17.61
44	107	18.35
45	107	19.10
46	107	19.85
47	108	20.61

Age (weeks)	g/day per bird	Cumulative kg
48	108	21.36
49	108	22.12
50	108	22.88
51	108	23.63
52	109	24.40
53	109	25.16
54	109	25.92
55	109	26.68
56	109	27.45
57	110	28.22
58	110	28.99
59	110	29.76
60	110	30.53
61	110	31.30
62	110	32.07
63	111	32.84
64	111	33.62
65	111	34.40
66	111	35.18
67	111	35.95
68	111	36.73
69	111	37.51
70	112	38.29
71	112	39.07
72	112	39.86
73	112	40.64
74	112	41.43
75	112	42.21

Growing Period Target Weights

Age (weeks)	Female g	Male g
1	65	60
2	130	120
3	190	180
4	250	260
5	320	380
6	400	490
7	485	625
8	570	730
9	650	830
10	730	960
11	810	1050
12	880	1110
13	945	1190
14	1005	1250
15	1065	1320
16	1120	1380
17	1170	1420
18	1220	1480

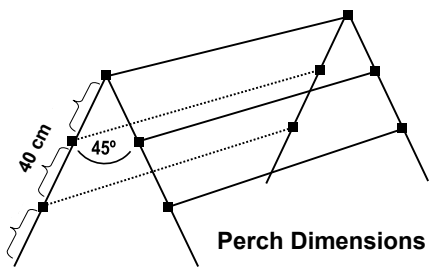
Floor Management Systems

Floor Space Requirements per Bird

Age	cm^2
0–8 weeks	700
8–17 weeks	1000
17+ weeks	1200

Perches

Bird Density	Perch Length per Bird
Birds/m^2	cm
7	2
8	4
9	6
10	8
11	10
12	12



Perch Dimensions

Space Recommendations* for Caged Breeders

	Growing	Laying
Bird Space	330–350 cm^2	630 cm^2
Feeder	7–8 cm	10 cm
Drinking System	1 per 8–10 birds	1 per 10 birds

* includes both males and females

Breeder Housing Ratios

Female	Male
100	8

Excess males must <u>not</u> be housed with females.

Parent Chick Management

Humidity is an important factor in chick comfort control. If possible, maintain 40–60% relative humidity when chicks are started. Humidity control becomes increasingly important when warm room brooding in cold climates. Humidity will normally be lowered to 30–40% by the end of the growing period.

Reduce temperatures 2–3ºC per week to 21ºC. Males must be intermingled with females by 4 weeks of age to ensure normal adult male mating behavior.

Brooding Temperatures	
Temperature at Edge of Hover	32ºC
Cage or Warm Room Temperature	32–33ºC

Controlling Egg Weight

It is recommended to closely monitor feed intake, body condition (through body weight and/or body scoring/fat-pad development), and egg weight of each flock and make nutritional changes as needed to ensure optimal production rate and egg weight. If smaller eggs are desired, the egg weight should be controlled even more aggressively at an early age.

Egg-weight control is achieved through a combination of limiting amino acid consumption and ensuring that the feed intake is not too high (achieved through control of the ambient temperature). To avoid excessively large eggs later in lay, use the peaking and second layer feeding phase diets for less time than shown in the Performance Standards Manual. This will provide a reduced level of added fat or oil, as well as amino acid contents, to control egg weight.

Control of ambient house temperature
At housing, an ambient temperature of 21 to 23˚C is desired. Increase the house temperature about 1˚C every 2 weeks until reaching a house temperature of 26 to 27˚C (assuming the ventilation systems are able to maintain adequate air quality at these temperatures). Lower (colder) house temperatures will lead to greater feed intakes and may be counterproductive to egg-weight control, as well as optimal feed efficiency and adult hen body weights.

Growing Period Feed Consumption

Age (weeks)	g/day per bird	Cumulative kg
1	11	0.08
2	17	0.20
3	23	0.36
4	28	0.55
5	32	0.78
6	36	1.03
7	40	1.31
8	44	1.62
9	48	1.95

Age (weeks)	g/day per bird	Cumulative kg
10	52	2.32
11	56	2.71
12	60	3.13
13	64	3.58
14	67	4.05
15	70	4.54
16	73	5.05
17	77	5.59
18	82	6.16

Laying Period Feed Consumption

Age (weeks)	g/day per bird	Cumulative kg
19	85	0.60
20	89	1.22
21	91	1.86
22	95	2.52
23	97	3.20
24	101	3.91
25	105	4.64
26	107	5.39
27	107	6.14
28	108	6.90
29	108	7.65
30	109	8.41
31	109	9.18
32	109	9.94
33	110	10.71
34	110	11.48
35	110	12.25
36	111	13.03
37	111	13.80
38	111	14.58
39	111	15.36
40	111	16.14
41	111	16.91
42	112	17.70
43	112	18.48
44	112	19.26
45	112	20.05
46	112	20.83
47	113	21.62

Age (weeks)	g/day per bird	Cumulative kg
48	113	22.41
49	113	23.21
50	113	24.00
51	113	24.79
52	114	25.59
53	114	26.38
54	114	27.18
55	114	27.98
56	114	28.78
57	115	29.58
58	115	30.39
59	115	31.19
60	115	32.00
61	115	32.80
62	115	33.61
63	116	34.42
64	116	35.23
65	116	36.04
66	115	36.85
67	115	37.65
68	115	38.46
69	115	39.26
70	114	40.06
71	114	40.86
72	114	41.66
73	114	42.46
74	114	43.25
75	114	44.05

Growing Period Target Weights

Age (weeks)	Female	Male
	g	g
1	60	70
2	120	140
3	165	210
4	270	290
5	330	410
6	420	550
7	550	650
8	660	790
9	770	980
10	870	1120
11	1010	1280
12	1070	1400
13	1200	1540
14	1270	1670
15	1340	1810
16	1380	1880
17	1420	1940
18	1460	2010

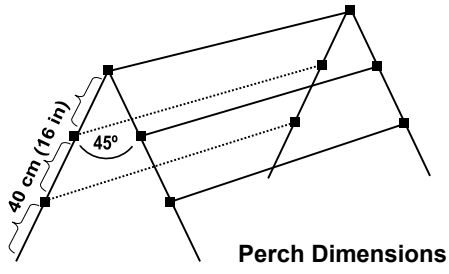
Floor Management Systems

Floor Space Requirements per Bird

Age	cm^2
0–8 weeks	700
8–17 weeks	1150
17+ weeks	1625

Perches

Bird Density	Perch Length per Bird
$birds/m^2$	cm
7	4
8	6
9	8
10	12
11	13
12	14



Perch Dimensions

Space Recommendations* for Caged Breeders

	Growing	Laying
Bird Space	380–400 cm^2	700–710 cm^2
Feeder	8–9 cm	10 cm
Drinking System	1 per 8–10 birds	1 per 10 birds

* includes both males and females

Breeder Housing Ratios

Female	Male
100	7

Excess males must <u>not</u> be housed with females.

Parent Chick Management

Humidity is an important factor in chick comfort control. If possible, maintain 40–60% relative humidity when chicks are started. Humidity control becomes increasingly important when warm room brooding in cold climates. Humidity will normally be lowered to 30–40% by the end of the growing period.

Reduce temperatures 2–3ºC per week to 21ºC. Males must be intermingled with females by 4 weeks of age to ensure normal adult male mating behavior.

Brooding Temperatures	
Temperature at Edge of Hover	35ºC
Cage or Warm Room Temperature	33–35ºC

Controlling Egg Weight

It is recommended to closely monitor feed intake, body condition (through body weight and/or body scoring/fat-pad development), and egg weight of each flock and make nutritional changes as needed to ensure optimal production rate and egg weight. If smaller eggs are desired, the egg weight should be controlled even more aggressively at an early age.

Egg-weight control is achieved through a combination of limiting amino acid consumption and ensuring that the feed intake is not too high (achieved through control of the ambient temperature). To avoid excessively large eggs later in lay, use the peaking and second layer feeding phase diets for less time than shown in the Performance Standards Manual. This will provide a reduced level of added fat or oil, as well as amino acid contents, to control egg weight.

Control of ambient house temperature
At housing, an ambient temperature of 21 to 23˚C is desired. Increase the house temperature about 1˚C every 2 weeks until reaching a house temperature of 26 to 27˚C (assuming the ventilation systems are able to maintain adequate air quality at these temperatures). Lower (colder) house temperatures will lead to greater feed intakes and may be counterproductive to egg-weight control, as well as optimal feed efficiency and adult hen body weights.

Growing Period Feed Consumption

Age (weeks)	g/day per bird	Cumulative kg
1	13	0.09
2	20	0.23
3	25	0.41
4	29	0.61
5	33	0.84
6	37	1.10
7	41	1.39
8	46	1.71
9	51	2.07
10	56	2.46
11	61	2.88
12	66	3.35
13	70	3.84
14	73	4.35
15	75	4.87
16	77	5.41
17	80	5.97
18	83	6.55

Laying Period Feed Consumption

Age (weeks)	g/day per bird	Cumulative kg
19	86	0.60
20	89	1.23
21	92	1.87
22	95	2.53
23	98	3.22
24	100	3.92
25	103	4.64
26	105	5.38
27	106	6.12
28	108	6.87
29	108	7.63
30	108	8.39
31	109	9.15
32	109	9.91
33	110	10.68
34	110	11.45
35	110	12.22
36	110	12.99
37	111	13.77
38	111	14.55
39	111	15.32
40	111	16.10
41	111	16.88
42	111	17.65
43	111	18.43
44	111	19.21
45	111	19.99
46	111	20.76
47	111	21.54
48	111	22.32
49	111	23.09
50	111	23.87
51	112	24.65
52	112	25.44
53	112	26.22
54	112	27.01
55	112	27.79
56	112	28.57
57	112	29.36
58	112	30.14
59	112	30.93
60	112	31.71
61	112	32.49
62	112	33.28
63	112	34.06
64	112	34.85
65	112	35.63
66	112	36.41
67	112	37.20
68	112	37.98
69	112	38.77
70	112	39.55
71	112	40.33
72	112	41.12
73	112	41.90
74	112	42.69
75	112	43.47

Growing Period Target Weights

Age (weeks)	Female	Male
	g	g
1	65	70
2	110	140
3	175	200
4	230	320
5	300	450
6	400	590
7	480	730
8	550	900
9	650	1060
10	715	1200
11	780	1340
12	860	1460
13	900	1600
14	970	1730
15	1030	1850
16	1100	1950
17	1170	2040
18	1200	2120

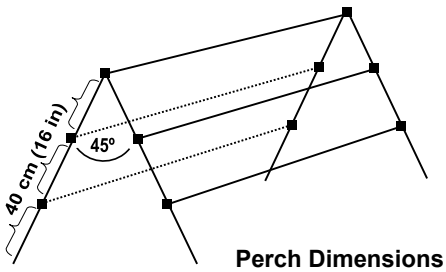
Floor Management Systems

Floor Space Requirements per Bird

Age	cm^2
0–8 weeks	700
8–17 weeks	1000
17+ weeks	1200

Perches

Bird Density	Perch Length per Bird
birds/m^2	cm
7	2
8	4
9	6
10	8
11	10
12	12



Perch Dimensions

Space Recommendations* for Caged Breeders

	Growing	Laying
Bird Space	330–350 cm^2	630 cm^2
Feeder	7–8 cm	10 cm
Drinking System	1 per 8–10 birds	1 per 10 birds

* includes both males and females

Breeder Housing Ratios

Female	Male
100	8
Excess males must <u>not</u> be housed with females.	

Parent Chick Management

Humidity is an important factor in chick comfort control. If possible, maintain 40–60% relative humidity when chicks are started. Humidity control becomes increasingly important when warm room brooding in cold climates. Humidity will normally be lowered to 30–40% by the end of the growing period.

Reduce temperatures 2–3ºC per week to 21ºC. Males must be intermingled with females by 4 weeks of age to ensure normal adult male mating behavior.

Brooding Temperatures	
Temperature at Edge of Hover	32ºC
Cage or Warm Room Temperature	32–33ºC

Controlling Egg Weight

It is recommended to closely monitor feed intake, body condition (through body weight and/or body scoring/fat-pad development), and egg weight of each flock and make nutritional changes as needed to ensure optimal production rate and egg weight. If smaller eggs are desired, the egg weight should be controlled even more aggressively at an early age.

Egg-weight control is achieved through a combination of limiting amino acid consumption and ensuring that the feed intake is not too high (achieved through control of the ambient temperature). To avoid excessively large eggs later in lay, use the peaking and second layer feeding phase diets for less time than shown in the Performance Standards Manual. This will provide a reduced level of added fat or oil, as well as amino acid contents, to control egg weight.

Control of ambient house temperature
At housing, an ambient temperature of 21 to 23˚C is desired. Increase the house temperature about 1˚C every 2 weeks until reaching a house temperature of 26 to 27˚C (assuming the ventilation systems are able to maintain adequate air quality at these temperatures). Lower (colder) house temperatures will lead to greater feed intakes and may be counterproductive to egg-weight control, as well as optimal feed efficiency and adult hen body weights.

Growing Period Feed Consumption

Age (weeks)	g/day per bird	Cumulative kg
1	13	0.09
2	16	0.20
3	19	0.34
4	29	0.54
5	38	0.81
6	41	1.09
7	43	1.39
8	46	1.72
9	48	2.05
10	51	2.41
11	53	2.78
12	54	3.16
13	56	3.55
14	57	3.95
15	59	4.36
16	64	4.81
17	71	5.31
18	78	5.85

Laying Period Feed Consumption

Age (weeks)	g/day per bird	Cumulative kg
19	84	0.59
20	86	1.19
21	86	1.79
22	90	2.42
23	91	3.06
24	95	3.72
25	95	4.39
26	95	5.05
27	95	5.72
28	100	6.42
29	100	7.12
30	100	7.82
31	100	8.52
32	100	9.22
33	100	9.92
34	101	10.63
35	101	11.33
36	101	12.04
37	101	12.75
38	101	13.45
39	101	14.16
40	101	14.87
41	101	15.58
42	102	16.29
43	102	17.00
44	102	17.72
45	102	18.43
46	102	19.15
47	102	19.86
48	102	20.57
49	102	21.29
50	102	22.00
51	103	22.72
52	103	23.44
53	103	24.16
54	103	24.89
55	103	25.61
56	103	26.33
57	103	27.05
58	103	27.77
59	104	28.50
60	104	29.23
61	104	29.95
62	104	30.68
63	105	31.42
64	105	32.15
65	105	32.89
66	106	33.63
67	106	34.37
68	106	35.11
69	106	35.85
70	107	36.60
71	107	37.35
72	107	38.10
73	107	38.85
74	107	39.60
75	107	40.35