

PARENT STOCK

ROSS 308 AP

Performance
Objectives

2018



Introduction

This booklet contains the performance objectives for the Ross® 308 AP Parent Stock and is to be used in conjunction with the **Ross 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 conditions 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 feed form, 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 consequences of using this information to manage parent stock.

All weight measurements are shown in both **metric (kg/g)** and **imperial (lb/oz)** to reflect the global nature of this publication.

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 Ross stock, please contact your local Ross representative.

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Performance Summary

Ross 308 AP breeder performance objectives for birds light stimulated **after** 21 weeks (147 days) of age.

Summary of 41 Weeks of Production

Age at Depletion (days) (weeks)	455 65	455 65
Total Eggs (HHA*)	177.9	177.9
Hatching Eggs (HHA*)	171.2	171.2
Chicks / Female Housed at 175 days (25 weeks)	144.8	144.8
Hatchability (%)	84.6	84.6
Age at 5% Production (days) (weeks)	175 25	175 25
Peak production (%)	84.8	84.8
Body Weight at 175 days (25 weeks)	3080 g	6.79 lb
Body Weight at Depletion	4190 g	9.24 lb
Livability + Culls (Rearing period) (%)	95-96	95-96
Livability (Laying period) (%)	91.8	91.8
Feed / 100 chicks** day old - 448 days (0-64 weeks)	39.5 kg	87.1 lb
Feed / 100 hatching eggs** day old - 448 (0-64 weeks)	33.5 kg	73.8 lb

KEY
 (kg/g) – metric measurement
 (lb/oz) – imperial measurement

*Hen-housed Average.

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

ROSS 308 AP PARENT STOCK: Performance Objectives

Female Body Weight and Feeding Program

KEY (kg/g) – metric measurement (lb/oz) – imperial measurement

Age (Days)	Age (Weeks)	Body Weight (g)	Weekly Gain (g)	Feed (g/bird/day)	Energy (kcal ME/bird/day)*	Body Weight (lb)	Weekly Gain (lb)	Feed (lb/100/day)	Energy (kcal ME/bird/day)*	Protein Intake (g) Crude Protein/Bird/Day
Day old	0	40		ad lib	ad lib	0.09		ad lib	ad lib	
7	1	145	105	25	71	0.32	0.23	5.6	71	4.8
14	2	260	115	29	81	0.57	0.25	6.4	81	5.5
21	3	380	120	33	93	0.84	0.27	7.3	93	6.3
28	4	490	110	38	105	1.08	0.24	8.3	105	7.2
35	5	590	100	39	110	1.30	0.22	8.7	110	5.5
42	6	680	90	41	115	1.50	0.20	9.1	115	5.7
49	7	770	90	43	120	1.70	0.20	9.4	120	6.0
56	8	860	90	45	125	1.90	0.20	9.8	125	6.3
63	9	950	90	46	129	2.09	0.19	10.2	129	6.4
70	10	1040	90	48	134	2.29	0.20	10.6	134	6.7
77	11	1130	90	50	140	2.49	0.20	11.0	140	7.0
84	12	1220	90	53	149	2.69	0.20	11.7	149	7.4
91	13	1315	95	57	160	2.90	0.21	12.6	160	8.0
98	14	1425	110	61	170	3.14	0.24	13.4	170	8.5
105	15	1535	110	65	182	3.38	0.24	14.3	182	9.1
112	16	1655	120	69	194	3.65	0.27	15.3	194	9.7
119	17	1785	130	74	208	3.94	0.29	16.4	208	10.4
126	18	1915	130	80	224	4.22	0.28	17.6	224	11.2
133	19	2060	145	87	244	4.54	0.32	19.2	244	12.2
140	20	2215	155	95	266	4.88	0.34	20.9	266	13.3
147	21	2400	185	103	288	5.29	0.41	22.7	288	14.4
154	22	2575	175	110	308	5.68	0.39	24.3	308	15.4
161	23	2745	170	116	326	6.05	0.37	25.7	326	16.2
168	24	2915	170	123	343	6.43	0.38	27.0	343	17.2
175	25	3080	165	134	375	6.79	0.36	29.5	375	20.1
182	26	3235	155	146	408	7.13	0.34	32.1	408	21.9
189	27	3365	130	157	440	7.42	0.29	34.6	440	23.6
196	28	3455	90	169	472	7.62	0.20	37.2	472	25.4
203	29	3515	60	169	472	7.75	0.13	37.2	472	25.4
210	30	3555	40	169	472	7.84	0.09	37.2	472	25.4
217	31	3590	35	169	472	7.91	0.07	37.2	472	25.4
224	32	3620	30	169	472	7.98	0.07	37.2	472	25.4
231	33	3640	20	169	472	8.02	0.04	37.2	472	25.4
238	34	3660	20	168	471	8.07	0.05	37.1	471	25.2
245	35	3680	20	168	470	8.11	0.04	37.0	470	25.2
252	36	3700	20	168	469	8.16	0.05	37.0	469	23.4
259	37	3720	20	167	468	8.20	0.04	36.9	468	23.4
266	38	3740	20	167	468	8.25	0.05	36.8	468	23.2
273	39	3760	20	167	467	8.29	0.04	36.7	467	23.2
280	40	3780	20	166	466	8.33	0.04	36.7	466	23.2
287	41	3800	20	166	465	8.38	0.05	36.6	465	23.1
294	42	3820	20	166	464	8.42	0.04	36.5	464	23.1
301	43	3840	20	165	463	8.47	0.05	36.5	463	23.0
308	44	3860	20	165	462	8.51	0.04	36.4	462	23.0
315	45	3880	20	165	461	8.55	0.04	36.3	461	22.8
322	46	3900	20	164	460	8.60	0.05	36.3	460	22.8
329	47	3920	20	164	460	8.64	0.04	36.2	460	22.7
336	48	3935	15	164	459	8.68	0.04	36.1	459	22.7
343	49	3950	15	164	458	8.71	0.03	36.0	458	22.5
350	50	3965	15	163	457	8.74	0.03	36.0	457	22.5
357	51	3980	15	163	456	8.77	0.03	35.9	456	20.8
364	52	3995	15	163	455	8.81	0.04	35.8	455	20.8
371	53	4010	15	162	454	8.84	0.03	35.8	454	20.8
378	54	4025	15	162	453	8.87	0.03	35.7	453	20.7
385	55	4040	15	162	453	8.91	0.04	35.6	453	20.7
392	56	4055	15	161	452	8.94	0.03	35.6	452	20.5
399	57	4070	15	161	451	8.97	0.03	35.5	451	20.5
406	58	4085	15	161	450	9.01	0.04	35.4	450	20.4
413	59	4100	15	160	449	9.04	0.03	35.4	449	20.4
420	60	4115	15	160	448	9.07	0.03	35.3	448	20.3
427	61	4130	15	160	447	9.11	0.04	35.2	447	20.3
434	62	4145	15	159	446	9.14	0.03	35.1	446	20.2
441	63	4160	15	159	445	9.17	0.03	35.1	445	20.2
448	64	4175	15	159	445	9.20	0.03	35.0	445	20.0
455	65	4190	15	158	444	9.24	0.04	34.9	444	20.0

NOTES:

Body weights are those 4-6 hours after feeding.

Weekly body-weight gain beyond 30 weeks (210 days) should average approximately 15-20 g (0.03-0.05 lb).

*Feed quantities are given as a guide only, based on recommended dietary energy levels of a 2- or 3-stage rearing program (2800 kcal ME/kg; 1270 kcal ME/lb). Adjustments must be made to reflect feeding differing energy levels.

ROSS 308 AP PARENT STOCK: Performance Objectives

Feeding into Lay and Peak Nutrient Allocation

Feeding into Lay

Hen-Day (%)	Daily Energy Intake (kcal/bird/day)*	Feed Intake (g/bird/day)	Feed Increase (g/bird/day)
5	375	134	
10	383	137	3
15	392	140	3
20	400	143	3
25	408	146	3
30	413	148	2
35	419	150	2
40	424	151	1
45	429	153	2
50	435	155	2
55	440	157	2
60	448	160	3
65	456	163	3
70	464	166	3
Peak	472	169	3

NOTES:

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).

*Feeding programs 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 rates 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.

Female Parent Stock Nutrient Allocations at Peak Production

Nutrient	Nutrient Allocation at Peak
Energy (kcal/bird/day)	472
DIGESTIBLE AMINO ACIDS mg/bird/day	
Lysine	1014
Methionine + Cystine	977
Methionine	625
Threonine	828
Valine	946
Isoleucine	845
Arginine	1335
Tryptophan	237
MINERALS mg/bird/day	
Calcium	5070
Available Phosphorus	592

ROSS 308 AP PARENT STOCK: Performance Objectives

Male Body Weight and Feeding Program

KEY (kg/g) – metric measurement (lb/oz) – imperial measurement

Age (Days)	Age (Weeks)	Body Weight (g)	Weekly Gain (g)	Feed (g/bird/day)	Energy (kcal ME/bird/day)*	Body Weight (lb)	Weekly Gain (lb)	Feed (lb/100/day)	Energy (kcal ME/bird/day)*
Day old	0	40		ad lib	ad lib	0.09		ad lib	ad lib
7	1	155	115	35	97	0.34	0.25	7.6	97
14	2	330	175	42	118	0.73	0.39	9.3	118
21	3	550	220	48	134	1.21	0.48	10.5	134
28	4	800	250	53	147	1.76	0.55	11.5	147
35	5	985	185	56	158	2.17	0.41	12.4	158
42	6	1165	180	60	168	2.57	0.40	13.2	168
49	7	1300	135	63	177	2.87	0.30	13.9	177
56	8	1420	120	66	185	3.13	0.26	14.5	185
63	9	1545	125	69	194	3.41	0.28	15.2	194
70	10	1670	125	72	202	3.68	0.27	15.9	202
77	11	1795	125	75	210	3.96	0.28	16.5	210
84	12	1920	125	78	218	4.23	0.27	17.1	218
91	13	2045	125	81	227	4.51	0.28	17.8	227
98	14	2170	125	84	236	4.78	0.27	18.5	236
105	15	2295	125	88	246	5.06	0.28	19.3	246
112	16	2420	125	92	257	5.34	0.28	20.2	257
119	17	2560	140	96	269	5.64	0.30	21.1	269
126	18	2715	155	101	282	5.99	0.35	22.2	282
133	19	2875	160	106	296	6.34	0.35	23.3	296
140	20	3035	160	111	310	6.69	0.35	24.4	310
147	21	3195	160	115	323	7.04	0.35	25.4	323
154	22	3355	160	120	335	7.40	0.36	26.3	335
161	23	3515	160	124	346	7.75	0.35	27.2	346
168	24	3675	160	127	355	8.10	0.35	27.9	355
175	25	3825	150	129	361	8.43	0.33	28.4	361
182	26	3960	135	131	366	8.73	0.30	28.8	366
189	27	4035	75	133	371	8.90	0.17	29.1	371
196	28	4090	55	134	374	9.02	0.12	29.4	374
203	29	4120	30	135	377	9.08	0.06	29.6	377
210	30	4150	30	136	380	9.15	0.07	29.9	380
217	31	4180	30	136	382	9.22	0.07	30.0	382
224	32	4210	30	137	384	9.28	0.06	30.2	384
231	33	4240	30	138	386	9.35	0.07	30.3	386
238	34	4270	30	139	388	9.41	0.06	30.5	388
245	35	4300	30	139	389	9.48	0.07	30.6	389
252	36	4330	30	140	391	9.55	0.07	30.7	391
259	37	4360	30	140	392	9.61	0.06	30.8	392
266	38	4390	30	141	394	9.68	0.07	31.0	394
273	39	4420	30	141	395	9.74	0.06	31.0	395
280	40	4450	30	142	397	9.81	0.07	31.2	397
287	41	4480	30	142	398	9.88	0.07	31.3	398
294	42	4510	30	143	399	9.94	0.06	31.3	399
301	43	4540	30	143	401	10.01	0.07	31.5	401
308	44	4570	30	144	402	10.08	0.07	31.6	402
315	45	4600	30	144	403	10.14	0.06	31.7	403
322	46	4630	30	144	404	10.21	0.07	31.7	404
329	47	4660	30	145	406	10.27	0.06	31.9	406
336	48	4690	30	145	407	10.34	0.07	32.0	407
343	49	4720	30	146	408	10.41	0.07	32.1	408
350	50	4750	30	146	410	10.47	0.06	32.2	410
357	51	4780	30	147	411	10.54	0.07	32.3	411
364	52	4810	30	147	412	10.60	0.06	32.4	412
371	53	4840	30	148	413	10.67	0.07	32.4	413
378	54	4870	30	148	415	10.74	0.07	32.6	415
385	55	4900	30	149	416	10.80	0.06	32.7	416
392	56	4930	30	149	417	10.87	0.07	32.8	417
399	57	4960	30	150	419	10.93	0.06	32.9	419
406	58	4990	30	150	420	11.00	0.07	33.0	420
413	59	5020	30	150	421	11.07	0.07	33.1	421
420	60	5050	30	151	422	11.13	0.06	33.2	422
427	61	5080	30	151	424	11.20	0.07	33.3	424
434	62	5110	30	152	425	11.27	0.07	33.4	425
441	63	5140	30	152	426	11.33	0.06	33.5	426
448	64	5170	30	153	427	11.40	0.07	33.5	427
455	65	5200	30	153	428	11.46	0.06	33.6	428

NOTES:

Body weights are those 4-6 hours after feeding.

This profile allows the male to reach sexual maturity by first egg. Weekly body-weight gain beyond 30 weeks (210 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.

*Feed quantities are given as a guide only, based on recommended dietary energy levels of a 2- or 3-stage rearing program (2800 kcal ME/kg; 1270 kcal ME/lb). Adjustments must be made to reflect feeding differing energy levels.

ROSS 308 AP 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	4.0	4.0	0.28	0.28				
2	182	26	25.0	25.0	1.75	2.03	1.33	1.33	76.0	65.6
3	189	27	54.7	54.9	3.83	5.85	3.20	4.53	83.5	77.3
4	196	28	74.5	74.9	5.21	11.07	4.64	9.16	89.0	82.8
5	203	29	82.1	82.8	5.75	16.82	5.40	14.57	94.0	86.6
6	210	30	84.0	84.8	5.88	22.69	5.70	20.27	97.0	89.3
7	217	31	83.3	84.3	5.83	28.52	5.68	25.95	97.5	91.0
8	224	32	82.6	83.8	5.78	34.31	5.67	31.62	98.0	92.2
9	231	33	82.0	83.3	5.74	40.04	5.62	37.24	98.0	93.0
10	238	34	80.8	82.3	5.66	45.70	5.54	42.79	98.0	93.6
11	245	35	79.7	81.3	5.58	51.28	5.47	48.25	98.0	94.1
12	252	36	78.5	80.3	5.50	56.78	5.39	53.64	98.0	94.5
13	259	37	77.4	79.3	5.42	62.19	5.31	58.95	98.0	94.8
14	266	38	76.3	78.3	5.34	67.53	5.22	64.17	97.7	95.0
15	273	39	75.1	77.3	5.26	72.79	5.14	69.31	97.7	95.2
16	280	40	74.0	76.3	5.18	77.97	5.06	74.37	97.7	95.4
17	287	41	72.6	75.0	5.08	83.05	4.97	79.33	97.7	95.5
18	294	42	71.2	73.7	4.98	88.04	4.87	84.20	97.7	95.6
19	301	43	69.8	72.4	4.89	92.92	4.77	88.97	97.7	95.8
20	308	44	68.4	71.1	4.79	97.71	4.68	93.65	97.7	95.8
21	315	45	67.1	69.9	4.70	102.41	4.58	98.24	97.6	95.9
22	322	46	65.8	68.7	4.61	107.02	4.49	102.73	97.5	96.0
23	329	47	64.5	67.5	4.52	111.53	4.40	107.13	97.4	96.1
24	336	48	63.3	66.3	4.43	115.96	4.31	111.44	97.3	96.1
25	343	49	62.0	65.1	4.34	120.30	4.22	115.65	97.2	96.1
26	350	50	60.7	63.9	4.25	124.55	4.13	119.78	97.1	96.2
27	357	51	59.4	62.7	4.16	128.71	4.04	123.82	97.0	96.2
28	364	52	58.2	61.5	4.07	132.78	3.95	127.76	96.9	96.2
29	371	53	56.9	60.3	3.98	136.77	3.86	131.62	96.8	96.2
30	378	54	55.7	59.1	3.90	140.66	3.77	135.39	96.7	96.2
31	385	55	54.4	57.9	3.81	144.47	3.68	139.07	96.6	96.3
32	392	56	53.2	56.7	3.72	148.20	3.59	142.66	96.5	96.3
33	399	57	51.9	55.5	3.64	151.83	3.51	146.17	96.4	96.3
34	406	58	50.7	54.3	3.55	155.38	3.42	149.58	96.3	96.3
35	413	59	49.5	53.1	3.46	158.85	3.33	152.92	96.2	96.3
36	420	60	48.3	51.9	3.38	162.22	3.24	156.16	96.0	96.3
37	427	61	47.0	50.7	3.29	165.52	3.16	159.32	96.0	96.3
38	434	62	45.8	49.5	3.21	168.73	3.08	162.40	96.0	96.3
39	441	63	44.6	48.3	3.12	171.85	3.00	165.40	96.0	96.2
40	448	64	43.4	47.1	3.04	174.89	2.92	168.32	95.9	96.2
41	455	65	42.2	45.9	2.96	177.85	2.83	171.15	95.8	96.2

*Hen-housed (%) is based on the assumption that 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/doz) or heavier.

ROSS 308 AP PARENT STOCK: Performance Objectives

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	73.3	73.3	0.97	0.97
3	189	27	77.3	76.1	2.47	3.4
4	196	28	80.8	78.5	3.75	7.2
5	203	29	83.3	80.3	4.50	11.7
6	210	30	85.4	81.7	4.87	16.6
7	217	31	86.3	82.8	4.91	21.5
8	224	32	87.8	83.6	4.97	26.4
9	231	33	88.2	84.3	4.96	31.4
10	238	34	88.7	84.9	4.92	36.3
11	245	35	88.9	85.3	4.86	41.2
12	252	36	88.9	85.7	4.79	46.0
13	259	37	88.9	86.0	4.72	50.7
14	266	38	88.9	86.2	4.64	55.3
15	273	39	88.9	86.4	4.57	59.9
16	280	40	88.7	86.6	4.49	64.4
17	287	41	88.5	86.7	4.39	68.8
18	294	42	88.3	86.8	4.30	73.1
19	301	43	88.1	86.8	4.21	77.3
20	308	44	87.9	86.9	4.11	81.4
21	315	45	87.6	86.9	4.02	85.4
22	322	46	87.3	86.9	3.92	89.3
23	329	47	87.0	87.0	3.83	93.2
24	336	48	86.6	86.9	3.73	96.9
25	343	49	86.0	86.9	3.63	100.5
26	350	50	85.4	86.9	3.52	104.0
27	357	51	84.8	86.8	3.42	107.5
28	364	52	84.1	86.7	3.32	110.8
29	371	53	83.4	86.6	3.22	114.0
30	378	54	82.7	86.5	3.12	117.1
31	385	55	81.9	86.4	3.01	120.1
32	392	56	81.0	86.2	2.91	123.0
33	399	57	80.1	86.1	2.81	125.8
34	406	58	79.2	85.9	2.71	128.5
35	413	59	78.3	85.8	2.61	131.2
36	420	60	77.3	85.6	2.51	133.7
37	427	61	76.3	85.4	2.41	136.1
38	434	62	75.2	85.2	2.32	138.4
39	441	63	74.1	85.0	2.22	140.6
40	448	64	72.8	84.8	2.12	142.7
41	455	65	71.3	84.6	2.02	144.8

NOTES:

*Hatchability is based on an average egg age of 3 days. Hatchability will drop by 0.5% per day of storage between 7 and 11 days.

ROSS 308 AP PARENT STOCK: Performance Objectives

Weekly Egg Weight and Egg Mass

Week of Production	Age (Days)	Age (Weeks)	Hen-Week (%)	Egg Weight (g)	Egg Mass*	Egg Weight (oz/doz)
1	175	25	4.0	50.1	2.0	21.2
2	182	26	25.0	52.3	13.1	22.1
3	189	27	54.9	53.9	29.6	22.8
4	196	28	74.9	55.5	41.6	23.5
5	203	29	82.8	56.8	47.0	24.0
6	210	30	84.8	58.0	49.2	24.6
7	217	31	84.3	59.0	49.7	25.0
8	224	32	83.8	59.8	50.1	25.3
9	231	33	83.3	60.4	50.3	25.6
10	238	34	82.3	61.0	50.2	25.8
11	245	35	81.3	61.6	50.1	26.1
12	252	36	80.3	62.1	49.9	26.3
13	259	37	79.3	62.5	49.6	26.5
14	266	38	78.3	62.9	49.3	26.6
15	273	39	77.3	63.3	48.9	26.8
16	280	40	76.3	63.7	48.6	27.0
17	287	41	75.0	64.0	48.0	27.1
18	294	42	73.7	64.4	47.5	27.3
19	301	43	72.4	64.7	46.8	27.4
20	308	44	71.1	65.1	46.3	27.6
21	315	45	69.9	65.4	45.7	27.7
22	322	46	68.7	65.8	45.2	27.9
23	329	47	67.5	66.1	44.6	28.0
24	336	48	66.3	66.5	44.1	28.1
25	343	49	65.1	66.8	43.5	28.3
26	350	50	63.9	67.2	42.9	28.4
27	357	51	62.7	67.5	42.3	28.6
28	364	52	61.5	67.9	41.8	28.7
29	371	53	60.3	68.2	41.1	28.9
30	378	54	59.1	68.5	40.5	29.0
31	385	55	57.9	68.8	39.8	29.1
32	392	56	56.7	69.1	39.2	29.2
33	399	57	55.5	69.4	38.5	29.4
34	406	58	54.3	69.6	37.8	29.5
35	413	59	53.1	69.8	37.1	29.5
36	420	60	51.9	70.0	36.3	29.6
37	427	61	50.7	70.1	35.5	29.7
38	434	62	49.5	70.2	34.7	29.7
39	441	63	48.3	70.3	34.0	29.8
40	448	64	47.1	70.4	33.2	29.8
41	455	65	45.9	70.5	32.4	29.8

KEY
 (kg/g) – metric measurement
 (lb/oz) – imperial measurement

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

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