



Bond Brown



THE BROWN EGG LAYER FOR AUSTRALIA

Head Office/Hatchery: 303 Grantham Scrub Road, Grantham Qld 4347 Australia

Phone / Fax: (07) 46977800 **Mobile:** 0419 742 856

Website: www.bondenterprises.com.au

Email: bondnelbex@bigpond.com

CONTENTS

PERFORMANCE DATA – BOND BROWN LAYER	P 3
GROWTH CURVE	P 4
BODY WEIGHT DEVELOPMENT	P 5
NUTRITIONAL PROGRAM	P 6
PERFORMANCE GOALS - Layers	P 7
PERFORMANCE GOALS - Early stimulation (program B)	P 9
EXPECTED BOND BROWN EGG GRADES	P 11

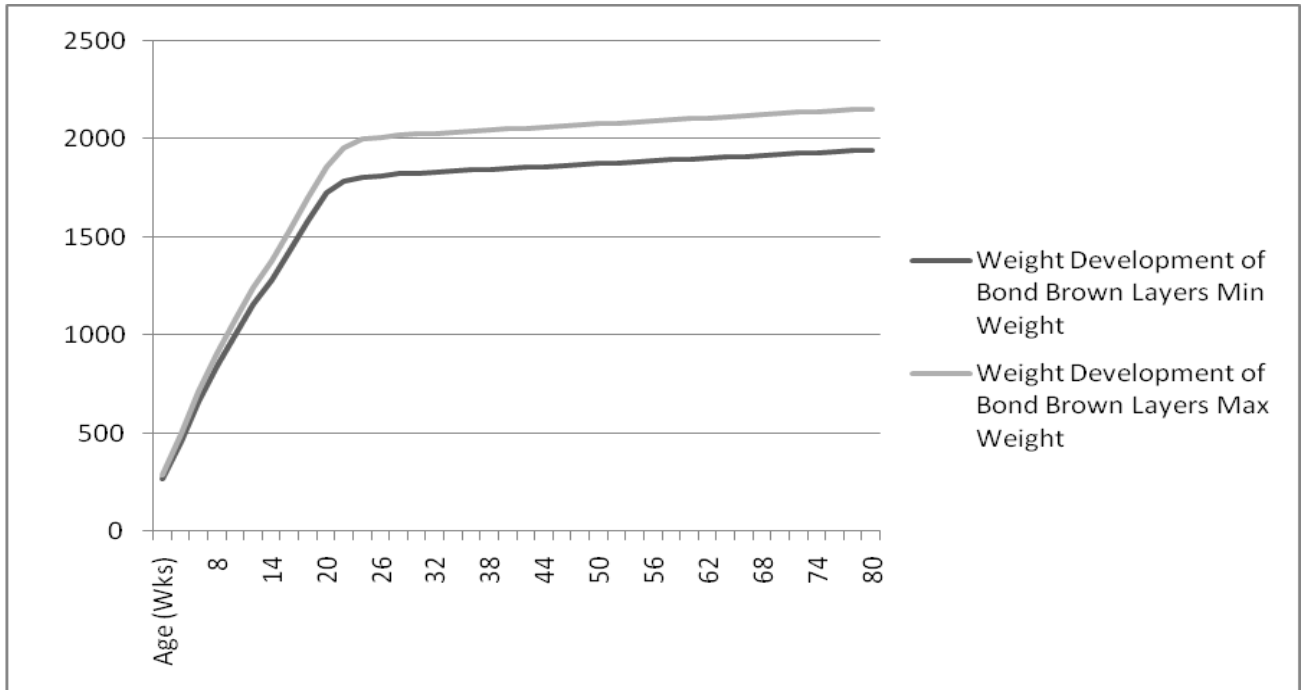
BOND BROWN

PERFORMANCE DATA – BOND BROWN LAYER		
EGG PRODUCTION	Age at 50% production	140 – 150 days
	Peak production	92 – 96 %
	Eggs per hen housed – 12 months of lay	295 - 305
	Eggs per hen housed – 14 months of lay	335 - 345
	Average Egg Weight – 12 months of lay	62 -64 g
	Average Egg Weight – 14 months of lay	64 – 66 g
EGG CHARACTERISTICS	Shell Colour	Uniformly Brown
FEED CONSUMPTION	1 16 wks	5.2 – 5.4 kg
	Production	112 122 g/day
	Feed Conversion	2.1 – 2.3 kg/kg
BODY WEIGHT	At 16 wks	1.3 – 1.4 kg
	At end of production	2 – 2.2 kg
LIVEABILITY	Rearing	97 – 98 %
	Laying Period	94 – 96 %

“The data provided by us has been generated by us from private research and information submitted by our customers and is a guide only. We do not warrant that the data is representative of results achieved in all or a majority of cases and merely represents the types of performance that have been achieved in the past. To the greatest extent permissible by law, all warranties in law and contract as to fitness of purpose and merchantable quality are negated.”

GROWTH CURVE

Weight Development of Bond Brown Layers



Age Wks	Weight Range (g)	Age Wks	Weight Range (g)	Age Wks	Weight Range (g)
4	265-685	30	1824-2016	56	1886-2084
6	458-492	32	1829-2021	58	1891-2090
8	661-709	34	1834-2027	60	1895-2095
10	843-905	36	1838-2032	62	1900-2100
12	1006-1080	38	1843-2037	64	1905-2105
14	1155-1239	40	1848-2042	66	1910-2111
16	1283-1377	42	1853-2048	68	1914-2116
18	1423-1527	44	1857-2053	70	1919-2121
20	1583-1697	46	1862-2058	72	1924-2126
22	1727-1853	48	1867-2063	74	1929-2132
24	1786-1954	50	1872-2069	76	1933-2137
26	1805-1995	52	1876-2074	78	1938-2142
28	1815-2006	54	1881-2079	80	1943-2147

BODYWEIGHT DEVELOPMENT

Bond Brown Pullets Bodyweight Development with Standard Lighting Program

Age Wks	Bodyweight (g)			Kcal/ bird/ day	Feed Consumption		Feed
	Average	Range			g/bird/ day	cumulative	
1	75	72	78	29	10	70	
2	130	125	135	44	16	182	
3	195	188	202	58	21	329	Starter
4	275	265	285	72	26	511	
5	367	354	380	92	33	742	
6	475	458	492	109	40	1022	
7	583	563	603	123	45	1337	
8	685	661	709	135	49	1680	
9	782	755	809	143	53	2051	
10	874	843	905	151	56	2443	
11	961	927	995	159	59	2856	
12	1043	1006	1080	167	62	3290	Grower
13	1123	1084	1162	174	64	3738	
14	1197	1155	1239	180	67	4207	
15	1264	1220	1308	184	68	4683	
16	1330	1283	1377	187	69	5166	
17	1400	1351	1449	192	71	5663	
18	1475	1423	1527	199	74	6181	Pre-
19	1555	1501	1609	216	80	6741	Layer
20	1640	1583	1697	243	90	7371	Layer

Bond Brown Pullets Bodyweight Development with Early Stimulation

Age Wks	Bodyweight (g)			Kcal/ bird/ day	Feed Consumption		Feed
	Average	Range			g/bird/ day	cumulative	
1	80	77	83	29	10	70	
2	140	135	145	44	15	175	Starter
3	210	203	217	58	20	315	
4	295	285	305	72	26	497	
5	390	376	404	92	33	728	
6	500	483	518	108	39	1001	
7	610	589	631	124	45	1316	Grower
8	715	690	740	139	51	1673	
9	815	786	844	148	55	2058	
10	910	878	942	157	58	2464	
11	1000	965	1035	165	61	2891	
12	1085	1047	1123	173	64	3339	Developer
13	1168	1127	1209	181	67	3808	
14	1245	1201	1289	189	70	4298	
15	1320	1274	1366	194	72	4802	
16	1395	1346	1444	200	74	5320	Pre
17	1475	1423	1527	211	78	5866	Layer
18	1560	1505	1615	224	83	6447	

NUTRITIONAL PROGRAM FOR BOND BROWN

Recommendations for Nutrient Levels

Nutrient	Pre Str Minimum	Chick Str Minimum	Pullet Grower Minimum	Pre-Layer Minimum	Early Lay Minimum	Mid Lay Minimum	Late Lay Minimum
	Rearing	Rearing	Rearing	Rearing			
Age	0-4 Wks	4-8 Wks	8-16 Wks	17-20 Wks	20-40 Wks	40-60 Wks	60 Plus
Protein	21	19.5	15.5	16.5	17	16.5	15.5
ME_PO KCAL	3000	2850	2700	2750	2800	2750	2750
ME_POIL MJ	12.55	11.93	11.3	11.51	11.73	11.51	11.51
CALCIUM	0.98	1	1	2.25	3.55	3.8	3.9
AV PHOS	0.45	0.5	0.5	0.47	0.47	0.46	0.44
NA	0.16	0.16	0.155	0.15	0.16	0.15	0.14
CL	0.18	0.17	0.16	0.15	0.16	0.15	0.14
LYSINE	1.2	1.03	0.71	0.78	0.8	0.78	0.74
METHIONINE	0.52	0.44	0.35	0.37	0.38	0.37	0.35
METH+CYST	0.87	0.78	0.6	0.68	0.7	0.68	0.64
THREONINE	0.77	0.68	0.52	0.52	0.54	0.52	0.49
TRYPTOPHAN	0.21	0.19	0.15	0.16	0.165	0.16	0.148
LINOLEIC	0.95	0.95	0.95	1.2	1.24	1.2	1.16

Recommended Supplements

Nutrient		Pre Starter	Chick Starter	Pullet Grower	Pre-Layer	Layer
VIT A	IU/g	10000	10000	10000	10000	10000
VIT D3	IU/g	2500	2500	2500	2500	2500
VIT E	mg/kg	20	20	20	20	20
VIT K3	mg/kg	2	2	2	2	2
VIT B1	mg/kg	2	2	2	2	2
VIT B2	mg/kg	4.5	4.5	4.5	4.5	4.5
VIT B6	mg/kg	3	3	3	3	3
VIT B12	mg/kg	0.01	0.01	0.01	0.01	0.01
NIACIN	mg/kg	25	25	25	25	25
PANTO	mg/kg	10	10	10	10	10
BIOTIN	mg/kg	0.1	0.1	0.1	0.1	0.1
FOLIC	mg/kg	0.735	0.735	0.735	0.735	0.735
FE	mg/kg	50	50	50	50	50
ZN	mg/kg	60	60	60	60	60
MN	mg/kg	70	70	70	70	70
CU	mg/kg	8	8	8	8	8
SE	mg/kg	0.1	0.1	0.1	0.1	0.1
MO	mg/kg	1	1	1	1	1
CO	mg/kg	0.3	0.3	0.3	0.3	0.3
I	mg/kg	1	1	1	1	1

PERFORMANCE GOALS

BOND BROWN Layers

Age in Wks	Egg No per H.H.	Rate of Lay %		Egg Weight (g)		Egg Mass kg/H.H.
	Cumulative	Per H.H.	Per H.D.	In the week	Cumulative	Cumulative
19	1.1	15.0	15.0	45.0	45.0	0.05
20	3.9	40.0	40.0	47.5	46.8	0.18
21	8.1	60.0	60.1	50.0	48.5	0.39
22	13.3	75.0	75.2	52.5	50.1	0.67
23	19.3	85.0	85.3	54.7	51.5	0.99
24	25.6	90.0	90.5	56.5	52.7	1.35
25	32.0	92.0	92.6	57.9	53.8	1.72
26	38.5	92.6	93.2	58.9	54.6	2.10
27	45.0	92.8	93.8	59.7	55.4	2.49
28	51.5	93.0	93.8	60.4	56.0	2.88
29	58.0	92.8	93.9	61.0	56.6	3.28
30	64.5	92.6	93.5	61.4	57.1	3.68
31	70.9	92.4	93.5	61.7	57.5	4.08
32	77.4	92.2	93.4	62.0	57.9	4.48
33	83.8	91.9	93.2	62.3	58.2	4.88
34	90.2	91.5	92.9	62.6	58.5	5.28
35	96.6	91.1	92.6	62.9	58.8	5.68
36	102.9	90.6	92.2	63.2	59.1	6.08
37	109.2	90.1	91.8	63.4	59.3	6.48
38	115.5	89.6	91.3	63.6	59.6	6.88
39	212.8	89.1	90.9	63.8	59.8	7.28
40	128.0	88.6	90.5	64.0	60.0	7.67
41	134.1	88.1	90.1	64.2	60.2	8.07
42	140.3	87.6	89.7	64.4	60.4	8.46
43	146.3	87.1	89.2	64.6	60.5	8.86
44	152.4	86.5	88.7	64.8	60.7	9.25
45	158.4	85.9	88.2	65.0	60.9	9.64
46	164.4	85.3	87.7	65.2	61.0	10.03
47	170.3	84.7	87.1	65.4	61.2	10.42
48	176.2	84.1	86.6	65.6	61.3	10.80
49	182.0	83.5	86.1	65.8	61.5	11.19
50	187.9	82.9	85.6	65.9	61.6	11.57
51	193.6	82.3	85.0	66.0	61.7	11.95
52	199.3	81.6	84.4	66.1	61.9	12.33
53	205.0	80.9	83.7	66.2	62.0	12.70
54	210.6	80.2	83.1	66.3	62.1	13.08
55	216.2	79.5	82.5	66.4	62.2	13.45
56	221.7	78.8	81.8	66.5	62.3	13.81
57	227.2	78.1	81.2	66.6	62.4	14.18
58	232.6	77.4	80.5	66.7	62.5	14.54
59	237.9	76.7	79.9	66.8	62.6	14.90
60	243.3	76.0	79.2	66.9	62.7	15.25

Age in Wks	Egg No per H.H.	Rate of Lay %		Egg Weight (g)		Egg Mass kg/H.H.
	Cumulative	Per H.H.	Per H.D.	In the week	Cumulative	Cumulative
61	248.5	75.2	78.5	67.0	62.8	15.61
62	253.7	74.4	77.7	67.1	62.9	15.96
63	258.9	73.6	77.0	67.2	63.0	16.30
64	264.0	72.8	76.2	67.3	63.1	16.64
65	269.0	72.0	75.5	67.4	63.1	16.98
66	274.0	71.2	74.7	67.5	63.2	17.32
67	278.9	70.4	73.9	67.6	63.3	17.65
68	283.8	69.6	73.2	67.7	63.4	17.98
69	288.6	68.8	72.4	67.8	63.4	18.31
70	293.4	68.0	71.7	67.9	63.5	18.63
71	298.1	67.1	70.8	68.0	63.6	18.95
72	302.7	66.2	69.9	68.1	63.7	19.27
73	307.3	65.3	69.0	68.2	63.7	19.58
74	311.8	64.4	68.1	68.3	63.8	19.89
75	316.2	63.5	67.3	68.4	63.9	20.19
76	320.6	62.6	66.4	68.5	63.9	20.49
77	324.9	61.7	65.5	68.6	64.0	20.79
78	329.2	60.8	64.6	68.7	64.0	21.08
79	333.4	59.9	63.7	68.8	64.1	21.37
80	337.5	59.0	62.8	68.9	64.2	21.65



PERFORMANCE GOALS

BOND BROWN Layers, early stimulation (Program B)

Age in Wks	Egg No per H.H.	Rate of Lay %		Egg Weight (g)		Egg Mass kg/H.H.
	Cumulative	Per H.H.	Per H.D.	In the week	Cumulative	Cumulative
18	0.7	10.0	10.0	41.0	41.0	0.03
19	3.2	35.0	35.0	44.0	43.3	0.14
20	7.0	55.0	55.1	47.0	45.4	0.32
21	11.9	70.0	70.2	49.5	47.1	0.56
22	17.6	81.0	81.3	51.7	48.6	0.85
23	23.7	88.0	88.4	53.6	49.9	1.18
24	30.1	90.8	91.3	55.3	51.0	1.53
25	36.6	92.4	93.1	56.8	52.0	1.90
26	43.1	93.0	93.8	58.0	52.9	2.28
27	49.6	93.3	94.1	59.1	53.8	2.67
28	56.1	93.5	94.4	60.1	54.5	3.06
29	62.7	93.4	94.4	60.9	55.2	3.46
30	69.2	93.2	94.3	61.5	55.8	3.86
31	75.7	92.9	94.1	61.9	56.3	4.26
32	82.2	92.6	93.9	62.2	56.8	4.66
33	88.6	92.3	93.7	62.5	57.2	5.07
34	95.1	91.9	93.4	62.7	57.5	5.47
35	101.5	91.5	93.1	62.9	57.9	5.87
36	107.9	91.1	92.8	63.1	58.2	6.28
37	114.2	90.6	92.4	63.3	58.5	6.68
38	120.5	90.1	91.9	63.5	58.7	7.08
39	126.8	89.9	91.5	63.7	59.0	7.48
40	133.0	89.1	91.1	63.9	59.2	7.88
41	139.2	88.6	90.7	64.1	59.4	8.27
42	145.4	88.1	90.3	64.3	59.6	8.67
43	151.5	87.6	89.8	64.5	59.8	9.07
44	157.6	87.1	89.4	64.7	60.0	9.46
45	163.7	86.5	88.9	64.9	60.2	9.85
46	169.7	85.9	88.4	65.0	60.4	10.24
47	175.7	85.3	87.8	65.1	60.5	10.63
48	181.6	84.7	87.3	65.2	60.7	11.02
49	187.5	84.1	86.8	65.3	60.8	11.40
50	193.3	83.5	86.3	65.4	61.0	11.79
51	199.1	82.9	85.7	65.5	61.1	12.17
52	204.9	82.2	85.1	65.6	61.2	12.54
53	210.6	81.5	84.5	65.7	61.3	12.92
54	216.2	80.8	83.8	65.8	61.5	13.29
55	221.8	80.1	83.2	65.9	61.6	13.66
56	227.4	79.4	82.5	66.0	61.7	14.03
57	232.9	78.7	81.9	66.1	61.8	14.39
58	238.4	78.0	81.3	66.2	61.9	14.75
59	243.8	77.2	80.5	66.3	62.0	15.11
60	249.1	76.4	79.7	66.4	62.1	15.47

Age in Wks	Egg No per H.H.	Rate of Lay %		Egg Weight (g)		Egg Mass kg/H.H.
	Cumulative	Per H.H.	Per H.D.	In the week	Cumulative	Cumulative
61	254.4	75.6	79.0	66.5	62.2	15.82
62	259.7	74.8	78.2	66.6	62.3	16.17
63	264.8	74.0	77.5	66.7	62.4	16.51
64	269.9	73.1	76.6	66.8	62.4	16.85
65	275.0	72.2	75.8	66.9	62.5	17.19
66	280.0	71.3	74.9	67.0	62.6	17.53
67	284.9	70.3	73.9	67.1	62.7	17.86
68	289.8	69.3	72.9	67.2	62.8	18.18
69	294.5	68.3	72.0	67.3	62.8	18.50
70	299.3	67.2	70.9	67.4	62.9	18.82
71	303.9	66.1	69.8	67.5	63.0	19.13
72	308.4	65.0	68.7	67.6	63.0	19.44
73	312.9	63.8	67.5	67.7	63.1	19.74
74	317.3	62.6	66.3	67.8	63.2	20.04
75	321.6	61.4	65.1	67.9	63.2	20.33
76	325.8	60.1	63.8	68.0	63.3	20.62
77	329.9	58.8	62.5	68.1	63.4	20.90
78	333.9	57.5	61.2	68.2	63.4	21.17
79	337.9	56.2	59.9	68.3	63.5	21.44
80	341.7	54.9	58.5	68.4	63.5	21.71

Expected Bond Brown Egg Grades

Weight Range	43-45	50-55	55	58-67	62-72	Up to 74	Larger than 74
	45	600	55	700	800	1kg	Jumbo
20	45	43	10	2			
21	39	47	10	2	1		0.5
22	20	53	15	10	1		0.5
23	13	38	18	30	1		0.5
24	8	30	20	40	1		0.5
25	6	30	23	40	1		0.5
26	5	27	25	42	1		0.5
27	3	26	27	42	1	0.5	0.5
28	2	22	30	44	1	0.5	0.5
29	2	20	32	43	2	0.5	0.5
30	2	19	33	42	4	0.5	0.5
31	2	18	34	42	4	0.5	0.5
32	2	18	34	42	4	0.5	0.5
33	1	17	34	41	5	0.5	0.5
34	1	16.5	33	40	5	0.5	0.5
35	1	16	33	41	7	0.5	0.5
36	1	15.5	31	41	9	0.5	0.5
37	1	15	30	40	11	0.5	0.5
38	1	14	30	40	12	0.5	0.5
39	1	14	29	40	14	1.5	0.5
40	1	13	28	40	16	1.5	0.5
41	1	12	27	39	17	1.5	0.5
42	0.5	12	26	39	18	1.5	1
43	0.5	12	26	39	18	1.5	1
44	0.5	12	26	39	20	2	1
45	0.5	10	26	38	20	2	2
46	0.5	8	25	38	21	3	2.5
47	0.5	7.5	25	38	21	4	4
48	0.2	7	24	37	21	4	4
49	0.1	6.5	24	37	22	5	4
50	0.1	6	23	37	22	6	4.5
51	1	5.5	23	37	23	6	5
52	0.1	5	21	37	23	6	6
53	0.1	5	21	36	23	7	6.5
54	0.1	5	21	36	23	8	7
55	0.1	4.5	21	35	23	8	8
56	0.1	4	20	35	23	8	9
57	0.1	4	19	35	24	8	10
58	0.1	3	19	35	24	8	11
59	0.1	3	18	35	24	9	11.5
60	0.1	2.5	18	35	24	9	12
61	0.1	2	17	35	24	10	13
62	0.1	2	16	34	24	10	13.5
63	0.1	2	15	33	24	11	14
64	0.1	2	15	33	24	11	15

65	0.1	2	14	33	24	11	16
66	0.1	2	12	33	24	13	16.5
67	0.1	2	12	32	24	13	17
68	0.1	2	11	32	24	13	17
69	0.1	2	11	32	24	14	17
70	0.1	2	10	32	24	14	18
71	0.1	1.5	9	32	25	14	18
72	0.1	1.5	8	32	26	14	18
73	0.1	1.5	8	32	26	14	18
74	0.1	1.5	4	32	27	15	19