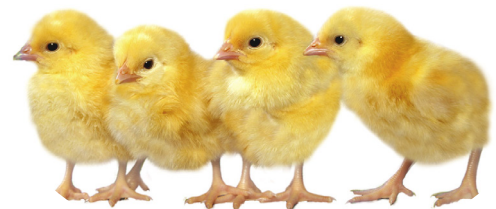




An Aviagen Brand

INDIAN RIVER

Parent Stock Performance Objectives



INTRODUCTION

This booklet contains the performance objectives for **Indian River® parent stock (slow feathering)** and should be used in conjunction with the **Indian River Parent Stock Management Handbook**.

PERFORMANCE

Poultry production is a global activity, but across the world there are differing management strategies adapted to local conditions.

These performance objectives are for birds that receive the first light stimulation after 21 weeks (147 days) of age. This is the most common strategy used worldwide as it gives distinct advantages in early egg size, chick numbers and broiler chick quality.

Achieving the genetic potential of the birds depends on:

- Management to provide birds with their required environment.
- A dietary regime that provides the appropriate nutrients.
- Effective biosecurity and disease control.

If any one of these elements is sub-optimal, performance will suffer. The three sectors, environment, nutrition and health, are also interdependent; a problem in any one will result in a negative response by the bird to the other factors.

Data contained within this booklet indicates the performance that can be achieved under good management and environmental condition and when feeding the recommended nutrient levels. They should be therefore regarded as “Performance Objectives” and not specifications. In practice, variations in performance may occur for a wide variety of reasons. For example, feed consumption can be affected significantly by form of feed, energy level and house temperature.

While every attempt has been made to ensure the accuracy and relevance of the information presented, Aviagen® accepts no liability for the consequence of using this information to manage parent stock.

All weight measurements are shown in both metric and imperial to reflect the global nature of this publication. **All imperial measurements are shown in red.**

In the tables, values are rounded. This may result in small inaccuracies when using the objectives to calculate other performance statistics.

For further information on the management of Indian River stock, please contact your local Indian River representative.

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PERFORMANCE SUMMARY

The figures outlined below are for birds light-stimulated **after** 21 weeks (147 days).

Summary of 40 weeks of production

Age at depletion (days)	448	448
(weeks)	64	64
Total Eggs (HHA)*	187.5	187.5
Hatching Eggs (HHA)*	179.0	179.0
Chicks/female housed at 175 days (25 weeks)	155.0	155.0
Hatchability %	86.6	86.6
Age at 5% Production (days)	175	175
(weeks)	25	25
Peak Production %	88.5	88.5
Body weight (g) at 175 days (25 weeks)**	2965-3085 g	6.5-6.8 lb
Body weight (g) at depletion**	4095-4210 g	9.0-9.3 lb
Liveability % (rearing period)	95-96	95-96
Liveability % (laying period)	92	92
Feed/100 Chicks (kg) day old - 448 days (0-64 weeks)***	36.0 kg	79.4 lb
Feed/100 Hatching Eggs (kg) day old - 448 days 0-64 weeks)***	31.2 kg	68.8 lb

* *Hen-Housed Average.*

** *Body-weight ranges at 175 days (25 weeks) and at depletion are those for in-season and out-of-season females.*

*** *Feed amounts expressed in the table do not include male feed allocations.*

Indian River Parent Stock Performance Objectives

FEMALE BODY WEIGHT AND FEEDING PROGRAM: In-Season

Age (days)	Age (weeks)	Body Weight (g)	Weekly Gain (g)	Feed (g/bird/day)	Body Weight (lb)	Weekly Gain (lb)	Feed (lb/100/day)	Energy Intake (kcal/bird/day)*
Day old	0	40		ad lib	0.09		ad lib	ad lib
7	1	115	75	20	0.25	0.16	4.3	55
14	2	215	100	26	0.47	0.22	5.7	72
21	3	340	125	31	0.75	0.28	6.7	85
28	4	470	130	34	1.04	0.29	7.5	96
35	5	590	120	37	1.30	0.26	8.2	104
42	6	700	110	40	1.54	0.24	8.8	112
49	7	800	100	43	1.76	0.22	9.5	120
56	8	900	100	46	1.98	0.22	10.2	129
63	9	1000	100	49	2.20	0.22	10.9	139
70	10	1100	100	53	2.43	0.23	11.7	148
77	11	1200	100	56	2.65	0.22	12.4	158
84	12	1300	100	60	2.87	0.22	13.2	168
91	13	1400	100	64	3.09	0.22	14.0	178
98	14	1500	100	67	3.31	0.22	14.8	188
105	15	1600	100	71	3.53	0.22	15.6	199
112	16	1705	105	75	3.76	0.23	16.5	210
119	17	1815	110	80	4.00	0.24	17.6	223
126	18	1940	125	86	4.28	0.28	19.0	241
133	19	2090	150	92	4.61	0.33	20.2	256
140	20	2240	150	97	4.94	0.33	21.4	271
147	21	2395	155	101	5.28	0.34	22.4	284
154	22	2545	150	106	5.61	0.33	23.3	296
161	23	2695	150	110	5.94	0.33	24.2	308
168	24	2840	145	115	6.26	0.32	25.3	321
175	25	2965	125	125	6.54	0.28	27.5	350
182	26	3075	110	143	6.78	0.24	31.5	400
189	27	3175	100	157	7.00	0.22	34.7	441
196	28	3270	95	168	7.21	0.21	36.9	469
203	29	3360	90	168	7.41	0.20	36.9	469
210	30	3410	50	168	7.52	0.11	36.9	469
217	31	3455	45	168	7.62	0.10	36.9	469
224	32	3495	40	168	7.71	0.09	36.9	469
231	33	3540	45	168	7.80	0.09	36.9	469
238	34	3580	40	168	7.89	0.09	36.9	469
245	35	3610	30	168	7.96	0.07	36.9	469
252	36	3640	30	167	8.02	0.06	36.7	467
259	37	3665	25	166	8.08	0.06	36.6	465
266	38	3690	25	166	8.14	0.06	36.6	465
273	39	3715	25	165	8.19	0.05	36.5	463
280	40	3735	20	165	8.23	0.04	36.3	462
287	41	3755	20	164	8.28	0.05	36.3	461
294	42	3775	20	164	8.32	0.04	36.1	459
301	43	3795	20	164	8.37	0.05	36.1	458
308	44	3815	20	163	8.41	0.04	36.0	457
315	45	3835	20	163	8.45	0.04	35.9	456
322	46	3855	20	162	8.50	0.05	35.8	455
329	47	3875	20	162	8.54	0.04	35.8	454
336	48	3895	20	162	8.59	0.05	35.6	453
343	49	3915	20	161	8.63	0.04	35.6	452
350	50	3935	20	161	8.68	0.05	35.5	451
357	51	3955	20	160	8.72	0.04	35.3	449
364	52	3970	15	160	8.75	0.03	35.2	447
371	53	3985	15	159	8.79	0.04	35.0	445
378	54	3995	10	158	8.81	0.02	34.8	442
385	55	4005	10	158	8.83	0.02	34.7	441
392	56	4015	10	157	8.85	0.02	34.6	440
399	57	4025	10	157	8.87	0.02	34.5	438
406	58	4035	10	156	8.90	0.03	34.4	437
413	59	4045	10	156	8.92	0.02	34.3	436
420	60	4055	10	155	8.94	0.02	34.2	435
427	61	4065	10	155	8.96	0.02	34.1	433
434	62	4075	10	154	8.98	0.02	34.0	432
441	63	4085	10	154	9.01	0.03	33.9	431
448	64	4095	10	153	9.03	0.02	33.8	429

* Feed quantities are a guide only, based on recommended dietary energy levels of 2800 kcal ME/kg (1270 kcal ME/lb). Adjustments must be made to reflect feeding differing energy levels.

NOTES

Body weights are based on a feed day, 4-6 hours after feeding.

Weekly body-weight gain beyond 39 weeks (273 days) should average approximately 10-20 g (0.02-0.05 lb).

Indian River Parent Stock Performance Objectives

FEMALE BODY WEIGHT AND FEEDING PROGRAM: Out-of-Season

Age (days)	Age (weeks)	Body Weight (g)	Weekly Gain (g)	Feed (g/bird/day)	Body Weight (lb)	Weekly Gain (lb)	Feed (lb/100/day)	Energy Intake (kcal/bird/day)*
Day old	0	40		ad lib	0.09		ad lib	ad lib
7	1	115	75	20	0.25	0.16	4.3	55
14	2	215	100	25	0.47	0.22	5.5	69
21	3	330	115	30	0.73	0.26	6.7	85
28	4	465	135	34	1.03	0.30	7.5	95
35	5	585	120	37	1.29	0.26	8.2	104
42	6	695	110	40	1.53	0.24	8.7	111
49	7	795	100	43	1.75	0.22	9.5	121
56	8	905	110	47	2.00	0.25	10.4	132
63	9	1015	110	51	2.24	0.24	11.2	142
70	10	1125	110	54	2.48	0.24	12.0	152
77	11	1235	110	58	2.72	0.24	12.7	161
84	12	1335	100	61	2.94	0.22	13.4	170
91	13	1435	100	64	3.16	0.22	14.1	180
98	14	1535	100	68	3.38	0.22	15.0	191
105	15	1645	110	73	3.63	0.25	16.2	206
112	16	1775	130	79	3.91	0.28	17.4	221
119	17	1915	140	84	4.22	0.31	18.5	235
126	18	2055	140	89	4.53	0.31	19.6	248
133	19	2195	140	93	4.84	0.31	20.5	260
140	20	2335	140	99	5.15	0.31	21.8	278
147	21	2500	165	105	5.51	0.36	23.2	295
154	22	2670	170	109	5.89	0.38	24.1	306
161	23	2820	150	112	6.22	0.33	24.8	314
168	24	2960	140	117	6.53	0.31	25.8	328
175	25	3085	125	127	6.80	0.27	28.0	355
182	26	3190	105	144	7.03	0.23	31.7	403
189	27	3275	85	159	7.22	0.19	35.0	445
196	28	3370	95	170	7.43	0.21	37.4	475
203	29	3455	85	170	7.62	0.19	37.4	475
210	30	3515	60	170	7.75	0.13	37.4	475
217	31	3565	50	170	7.86	0.11	37.4	475
224	32	3610	45	170	7.96	0.10	37.4	475
231	33	3655	45	170	8.06	0.10	37.4	475
238	34	3695	40	170	8.15	0.09	37.4	475
245	35	3725	30	170	8.21	0.06	37.4	475
252	36	3755	30	169	8.28	0.07	37.2	472
259	37	3780	25	168	8.33	0.05	37.1	471
266	38	3805	25	168	8.39	0.06	37.0	470
273	39	3830	25	167	8.44	0.05	36.9	469
280	40	3850	20	167	8.49	0.05	36.8	467
287	41	3870	20	166	8.53	0.04	36.7	466
294	42	3890	20	166	8.58	0.05	36.6	464
301	43	3910	20	166	8.62	0.04	36.5	464
308	44	3930	20	165	8.66	0.04	36.4	462
315	45	3950	20	165	8.71	0.05	36.4	462
322	46	3970	20	164	8.75	0.04	36.2	460
329	47	3990	20	164	8.80	0.05	36.2	459
336	48	4010	20	164	8.84	0.04	36.1	458
343	49	4030	20	163	8.88	0.04	36.0	457
350	50	4050	20	163	8.93	0.05	35.9	456
357	51	4070	20	162	8.97	0.04	35.8	454
364	52	4085	15	162	9.01	0.04	35.6	452
371	53	4100	15	161	9.04	0.03	35.4	450
378	54	4110	10	160	9.06	0.02	35.2	447
385	55	4120	10	159	9.08	0.02	35.1	446
392	56	4130	10	159	9.11	0.03	35.0	445
399	57	4140	10	158	9.13	0.02	34.9	443
406	58	4150	10	158	9.15	0.02	34.8	442
413	59	4160	10	157	9.17	0.02	34.7	441
420	60	4170	10	157	9.19	0.02	34.6	440
427	61	4180	10	157	9.22	0.03	34.5	439
434	62	4190	10	156	9.24	0.02	34.4	437
441	63	4200	10	156	9.26	0.02	34.3	436
448	64	4210	10	155	9.28	0.02	34.2	435

* Feed quantities are a guide only, based on recommended dietary energy levels of 2800 kcal ME/kg (1270 kcal ME/lb). Adjustments must be made to reflect feeding differing energy levels.

NOTES

Body weights are based on a feed day, 4-6 hours after feeding.

Weekly body-weight gain beyond 39 weeks (273 days) should average approximately 10-20 g (0.02-0.05 lb).

FEMALE IN-SEASON FEEDING INTO LAY

Hen-Day (%)	Daily Energy Intake (kcal ME/bird/day)*	Feed Intake (g/bird/day)	Feed Increase (g/bird/day)
5	350	125	
10	356	127	2
15	361	129	2
20	367	131	2
25	375	134	3
30	384	137	3
35	392	140	3
40	403	144	4
45	414	148	4
50	426	152	4
55	440	157	5
65	454	162	5
>75	469	168	6

FEMALE OUT-OF-SEASON FEEDING INTO LAY

Hen-Day (%)	Daily Energy Intake (kcal ME/bird/day)*	Feed Intake (g/bird/day)	Feed Increase (g/bird/day)
5	355	127	
10	361	129	2
15	366	131	2
20	372	133	2
25	380	136	3
30	389	139	3
35	397	142	3
40	408	146	4
45	419	150	4
50	431	154	4
55	445	159	5
65	459	164	5
>75	475	170	6

* Daily energy and feed intakes are based on current recommended dietary levels of energy [2800 kcal ME/kg (1270 kcal ME/lb)] and assuming an ambient temperature of 20-21°C (68-70°F).

NOTES

Feeding program should be adjusted according to actual feed intake at 5% hen-day production. It may be necessary to adjust feed amounts daily (rather than every 5% as given in the table), taking into account the rate of daily production. Adjustments to feed amounts will need to be made if dietary energy levels are different to those recommended or if environmental temperatures are warmer or cooler than assumed here.

Indian River Parent Stock Performance Objectives

MALE BODY WEIGHT AND FEEDING PROGRAM

Age (days)	Age (weeks)	Body Weight (g)	Weekly Gain (g)	Feed (g/bird/day)	Body Weight (lb)	Weekly Gain (lb)	Feed (lb/100/day)	Energy Intake (kcal/bird/day)*
Day Old	0	40		ad lib	0.09		ad lib	ad lib
7	1	145	105	33	0.32	0.23	7.2	92
14	2	310	165	42	0.68	0.36	9.3	118
21	3	515	205	49	1.14	0.46	10.8	137
28	4	745	230	54	1.64	0.50	11.9	152
35	5	935	190	58	2.06	0.42	12.8	162
42	6	1120	185	61	2.47	0.41	13.4	170
49	7	1270	150	63	2.80	0.33	13.9	177
56	8	1410	140	65	3.11	0.31	14.4	183
63	9	1535	125	67	3.38	0.27	14.8	188
70	10	1655	120	69	3.65	0.27	15.3	194
77	11	1780	125	72	3.92	0.27	15.8	200
84	12	1900	120	74	4.19	0.27	16.4	208
91	13	2015	115	77	4.44	0.25	17.0	216
98	14	2135	120	80	4.71	0.27	17.6	224
105	15	2260	125	83	4.98	0.27	18.4	233
112	16	2390	130	87	5.27	0.29	19.1	243
119	17	2530	140	90	5.58	0.31	19.8	252
126	18	2680	150	93	5.91	0.33	20.6	262
133	19	2835	155	98	6.25	0.34	21.5	273
140	20	3000	165	102	6.61	0.36	22.5	286
147	21	3165	165	107	6.98	0.37	23.5	299
154	22	3340	175	112	7.36	0.38	24.7	313
161	23	3520	180	118	7.76	0.40	26.0	330
168	24	3700	180	121	8.16	0.40	26.7	340
175	25	3830	130	123	8.44	0.28	27.1	344
182	26	3920	90	124	8.64	0.20	27.4	348
189	27	3990	70	125	8.80	0.16	27.6	351
196	28	4055	65	126	8.94	0.14	27.8	353
203	29	4080	25	127	8.99	0.05	28.0	355
210	30	4110	30	128	9.06	0.07	28.1	357
217	31	4140	30	128	9.13	0.07	28.3	360
224	32	4170	30	129	9.19	0.06	28.5	362
231	33	4200	30	130	9.26	0.07	28.7	365
238	34	4230	30	131	9.33	0.07	28.9	367
245	35	4260	30	132	9.39	0.06	29.1	370
252	36	4290	30	133	9.46	0.07	29.3	372
259	37	4320	30	134	9.52	0.06	29.5	375
266	38	4350	30	135	9.59	0.07	29.7	377
273	39	4380	30	136	9.66	0.07	29.9	380
280	40	4410	30	136	9.72	0.06	30.1	382
287	41	4440	30	137	9.79	0.07	30.3	384
294	42	4470	30	138	9.85	0.06	30.5	387
301	43	4500	30	139	9.92	0.07	30.6	389
308	44	4530	30	140	9.99	0.07	30.8	392
315	45	4560	30	141	10.05	0.06	31.0	394
322	46	4590	30	141	10.12	0.07	31.2	396
329	47	4620	30	142	10.19	0.07	31.4	398
336	48	4650	30	143	10.25	0.06	31.5	401
343	49	4680	30	144	10.32	0.07	31.7	403
350	50	4710	30	145	10.38	0.06	31.9	405
357	51	4740	30	145	10.45	0.07	32.1	407
364	52	4770	30	146	10.52	0.07	32.2	409
371	53	4800	30	147	10.58	0.06	32.4	411
378	54	4830	30	148	10.65	0.07	32.5	413
385	55	4860	30	148	10.71	0.06	32.7	415
392	56	4890	30	149	10.78	0.07	32.8	417
399	57	4920	30	150	10.85	0.07	33.0	419
406	58	4950	30	150	10.91	0.06	33.1	421
413	59	4980	30	151	10.98	0.07	33.3	422
420	60	5010	30	151	11.05	0.07	33.4	424
427	61	5040	30	152	11.11	0.06	33.5	426
434	62	5070	30	153	11.18	0.07	33.6	427
441	63	5100	30	153	11.24	0.06	33.7	429
448	64	5130	30	154	11.31	0.07	33.9	430

* Feed quantities are a guide only, based on recommended dietary energy levels of 2800 kcal ME/kg (1270 kcal ME/lb). Adjustments must be made to reflect feeding differing energy levels.

NOTES

Body weights are those 4-6 hours after feeding.

This profile allows the male to reach sexual maturity by female first egg. Weekly body-weight gain beyond 29 weeks (203 days) should average approximately 30 g (0.06-0.7 lb)

Field performance has shown that this practice ensures that the body condition of the males is not compromised so they will maintain the best possible fertility levels.

Indian River Parent Stock Performance Objectives

WEEKLY EGG PRODUCTION

Week of Production	Age (days)	Age (weeks)	Hen-Housed %	Hen-Week %*	Eggs/Bird/Week Hen-Housed	Eggs/Bird/Cum. Hen-Housed	Hatching Eggs/Bird Week**	Hatching Eggs/Bird Cum.	Hatching Egg Utilization Weekly	Hatching Egg Utilization Cum.
1	175	25	5.6	5.6	0.4	0.4				
2	182	26	23.4	23.5	1.6	2.0	1.2	1.2	73.7	59.5
3	189	27	53.8	54.1	3.8	5.8	3.3	4.5	87.6	77.8
4	196	28	75.1	75.7	5.3	11.0	4.8	9.3	91.1	84.1
5	203	29	84.1	84.9	5.9	16.9	5.5	14.8	93.6	87.4
6	210	30	87.8	88.9	6.1	23.1	5.9	20.7	95.3	89.5
7	217	31	88.5	89.8	6.2	29.3	6.0	26.6	96.1	90.9
8	224	32	87.7	89.1	6.1	35.4	6.0	32.6	97.1	92.0
9	231	33	86.4	88.0	6.0	41.5	5.9	38.4	96.9	92.7
10	238	34	85.1	86.8	6.0	47.4	5.8	44.2	96.8	93.2
11	245	35	83.8	85.7	5.9	53.3	5.7	49.9	97.0	93.6
12	252	36	82.7	84.7	5.8	59.1	5.6	55.5	96.9	94.0
13	259	37	81.5	83.7	5.7	64.8	5.5	61.0	96.8	94.2
14	266	38	80.1	82.4	5.6	70.4	5.4	66.5	96.8	94.4
15	273	39	79.0	81.4	5.5	75.9	5.3	71.8	96.7	94.6
16	280	40	77.8	80.4	5.4	81.4	5.3	77.1	96.6	94.7
17	287	41	76.7	79.4	5.4	86.7	5.2	82.2	96.6	94.8
18	294	42	75.5	78.3	5.3	92.0	5.1	87.3	96.5	94.9
19	301	43	74.1	77.0	5.2	97.2	5.0	92.3	96.5	95.0
20	308	44	73.1	76.1	5.1	102.3	4.9	97.3	96.4	95.1
21	315	45	71.8	75.0	5.0	107.3	4.8	102.1	96.3	95.1
22	322	46	70.8	74.1	5.0	112.3	4.8	106.9	96.3	95.2
23	329	47	69.5	72.9	4.9	117.2	4.7	111.6	96.2	95.2
24	336	48	68.4	71.8	4.8	121.9	4.6	116.2	96.2	95.3
25	343	49	67.1	70.6	4.7	126.6	4.5	120.7	96.1	95.3
26	350	50	66.1	69.7	4.6	131.3	4.4	125.1	96.1	95.3
27	357	51	64.8	68.5	4.5	135.8	4.4	129.5	96.0	95.4
28	364	52	63.7	67.4	4.5	140.3	4.3	133.8	96.0	95.4
29	371	53	62.5	66.4	4.4	144.6	4.2	138.0	96.0	95.4
30	378	54	61.5	65.4	4.3	148.9	4.1	142.1	95.9	95.4
31	385	55	60.1	64.1	4.2	153.2	4.0	146.1	95.9	95.4
32	392	56	59.1	63.1	4.1	157.3	4.0	150.1	95.8	95.4
33	399	57	58.0	62.0	4.1	161.3	3.9	154.0	95.8	95.4
34	406	58	56.8	61.0	4.0	165.3	3.8	157.8	95.8	95.4
35	413	59	55.7	59.9	3.9	169.2	3.7	161.5	95.7	95.5
36	420	60	54.5	58.8	3.8	173.0	3.7	165.2	95.7	95.5
37	427	61	53.5	57.8	3.7	176.8	3.6	168.8	95.6	95.5
38	434	62	52.4	56.7	3.7	180.5	3.5	172.3	95.6	95.5
39	441	63	51.1	55.4	3.6	184.0	3.4	175.7	95.6	95.5
40	448	64	50.1	54.4	3.5	187.5	3.4	179.0	95.7	95.5

* Hen-week (%) is based on the assumption that cumulative mortality in lay is 8% with 0.2% mortality per week.

** A hatching egg is considered to be an egg which is 50 g (21.2 oz/dozen) or heavier.

WEEKLY HATCHABILITY AND CHICK PRODUCTION

Week of Production	Age (days)	Age (weeks)	% Hatch All Eggs*	% Cum. Hatchability	Chicks/Week Hen-Housed	Cum. Chicks Hen-Housed
1	175	25				
2	182	26	76.1	76.1	0.9	0.9
3	189	27	80.6	79.4	2.7	3.6
4	196	28	83.1	81.3	4.0	7.6
5	203	29	85.2	82.8	4.7	12.3
6	210	30	87.0	84.0	5.1	17.4
7	217	31	88.4	85.0	5.3	22.6
8	224	32	89.4	85.8	5.3	27.9
9	231	33	90.2	86.4	5.3	33.2
10	238	34	90.7	87.0	5.2	38.5
11	245	35	91.1	87.5	5.2	43.6
12	252	36	91.3	87.8	5.1	48.8
13	259	37	91.4	88.2	5.1	53.8
14	266	38	91.5	88.4	5.0	58.8
15	273	39	91.4	88.7	4.9	63.7
16	280	40	91.3	88.8	4.8	68.5
17	287	41	91.2	89.0	4.7	73.2
18	294	42	91.1	89.1	4.6	77.8
19	301	43	90.8	89.2	4.5	82.4
20	308	44	90.4	89.3	4.5	86.8
21	315	45	90.0	89.3	4.4	91.2
22	322	46	89.5	89.3	4.3	95.5
23	329	47	89.1	89.3	4.2	99.6
24	336	48	88.2	89.3	4.1	103.7
25	343	49	87.4	89.2	3.9	107.6
26	350	50	86.6	89.1	3.9	111.5
27	357	51	85.7	89.0	3.7	115.2
28	364	52	84.9	88.9	3.6	118.9
29	371	53	84.1	88.7	3.5	122.4
30	378	54	83.3	88.5	3.4	125.8
31	385	55	82.4	88.4	3.3	129.2
32	392	56	81.6	88.2	3.2	132.4
33	399	57	80.8	88.0	3.1	135.5
34	406	58	80.0	87.8	3.0	138.6
35	413	59	79.1	87.6	3.0	141.5
36	420	60	78.3	87.4	2.9	144.4
37	427	61	77.5	87.2	2.8	147.2
38	434	62	76.6	87.0	2.7	149.9
39	441	63	75.8	86.8	2.6	152.4
40	448	64	75.3	86.6	2.5	155.0

* Hatchability is based on an average egg age of three days. Hatchability will drop by 0.5% per day of storage between 7 and 11 days.

WEEKLY EGG WEIGHT AND EGG MASS

Week of Production	Age (days)	Age (weeks)	Hen-Week %	Egg Weight (g)	Egg Weight (oz/doz)	Egg Mass (g)*
1	175	25	5.6	50.4	21.3	2.8
2	182	26	23.5	52.3	22.1	12.3
3	189	27	54.1	53.9	22.8	29.2
4	196	28	75.7	55.5	23.5	42.0
5	203	29	84.9	56.8	24.0	48.2
6	210	30	88.9	58.0	24.6	51.5
7	217	31	89.8	59.0	25.0	53.0
8	224	32	89.1	59.8	25.3	53.3
9	231	33	88.0	60.4	25.6	53.1
10	238	34	86.8	61.0	25.8	53.0
11	245	35	85.7	61.6	26.1	52.8
12	252	36	84.7	62.1	26.3	52.6
13	259	37	83.7	62.5	26.5	52.3
14	266	38	82.4	62.9	26.6	51.8
15	273	39	81.4	63.3	26.8	51.5
16	280	40	80.4	63.7	27.0	51.2
17	287	41	79.4	64.0	27.1	50.8
18	294	42	78.3	64.4	27.3	50.5
19	301	43	77.0	64.7	27.4	49.8
20	308	44	76.1	65.1	27.6	49.6
21	315	45	75.0	65.4	27.7	49.0
22	322	46	74.1	65.8	27.9	48.7
23	329	47	72.9	66.1	28.0	48.2
24	336	48	71.8	66.5	28.1	47.8
25	343	49	70.6	66.8	28.3	47.2
26	350	50	69.7	67.2	28.4	46.9
27	357	51	68.5	67.5	28.6	46.2
28	364	52	67.4	67.9	28.7	45.8
29	371	53	66.4	68.2	28.9	45.3
30	378	54	65.4	68.5	29.0	44.8
31	385	55	64.1	68.8	29.1	44.1
32	392	56	63.1	69.1	29.2	43.6
33	399	57	62.0	69.4	29.4	43.1
34	406	58	61.0	69.6	29.5	42.4
35	413	59	59.9	69.8	29.5	41.8
36	420	60	58.8	70.0	29.6	41.1
37	427	61	57.8	70.1	29.7	40.5
38	434	62	56.7	70.2	29.7	39.8
39	441	63	55.4	70.3	29.8	39.0
40	448	64	54.4	70.4	29.8	38.3

$$*Egg\ Mass\ (g) = \frac{Hen-Week\ (\%) \times Egg\ Weight\ (g)}{100}$$



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