



An Aviagen Brand

Arbor Acres Plus S

Parent Stock Performance Objectives

2021

Slow Feathering



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Arbor Acres Plus S - slow feathering

Introduction

This booklet contains the performance objectives for Arbor Acres® Plus S parent stock and should be used in conjunction with the **Arbor Acres 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 blue.*

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 Arbor Acres stock, please contact your local Arbor Acres representative.

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Performance Summary

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

Summary of 40 Weeks of Production

Age at depletion (days)	448	448
(weeks)	64	64
Total eggs (HHA)*	189.6	189.6
Hatching eggs (HHA)*	180.6	180.6
Chicks/female housed at 175 days (25 weeks)	154.6	154.6
% Hatchability	85.6	85.6
Age at 5% production (days)	175	175
(weeks)	25	25
% Peak production	88.5	88.5
Body weight at 175 days (25 weeks)**	2970-3090 g	6.5-6.8 lb
Body weight at depletion**	4100-4215 g	9.0-9.3 lb
Liveability (rearing period) %	95-96	95-96
Liveability (laying period) %	92	92
Feed/100 chicks day old - 448 days (0-64 weeks)***	36.2 kg	79.8 lb
Feed/100 hatching eggs day old - 448 days (0-64 weeks)***	31.0 kg	68.3 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 In-Season 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	115	75	20	0.25	0.16	4.3	55
14	2	215	100	26	0.47	0.22	5.8	73
21	3	345	130	31	0.76	0.29	6.8	86
28	4	475	130	34	1.05	0.29	7.6	96
35	5	595	120	37	1.31	0.26	8.3	105
42	6	705	110	40	1.55	0.24	8.8	112
49	7	805	100	43	1.77	0.22	9.5	120
56	8	905	100	46	2.00	0.23	10.2	129
63	9	1005	100	50	2.22	0.22	10.9	139
70	10	1105	100	53	2.44	0.22	11.7	149
77	11	1205	100	57	2.66	0.22	12.5	158
84	12	1305	100	60	2.88	0.22	13.2	168
91	13	1405	100	64	3.10	0.22	14.0	178
98	14	1505	100	67	3.32	0.22	14.8	188
105	15	1605	100	71	3.54	0.22	15.7	199
112	16	1710	105	75	3.77	0.23	16.5	210
119	17	1820	110	80	4.01	0.24	17.6	223
126	18	1945	125	86	4.29	0.28	19.0	241
133	19	2095	150	92	4.62	0.33	20.2	257
140	20	2245	150	97	4.95	0.33	21.4	272
147	21	2400	155	102	5.29	0.34	22.4	284
154	22	2550	150	106	5.62	0.33	23.4	297
161	23	2700	150	110	5.95	0.33	24.2	308
168	24	2845	145	115	6.27	0.32	25.3	322
175	25	2970	125	126	6.55	0.28	27.8	353
182	26	3080	110	144	6.79	0.24	31.8	403
189	27	3180	100	159	7.01	0.22	35.0	444
196	28	3275	95	169	7.22	0.21	37.2	472
203	29	3365	90	169	7.42	0.20	37.2	472
210	30	3415	50	169	7.53	0.11	37.2	472
217	31	3460	45	169	7.63	0.10	37.2	472
224	32	3500	40	169	7.72	0.09	37.2	472
231	33	3545	45	169	7.82	0.10	37.2	472
238	34	3585	40	169	7.90	0.08	37.2	472
245	35	3615	30	169	7.97	0.07	37.2	472
252	36	3645	30	168	8.04	0.07	37.0	470
259	37	3670	25	168	8.09	0.05	36.9	469
266	38	3695	25	167	8.15	0.06	36.9	469
273	39	3720	25	167	8.20	0.05	36.8	467
280	40	3740	20	166	8.25	0.05	36.7	466
287	41	3760	20	166	8.29	0.04	36.6	465
294	42	3780	20	166	8.33	0.04	36.5	464
301	43	3800	20	165	8.38	0.05	36.5	463
308	44	3820	20	165	8.42	0.04	36.4	462
315	45	3840	20	165	8.47	0.05	36.3	462
322	46	3860	20	165	8.51	0.04	36.3	461
329	47	3880	20	164	8.55	0.04	36.2	459
336	48	3900	20	164	8.60	0.05	36.1	459
343	49	3920	20	163	8.64	0.04	36.0	457
350	50	3940	20	163	8.69	0.05	36.0	457
357	51	3960	20	162	8.73	0.04	35.8	455
364	52	3975	15	162	8.76	0.03	35.7	453
371	53	3990	15	161	8.80	0.04	35.5	450
378	54	4000	10	160	8.82	0.02	35.3	448
385	55	4010	10	159	8.84	0.02	35.1	446
392	56	4020	10	159	8.86	0.02	35.0	445
399	57	4030	10	158	8.88	0.02	34.9	443
406	58	4040	10	158	8.91	0.03	34.8	442
413	59	4050	10	157	8.93	0.02	34.7	441
420	60	4060	10	157	8.95	0.02	34.6	439
427	61	4070	10	156	8.97	0.02	34.5	438
434	62	4080	10	156	8.99	0.02	34.4	437
441	63	4090	10	156	9.02	0.03	34.4	436
448	64	4100	10	156	9.04	0.02	34.3	436

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).

* 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.

Female Out-of-Season 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	115	75	20	0.25	0.16	4.3	55
14	2	215	100	25	0.47	0.22	5.6	71
21	3	335	120	31	0.74	0.27	6.8	86
28	4	470	135	34	1.04	0.30	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	111
49	7	800	100	43	1.76	0.22	9.6	122
56	8	910	110	47	2.01	0.25	10.4	132
63	9	1020	110	51	2.25	0.24	11.2	142
70	10	1130	110	55	2.49	0.24	12.0	153
77	11	1240	110	58	2.73	0.24	12.7	161
84	12	1340	100	61	2.95	0.22	13.4	171
91	13	1440	100	64	3.17	0.22	14.2	180
98	14	1540	100	68	3.40	0.23	15.1	191
105	15	1650	110	74	3.64	0.24	16.2	206
112	16	1780	130	79	3.92	0.28	17.5	222
119	17	1920	140	84	4.23	0.31	18.6	236
126	18	2060	140	89	4.54	0.31	19.6	249
133	19	2200	140	93	4.85	0.31	20.5	260
140	20	2340	140	99	5.16	0.31	21.9	278
147	21	2505	165	105	5.52	0.36	23.2	295
154	22	2675	170	109	5.90	0.38	24.1	306
161	23	2825	150	112	6.23	0.33	24.8	315
168	24	2965	140	117	6.54	0.31	25.8	328
175	25	3090	125	128	6.81	0.27	28.3	359
182	26	3195	105	145	7.04	0.23	32.0	406
189	27	3280	85	160	7.23	0.19	35.2	448
196	28	3375	95	171	7.44	0.21	37.6	478
203	29	3460	85	171	7.63	0.19	37.6	478
210	30	3520	60	171	7.76	0.13	37.6	478
217	31	3570	50	171	7.87	0.11	37.6	478
224	32	3615	45	171	7.97	0.10	37.6	478
231	33	3660	45	171	8.07	0.10	37.6	478
238	34	3700	40	171	8.16	0.09	37.6	478
245	35	3730	30	171	8.22	0.06	37.6	478
252	36	3760	30	170	8.29	0.07	37.4	475
259	37	3785	25	170	8.34	0.05	37.4	475
266	38	3810	25	169	8.40	0.06	37.4	474
273	39	3835	25	169	8.45	0.05	37.2	473
280	40	3855	20	168	8.50	0.05	37.1	471
287	41	3875	20	168	8.54	0.04	37.0	470
294	42	3895	20	168	8.59	0.05	37.0	470
301	43	3915	20	167	8.63	0.04	36.9	469
308	44	3935	20	167	8.68	0.05	36.8	468
315	45	3955	20	167	8.72	0.04	36.8	467
322	46	3975	20	166	8.76	0.04	36.7	466
329	47	3995	20	166	8.81	0.05	36.6	465
336	48	4015	20	166	8.85	0.04	36.5	464
343	49	4035	20	165	8.90	0.05	36.4	463
350	50	4055	20	165	8.94	0.04	36.4	462
357	51	4075	20	164	8.98	0.04	36.2	460
364	52	4090	15	164	9.02	0.04	36.1	458
371	53	4105	15	163	9.05	0.03	35.9	456
378	54	4115	10	162	9.07	0.02	35.7	453
385	55	4125	10	161	9.09	0.02	35.5	451
392	56	4135	10	161	9.12	0.03	35.4	450
399	57	4145	10	160	9.14	0.02	35.3	448
406	58	4155	10	160	9.16	0.02	35.2	447
413	59	4165	10	159	9.18	0.02	35.1	446
420	60	4175	10	159	9.20	0.02	35.0	444
427	61	4185	10	158	9.23	0.03	34.9	443
434	62	4195	10	158	9.25	0.02	34.8	442
441	63	4205	10	158	9.27	0.02	34.8	442
448	64	4215	10	157	9.29	0.02	34.7	441

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)

* 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.

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	353	126	
10	358	128	2
15	364	130	2
20	370	132	2
25	378	135	3
30	386	138	3
35	395	141	3
40	406	145	4
45	417	149	4
50	428	153	4
55	442	158	5
65	456	163	5
>75	472	169	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	359	128	
10	364	130	2
15	370	132	2
20	375	134	2
25	384	137	3
30	392	140	3
35	400	143	3
40	412	147	4
45	423	151	4
50	434	155	4
55	448	160	5
65	462	165	5
>75	478	171	6

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.

* 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).

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	150	110	33	0.33	0.24	7.2	92
14	2	320	170	42	0.70	0.37	9.3	118
21	3	525	205	49	1.16	0.46	10.8	137
28	4	755	230	54	1.66	0.50	11.9	152
35	5	945	190	58	2.08	0.42	12.8	162
42	6	1130	185	61	2.49	0.41	13.4	170
49	7	1280	150	63	2.82	0.33	13.9	177
56	8	1420	140	65	3.13	0.31	14.4	183
63	9	1545	125	67	3.40	0.27	14.8	188
70	10	1670	125	69	3.68	0.28	15.3	194
77	11	1795	125	72	3.95	0.27	15.8	200
84	12	1920	125	74	4.23	0.28	16.4	208
91	13	2045	125	77	4.50	0.27	17.0	216
98	14	2170	125	80	4.78	0.28	17.6	224
105	15	2295	125	83	5.06	0.28	18.4	233
112	16	2420	125	87	5.33	0.27	19.1	243
119	17	2560	140	90	5.64	0.31	19.8	252
126	18	2715	155	93	5.98	0.34	20.6	262
133	19	2875	160	98	6.33	0.35	21.5	273
140	20	3035	160	102	6.69	0.36	22.5	286
147	21	3195	160	107	7.04	0.35	23.5	299
154	22	3355	160	112	7.39	0.35	24.7	313
161	23	3515	160	118	7.74	0.35	26.0	330
168	24	3675	160	121	8.09	0.35	26.7	340
175	25	3825	150	123	8.43	0.34	27.1	344
182	26	3960	135	124	8.72	0.29	27.4	348
189	27	4035	75	125	8.89	0.17	27.6	351
196	28	4090	55	126	9.01	0.12	27.8	353
203	29	4120	30	127	9.07	0.06	28.0	355
210	30	4150	30	128	9.14	0.07	28.1	357
217	31	4180	30	128	9.21	0.07	28.3	360
224	32	4210	30	129	9.27	0.06	28.5	362
231	33	4240	30	130	9.34	0.07	28.7	365
238	34	4270	30	131	9.41	0.07	28.9	367
245	35	4300	30	132	9.47	0.06	29.1	370
252	36	4330	30	133	9.54	0.07	29.3	372
259	37	4360	30	134	9.60	0.06	29.5	375
266	38	4390	30	135	9.67	0.07	29.7	377
273	39	4420	30	136	9.74	0.07	29.9	380
280	40	4450	30	136	9.80	0.06	30.1	382
287	41	4480	30	137	9.87	0.07	30.3	384
294	42	4510	30	138	9.93	0.06	30.5	387
301	43	4540	30	139	10.00	0.07	30.6	389
308	44	4570	30	140	10.07	0.07	30.8	392
315	45	4600	30	141	10.13	0.06	31.0	394
322	46	4630	30	141	10.20	0.07	31.2	396
329	47	4660	30	142	10.26	0.06	31.4	398
336	48	4690	30	143	10.33	0.07	31.5	401
343	49	4720	30	144	10.40	0.07	31.7	403
350	50	4750	30	145	10.46	0.06	31.9	405
357	51	4775	25	145	10.52	0.06	32.1	407
364	52	4800	25	146	10.57	0.05	32.2	409
371	53	4825	25	147	10.63	0.06	32.4	411
378	54	4850	25	148	10.68	0.05	32.5	413
385	55	4875	25	148	10.74	0.06	32.7	415
392	56	4900	25	149	10.79	0.05	32.8	417
399	57	4925	25	150	10.85	0.06	33.0	419
406	58	4950	25	150	10.90	0.05	33.1	421
413	59	4975	25	151	10.96	0.06	33.3	422
420	60	5000	25	151	11.01	0.05	33.4	424
427	61	5025	25	152	11.07	0.06	33.5	426
434	62	5050	25	153	11.12	0.05	33.6	427
441	63	5075	25	153	11.18	0.06	33.7	429
448	64	5100	25	154	11.23	0.05	33.9	430

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 28 weeks (196 days) should average approximately 30 g (0.05-0.07 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.

* 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.

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	5.4	5.4	0.4	0.4				
2	182	26	24.9	25.0	1.7	2.1	1.3	1.3	73.4	60.3
3	189	27	54.9	55.3	3.8	6.0	3.4	4.7	88.0	78.2
4	196	28	76.4	77.0	5.3	11.3	4.9	9.5	91.0	84.2
5	203	29	84.9	85.8	5.9	17.3	5.5	15.1	93.3	87.3
6	210	30	87.8	88.9	6.1	23.4	5.8	20.9	95.1	89.4
7	217	31	88.5	89.8	6.2	29.6	5.9	26.9	95.9	90.7
8	224	32	87.8	89.2	6.1	35.7	5.9	32.8	96.7	91.8
9	231	33	86.6	88.2	6.1	41.8	5.9	38.7	96.6	92.5
10	238	34	85.5	87.2	6.0	47.8	5.8	44.4	96.6	93.0
11	245	35	84.4	86.3	5.9	53.7	5.7	50.1	96.5	93.4
12	252	36	83.2	85.3	5.8	59.5	5.6	55.8	96.5	93.7
13	259	37	82.1	84.3	5.7	65.3	5.5	61.3	96.4	93.9
14	266	38	80.9	83.3	5.7	70.9	5.5	66.8	96.4	94.1
15	273	39	79.8	82.3	5.6	76.5	5.4	72.1	96.4	94.3
16	280	40	78.5	81.1	5.5	82.0	5.3	77.4	96.3	94.4
17	287	41	77.4	80.1	5.4	87.4	5.2	82.7	96.3	94.5
18	294	42	76.2	79.1	5.3	92.8	5.1	87.8	96.2	94.6
19	301	43	75.1	78.0	5.3	98.0	5.1	92.8	96.2	94.7
20	308	44	73.9	77.0	5.2	103.2	5.0	97.8	96.2	94.8
21	315	45	72.8	76.0	5.1	108.3	4.9	102.7	96.1	94.9
22	322	46	71.6	74.9	5.0	113.3	4.8	107.5	96.1	94.9
23	329	47	70.5	73.9	4.9	118.2	4.7	112.3	96.0	95.0
24	336	48	69.2	72.7	4.8	123.1	4.7	116.9	96.0	95.0
25	343	49	68.1	71.7	4.8	127.8	4.6	121.5	96.0	95.0
26	350	50	66.9	70.6	4.7	132.5	4.5	126.0	95.9	95.1
27	357	51	65.8	69.5	4.6	137.1	4.4	130.4	95.9	95.1
28	364	52	64.6	68.5	4.5	141.7	4.3	134.7	95.9	95.1
29	371	53	63.5	67.4	4.4	146.1	4.3	139.0	95.9	95.1
30	378	54	62.4	66.3	4.4	150.5	4.2	143.2	95.8	95.2
31	385	55	61.2	65.3	4.3	154.8	4.1	147.3	95.8	95.2
32	392	56	59.9	64.0	4.2	159.0	4.0	151.3	95.8	95.2
33	399	57	58.8	62.9	4.1	163.1	3.9	155.3	95.7	95.2
34	406	58	57.6	61.8	4.0	167.1	3.9	159.1	95.7	95.2
35	413	59	56.5	60.8	4.0	171.1	3.8	162.9	95.7	95.2
36	420	60	55.4	59.7	3.9	174.9	3.7	166.6	95.7	95.2
37	427	61	54.2	58.5	3.8	178.7	3.6	170.2	95.6	95.2
38	434	62	53.1	57.4	3.7	182.4	3.6	173.8	95.6	95.3
39	441	63	51.9	56.3	3.6	186.1	3.5	177.3	95.6	95.3
40	448	64	50.6	55.0	3.5	189.6	3.4	180.6	95.6	95.3

* 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	78.0	78.0	1.0	1.0
3	189	27	81.3	80.4	2.8	3.8
4	196	28	83.9	82.2	4.1	7.8
5	203	29	85.9	83.6	4.8	12.6
6	210	30	87.5	84.7	5.1	17.7
7	217	31	88.7	85.5	5.3	23.0
8	224	32	89.5	86.3	5.3	28.3
9	231	33	90.1	86.8	5.3	33.6
10	238	34	90.5	87.3	5.2	38.8
11	245	35	90.7	87.7	5.2	44.0
12	252	36	90.8	88.0	5.1	49.1
13	259	37	90.7	88.3	5.0	54.1
14	266	38	90.6	88.4	4.9	59.0
15	273	39	90.3	88.6	4.9	63.9
16	280	40	90.0	88.7	4.8	68.7
17	287	41	89.7	88.7	4.7	73.4
18	294	42	89.3	88.8	4.6	77.9
19	301	43	88.8	88.8	4.5	82.4
20	308	44	88.3	88.8	4.4	86.8
21	315	45	87.8	88.7	4.3	91.1
22	322	46	87.2	88.6	4.2	95.3
23	329	47	86.7	88.6	4.1	99.4
24	336	48	86.1	88.5	4.0	103.4
25	343	49	85.4	88.3	3.9	107.3
26	350	50	84.8	88.2	3.8	111.1
27	357	51	84.1	88.1	3.7	114.9
28	364	52	83.4	87.9	3.6	118.5
29	371	53	82.7	87.8	3.5	122.0
30	378	54	82.0	87.6	3.4	125.4
31	385	55	81.3	87.4	3.3	128.8
32	392	56	80.5	87.2	3.2	132.0
33	399	57	79.8	87.1	3.1	135.2
34	406	58	79.0	86.9	3.1	138.2
35	413	59	78.2	86.7	3.0	141.2
36	420	60	77.4	86.5	2.9	144.0
37	427	61	76.6	86.2	2.8	146.8
38	434	62	75.7	86.0	2.7	149.5
39	441	63	74.9	85.8	2.6	152.1
40	448	64	74.0	85.6	2.5	154.6

* 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/dozen)	Egg Mass (g)*
1	175	25	5.4	50.2	21.2	2.7
2	182	26	25.0	51.9	22.0	13.0
3	189	27	55.3	53.6	22.7	29.6
4	196	28	77.0	55.2	23.4	42.5
5	203	29	85.8	56.5	23.9	48.5
6	210	30	88.9	57.6	24.4	51.2
7	217	31	89.8	58.6	24.8	52.6
8	224	32	89.2	59.5	25.2	53.1
9	231	33	88.2	60.2	25.5	53.1
10	238	34	87.2	60.9	25.8	53.1
11	245	35	86.3	61.5	26.0	53.0
12	252	36	85.3	62.1	26.3	52.9
13	259	37	84.3	62.6	26.5	52.7
14	266	38	83.3	63.1	26.7	52.5
15	273	39	82.3	63.5	26.9	52.2
16	280	40	81.1	64.0	27.1	51.9
17	287	41	80.1	64.4	27.3	51.6
18	294	42	79.1	64.8	27.4	51.2
19	301	43	78.0	65.3	27.6	51.0
20	308	44	77.0	65.7	27.8	50.6
21	315	45	76.0	66.1	28.0	50.2
22	322	46	74.9	66.5	28.1	49.8
23	329	47	73.9	66.9	28.3	49.4
24	336	48	72.7	67.3	28.5	48.9
25	343	49	71.7	67.7	28.7	48.5
26	350	50	70.6	68.0	28.8	48.0
27	357	51	69.5	68.4	29.0	47.6
28	364	52	68.5	68.7	29.1	47.0
29	371	53	67.4	69.0	29.2	46.5
30	378	54	66.3	69.3	29.3	46.0
31	385	55	65.3	69.5	29.4	45.4
32	392	56	64.0	69.8	29.5	44.7
33	399	57	62.9	70.0	29.6	44.1
34	406	58	61.8	70.2	29.7	43.4
35	413	59	60.8	70.3	29.8	42.7
36	420	60	59.7	70.5	29.8	42.1
37	427	61	58.5	70.7	29.9	41.4
38	434	62	57.4	70.8	30.0	40.7
39	441	63	56.3	71.0	30.1	40.0
40	448	64	55.0	71.2	30.1	39.2

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



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