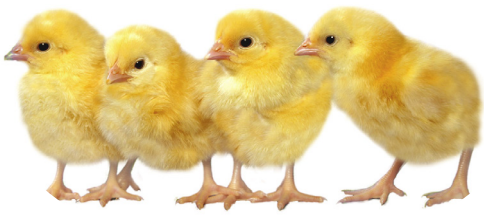
An Aviagen Brand

INDIAN RIVER FF

Parent Stock Performance Objectives



Fast Feathering

2021

INTRODUCTION

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

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) (weeks)	448 64	448 64
Total Eggs (HHA)*	190.5	190.5
Hatching Eggs (HHA)*	179.0	179.0
Chicks/female housed at 175 days (25 weeks)	156.8	156.8
Hatchability %	87.6	87.6
Age at 5% Production (days) (weeks)	175 25	175 25
Peak Production %	89.6	89.6
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)***	35.4 kg	78.0 lb
Feed/100 Hatching Eggs (kg) day old - 448 days 0-64 weeks)***	30.4 kg	67.0 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.

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	116	6.26	0.32	25.6	325
175	25	2965	125	126	6.54	0.28	27.7	352
182	26	3075	110	143	6.78	0.24	31.6	401
189	27	3175	100	157	7.00	0.22	34.5	438
196	28	3270	95	166	7.21	0.21	36.6	465
203	29	3360	90	166	7.41	0.20	36.6	465
210	30	3410	50	166	7.52	0.11	36.6	465
217	31	3455	45	166	7.62	0.10	36.6	465
224	32	3495	40	166	7.71	0.09	36.6	465
231	33	3540	45	166	7.80	0.09	36.6	465
238	34	3580	40	166	7.89	0.09	36.6	465
245	35	3610	30	166	7.96	0.07	36.6	465
252	36	3640	30	165	8.02	0.06	36.4	463
259	37	3665	25	165	8.08	0.06	36.3	461
266	38	3690	25	165	8.14	0.06	36.3	461
273	39	3715	25	164	8.19	0.05	36.2	460
280	40	3735	20	164	8.23	0.04	36.1	458
287	41	3755	20	163	8.28	0.05	36.0	457
294	42	3775	20	163	8.32	0.04	35.9	456
301	43	3795	20	163	8.37	0.05	35.9	455
308	44	3815	20	162	8.41	0.04	35.8	454
315	45	3835	20	162	8.45	0.04	35.7	454
322	46	3855	20	162	8.50	0.05	35.6	453
329	47	3875	20	161	8.54	0.04	35.6	452
336	48	3895	20	161	8.59	0.05	35.4	450
343	49	3915	20	161	8.63	0.04	35.4	450
350	50	3935	20	160	8.68	0.05	35.3	449
357	51	3955	20	160	8.72	0.04	35.2	447
364	52	3970	15	159	8.75	0.03	35.0	445
371	53	3985	15	158	8.79	0.04	34.9	443
378	54	3995	10	157	8.81	0.02	34.7	440
385	55	4005	10	157	8.83	0.02	34.6	439
392	56	4015	10	156	8.85	0.02	34.5	438
399	57	4025	10	156	8.87	0.02	34.4	436
406	58	4035	10	156	8.90	0.03	34.3	435
413	59	4045	10	155	8.92	0.02	34.2	434
420	60	4055	10	155	8.94	0.02	34.1	433
427	61	4065	10	154	8.96	0.02	34.0	432
434	62	4075	10	154	8.98	0.02	33.9	431
441	63	4085	10	154	9.01	0.03	33.8	430
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).

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	28.1	356
182	26	3190	105	144	7.03	0.23	31.7	403
189	27	3275	85	158	7.22	0.19	34.9	443
196	28	3370	95	169	7.43	0.21	37.2	472
203	29	3455	85	169	7.62	0.19	37.2	472
210	30	3515	60	169	7.75	0.13	37.2	472
217	31	3565	50	169	7.86	0.11	37.2	472
224	32	3610	45	169	7.96	0.10	37.2	472
231	33	3655	45	169	8.06	0.10	37.2	472
238	34	3695	40	169	8.15	0.09	37.2	472
245	35	3725	30	168	8.21	0.06	37.0	470
252	36	3755	30	167	8.28	0.07	36.9	468
259	37	3780	25	167	8.33	0.05	36.8	467
266	38	3805	25	167	8.39	0.06	36.8	467
273	39	3830	25	166	8.44	0.05	36.6	465
280	40	3850	20	166	8.49	0.05	36.5	464
287	41	3870	20	165	8.53	0.04	36.5	463
294	42	3890	20	165	8.58	0.05	36.3	461
301	43	3910	20	165	8.62	0.04	36.3	461
308	44	3930	20	164	8.66	0.04	36.2	460
315	45	3950	20	164	8.71	0.05	36.2	459
322	46	3970	20	164	8.75	0.04	36.1	458
329	47	3990	20	163	8.80	0.05	36.0	457
336	48	4010	20	163	8.84	0.04	35.9	456
343	49	4030	20	163	8.88	0.04	35.8	455
350	50	4050	20	162	8.93	0.05	35.7	454
357	51	4070	20	161	8.97	0.04	35.6	452
364	52	4085	15	161	9.01	0.04	35.4	450
371	53	4100	15	160	9.04	0.03	35.3	448
378	54	4110	10	159	9.06	0.02	35.1	445
385	55	4120	10	159	9.08	0.02	35.0	444
392	56	4130	10	158	9.11	0.03	34.9	443
399	57	4140	10	158	9.13	0.02	34.8	442
406	58	4150	10	157	9.15	0.02	34.7	441
413	59	4160	10	157	9.17	0.02	34.6	439
420	60	4170	10	157	9.19	0.02	34.5	438
427	61	4180	10	156	9.22	0.03	34.4	438
434	62	4190	10	156	9.24	0.02	34.3	436
441	63	4200	10	155	9.26	0.02	34.3	435
448	64	4210	10	155	9.28	0.02	34.2	434

* 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	352	126	
10	358	128	2
15	363	130	2
20	369	132	2
25	377	135	3
30	386	138	3
35	394	141	3
40	402	144	3
45	414	148	4
50	425	152	4
55	436	156	4
65	450	161	5
>75	465	166	5

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	356	127	
10	362	129	2
15	367	131	2
20	373	133	2
25	381	136	3
30	390	139	3
35	398	142	3
40	409	146	4
45	420	150	4
50	432	154	4
55	446	159	5
65	460	164	5
>75	472	169	5

* 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.

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 (0.06-0.07 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.

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	5.7	5.7	0.4	0.4				
2	182	26	24.5	24.6	1.7	2.1	1.2	1.2	70.3	56.9
3	189	27	54.9	55.2	3.8	6.0	3.3	4.5	85.9	75.6
4	196	28	76.2	76.8	5.3	11.3	4.8	9.3	89.8	82.3
5	203	29	85.2	86.0	6.0	17.2	5.5	14.8	92.4	85.8
6	210	30	88.9	90.0	6.2	23.5	5.9	20.7	94.2	88.0
7	217	31	89.6	90.9	6.3	29.7	6.0	26.6	95.0	89.5
8	224	32	88.7	90.2	6.2	36.0	6.0	32.6	95.9	90.6
9	231	33	87.5	89.1	6.1	42.1	5.9	38.4	95.7	91.3
10	238	34	86.2	87.9	6.0	48.1	5.8	44.2	95.6	91.9
11	245	35	84.9	86.8	5.9	54.0	5.7	49.9	95.7	92.3
12	252	36	83.7	85.8	5.9	59.9	5.6	55.5	95.6	92.6
13	259	37	82.6	84.8	5.8	65.7	5.5	61.0	95.6	92.9
14	266	38	81.2	83.5	5.7	71.4	5.4	66.4	95.5	93.1
15	273	39	80.0	82.5	5.6	77.0	5.3	71.8	95.4	93.3
16	280	40	78.9	81.5	5.5	82.5	5.3	77.0	95.3	93.4
17	287	41	77.7	80.5	5.4	87.9	5.2	82.2	95.2	93.5
18	294	42	76.6	79.5	5.4	93.3	5.1	87.3	95.1	93.6
19	301	43	75.2	78.1	5.3	98.6	5.0	92.3	95.1	93.7
20	308	44	74.2	77.3	5.2	103.8	4.9	97.3	95.0	93.7
21	315	45	72.9	76.1	5.1	108.9	4.8	102.1	94.9	93.8
22	322	46	71.9	75.2	5.0	113.9	4.8	106.9	94.8	93.8
23	329	47	70.6	74.0	4.9	118.8	4.7	111.6	94.8	93.9
24	336	48	69.5	73.0	4.9	123.7	4.6	116.2	94.7	93.9
25	343	49	68.2	71.8	4.8	128.5	4.5	120.7	94.6	93.9
26	350	50	67.2	70.9	4.7	133.2	4.4	125.1	94.5	94.0
27	357	51	65.9	69.6	4.6	137.8	4.4	129.5	94.5	94.0
28	364	52	64.7	68.6	4.5	142.3	4.3	133.8	94.4	94.0
29	371	53	63.6	67.5	4.5	146.8	4.2	138.0	94.3	94.0
30	378	54	62.6	66.6	4.4	151.1	4.1	142.1	94.2	94.0
31	385	55	61.2	65.2	4.3	155.4	4.0	146.1	94.2	94.0
32	392	56	60.2	64.3	4.2	159.6	4.0	150.1	94.1	94.0
33	399	57	59.0	63.2	4.1	163.8	3.9	154.0	94.0	94.0
34	406	58	57.9	62.1	4.1	167.8	3.8	157.8	93.9	94.0
35	413	59	56.7	61.0	4.0	171.8	3.7	161.5	93.9	94.0
36	420	60	55.6	59.9	3.9	175.7	3.7	165.1	93.8	94.0
37	427	61	54.6	59.0	3.8	179.5	3.6	168.7	93.7	94.0
38	434	62	53.5	57.8	3.7	183.2	3.5	172.2	93.7	94.0
39	441	63	52.2	56.6	3.7	186.9	3.4	175.6	93.6	94.0
40	448	64	51.2	55.6	3.6	190.5	3.4	179.0	93.6	94.0

* 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	77.2	77.2	0.9	0.9
3	189	27	81.6	80.4	2.7	3.6
4	196	28	84.1	82.3	4.0	7.6
5	203	29	86.3	83.8	4.8	12.4
6	210	30	88.0	85.0	5.2	17.6
7	217	31	89.4	86.0	5.3	22.9
8	224	32	90.4	86.8	5.4	28.3
9	231	33	91.2	87.4	5.3	33.6
10	238	34	91.7	88.0	5.3	38.9
11	245	35	92.0	88.5	5.2	44.1
12	252	36	92.3	88.8	5.2	49.3
13	259	37	92.4	89.2	5.1	54.4
14	266	38	92.5	89.4	5.0	59.4
15	273	39	92.4	89.7	4.9	64.4
16	280	40	92.3	89.8	4.9	69.2
17	287	41	92.2	90.0	4.8	74.0
18	294	42	92.1	90.1	4.7	78.7
19	301	43	91.8	90.2	4.6	83.3
20	308	44	91.4	90.3	4.5	87.8
21	315	45	91.0	90.3	4.4	92.2
22	322	46	90.5	90.3	4.3	96.5
23	329	47	90.1	90.3	4.2	100.7
24	336	48	89.2	90.3	4.1	104.8
25	343	49	88.4	90.2	4.0	108.8
26	350	50	87.6	90.1	3.9	112.7
27	357	51	86.7	90.0	3.8	116.5
28	364	52	86.0	89.9	3.7	120.2
29	371	53	85.2	89.7	3.6	123.8
30	378	54	84.3	89.6	3.5	127.2
31	385	55	83.4	89.4	3.4	130.6
32	392	56	82.6	89.2	3.3	133.9
33	399	57	81.8	89.0	3.2	137.1
34	406	58	81.1	88.8	3.1	140.1
35	413	59	80.2	88.6	3.0	143.1
36	420	60	79.3	88.4	2.9	146.0
37	427	61	78.5	88.2	2.8	148.8
38	434	62	77.7	88.0	2.7	151.6
39	441	63	76.9	87.8	2.6	154.2
40	448	64	76.4	87.6	2.6	156.8

* 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	5.7	49.4	20.9	2.8
2	182	26	24.6	51.5	21.8	12.6
3	189	27	55.2	52.9	22.4	29.2
4	196	28	76.8	54.1	22.9	41.5
5	203	29	86.0	55.2	23.3	47.5
6	210	30	90.0	56.2	23.8	50.5
7	217	31	90.9	57.0	24.1	51.8
8	224	32	90.2	57.6	24.4	51.9
9	231	33	89.1	58.1	24.6	51.7
10	238	34	87.9	58.6	24.8	51.5
11	245	35	86.8	59.1	25.0	51.3
12	252	36	85.8	59.6	25.2	51.1
13	259	37	84.8	60.0	25.4	50.9
14	266	38	83.5	60.4	25.6	50.4
15	273	39	82.5	60.9	25.8	50.2
16	280	40	81.5	61.3	25.9	50.0
17	287	41	80.5	61.7	26.1	49.7
18	294	42	79.5	62.1	26.3	49.4
19	301	43	78.1	62.4	26.4	48.8
20	308	44	77.3	62.8	26.6	48.5
21	315	45	76.1	63.2	26.7	48.1
22	322	46	75.2	63.6	26.9	47.8
23	329	47	74.0	63.9	27.0	47.3
24	336	48	73.0	64.3	27.2	46.9
25	343	49	71.8	64.5	27.3	46.3
26	350	50	70.9	65.0	27.5	46.1
27	357	51	69.6	65.2	27.6	45.4
28	364	52	68.6	65.6	27.8	45.0
29	371	53	67.5	65.8	27.8	44.4
30	378	54	66.6	66.1	28.0	44.0
31	385	55	65.2	66.4	28.1	43.3
32	392	56	64.3	66.7	28.2	42.9
33	399	57	63.2	67.0	28.3	42.4
34	406	58	62.1	67.2	28.4	41.7
35	413	59	61.0	67.6	28.6	41.3
36	420	60	59.9	67.8	28.7	40.6
37	427	61	59.0	67.9	28.7	40.0
38	434	62	57.8	68.1	28.8	39.4
39	441	63	56.6	68.2	28.9	38.6
40	448	64	55.6	68.3	28.9	38.0

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

NOTES

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Fast Feathering