

Guangming No.2

Parent Stock Performance Objectives
and Nutrition Specifications



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Introduction

This manual contains performance objectives and nutrition specifications of Guangming No.2 Parent stock.

Performance Objectives and Nutrition Specifications

Data contained within this booklet indicates the performance that can be achieved or exceed under good management and environmental conditions, and when feeding recommended nutrient levels of Guangming No.2 Parent stock.

Main Factors Affecting or Hindering Performance

- ◎ Quality of chicks
- ◎ Nutritional components of raw materials and nutrient intake
- ◎ Production under extreme weather
- ◎ Regional differences
- ◎ Restrictions on feeding and management
- ◎ Restrictions on rearing hardware
- ◎ Control of environment in chicken houses
- ◎ Economic constraints, etc.

Due to a variety of factors, actual average performance may be lower than the given performance objectives. Broiler breeder breeding not only needs egg-laying performance, but also inherits meat-growing performance to commercial broilers, so as to achieve low-cost feeding and high-efficiency output.

In the tables, values are rounded. This may result in small inaccuracies when using the objectives to calculate other performance statistics. In practice variations in performance due to regional differences, raw materials, equipment, feeding and management factors, etc.

While every attempt has been made to ensure the accuracy and relevance of the information presented, Shandong Guangming Biotechnology Co.,Ltd. accepts no liability for the consequences of using this information to manage broiler. For more information on the management of Guangming No.2 Parent stock, please contact your local Guangming No.2 Sales/Technical representative.

Summary of Performance Objectives of Guangming No.2 Parent Stock

Items	Production Objectives
Liveability (Rearing Period 0-24 Weeks) %	95-96
Liveability (Laying Period 25-64 Weeks) %	92
Age at 5% Egg Production (Weeks)	25
% Peak Production	88.5-92
Total Eggs (Hen-Housed Average 25-64 Weeks)	185-200
Hatching Eggs (Hen-Housed Average 25-64 Weeks)	180-190
% Hatchability	85-87
Chicks/Female Housed at 175 Days (25-64 Weeks)	150-160

Mortality and Cull Rate/Liveability/Rooster-to-Hen Ratio During Rearing Period

Age (Weeks)	Weekly Mortality and Cull Rate of Hens (%)	Cumulative Mortality and Cull Rate of Hens (%)	Liveability (%)	Weekly Mortality and Cull Rate of Roosters (%)	Cumulative Mortality and Cull Rate of Roosters (%)	Rooster-to-Hen Ratio (%)
1	-	-	100	-	-	15.0
2	0.3	0.3	99.7	0.4	0.4	14.6
3	0.2	0.5	99.5	0.3	0.7	14.3
4	0.2	0.7	99.3	0.3	1.0	14.0
5	0.2	0.9	99.1	0.2	1.2	13.8
6	0.2	1.1	98.9	0.2	1.4	13.6
7	0.2	1.3	98.7	0.2	1.6	13.4
8	0.2	1.5	98.5	0.2	1.8	13.2
9	0.2	1.7	98.3	0.2	2.0	13.0
10	0.2	1.9	98.1	0.2	2.2	12.8
11	0.2	2.1	97.9	0.2	2.4	12.6
12	0.2	2.3	97.7	0.2	2.6	12.4
13	0.2	2.5	97.5	0.2	2.8	12.2
14	0.2	2.7	97.3	0.2	3.0	12.0
15	0.2	2.9	97.1	0.2	3.2	11.8
16	0.2	3.1	96.9	0.2	3.4	11.6
17	0.2	3.3	96.7	0.2	3.6	11.4
18	0.2	3.5	96.5	0.2	3.8	11.2
19	0.2	3.7	96.3	0.2	4.0	11.0
20	0.2	3.9	96.1	0.2	4.2	10.8
21	0.2	4.1	95.9	0.2	4.4	10.6
22	0.2	4.3	95.7	0.2	4.6	10.4
23	0.2	4.5	95.5	0.2	4.8	10.2
24	0.2	4.7	95.3	0.2	5.0	10.0



Male Body Weight and Feeding Programme During Rearing Period

Age (Weeks)	Body Gain (g)	Weekly Gain (g)	Feed (g/bird/day)	Feed Increase (g/bird/day)	Energy Intake (kcal/bird/day)	Protein Intake (kcal/bird/day)	Type of Feed
1	170	170	25		70	4.8	Starter 1
2	380	210	43	18	120	8.2	Starter 1
3	660	280	50	7	140	9.5	Starter 1
4	900	240	55	5	154	9.4	Starter 2
5	1040	140	58	3	162	9.9	Starter 2
6	1160	120	61	3	171	10.4	Starter 2
7	1275	115	63	2	176	9.1	Grower
8	1375	100	64	1	179	9.3	Grower
9	1475	100	65	1	182	9.4	Grower
10	1575	100	66	1	185	9.6	Grower
11	1675	100	69	3	193	10.0	Grower
12	1785	110	72	3	202	10.4	Grower
13	1895	110	75	3	210	10.9	Grower
14	2015	120	78	3	218	11.3	Grower
15	2135	120	81	3	227	11.7	Grower
16	2275	140	85	4	238	12.3	Grower
17	2415	140	90	5	252	13.1	Grower
18	2555	140	95	5	266	13.8	Grower
19	2705	150	100	5	280	14.5	Grower
20	2855	150	104	4	281	13.5	Rooster
21	3005	150	107	3	289	13.9	Rooster
22	3155	150	109	2	294	14.2	Rooster
23	3305	150	111	2	300	14.4	Rooster
24	3445	140	113	2	305	14.7	Rooster
25	3585	140	115	2	311	15.0	Rooster

Female Body Weight and Feeding Programme During Rearing Period

Age (Weeks)	Body Weight (g)	Weekly Gain (g)	Feed (g/bird/day)	Feed Increase (g/bird/day)	Energy Intake (kcal/bird/day)	Protein Intake (kcal/bird/day)	Type of Feed
1	150	150	23		64	4.4	Starter 1
2	280	130	31	8	87	5.9	Starter 1
3	405	125	35	4	98	6.7	Starter 1
4	520	115	38	3	106	6.5	Starter 2
5	630	110	41	3	115	7.0	Starter 2
6	740	110	43	2	120	7.3	Starter 2
7	840	100	45	2	126	6.5	Grower
8	940	100	46	1	129	6.7	Grower
9	1035	95	47	1	132	6.8	Grower
10	1130	95	48	1	134	7.0	Grower
11	1225	95	50	2	140	7.3	Grower
12	1320	95	53	3	148	7.7	Grower
13	1420	100	57	4	160	8.3	Grower
14	1530	110	62	5	174	9.0	Grower
15	1650	120	68	6	190	9.9	Grower
16	1780	130	75	7	210	11.3	Pre-Breeder
17	1920	140	82	7	230	12.3	Pre-Breeder
18	2070	150	89	7	249	13.4	Pre-Breeder
19	2230	160	96	7	269	14.4	Pre-Breeder
20	2390	160	102	6	286	15.3	Pre-Breeder
21	2550	160	107	5	300	16.1	Pre-Breeder
22	2700	150	111	4	311	16.7	Pre-Breeder
23	2840	140	114	3	319	17.1	Pre-Breeder
24	2980	140	116	2	325	17.4	Pre-Breeder
25	3120	140	118	2	330	17.7	Breeder 1



Mortality and Cull Rate/Liveability/Rooster-to-Hen Ratio During Laying Period

Age (Weeks)	Weekly Mortality and Cull Rate of Hens (%)	Cumulative Mortality and Cull Rate of Hens (%)	Liveability (%)	Weekly Mortality and Cull Rate of Roosters (%)	Cumulative Mortality and Cull Rate of Roosters (%)	Rooster-to-Hen Ratio (%)
25	0.20	0.20	99.80	0.5	0.5	9.95
26	0.30	0.50	99.50	0.5	1.0	9.90
27	0.40	0.90	99.10	0.5	1.5	9.85
28	0.50	1.40	98.60	0.5	2.0	9.80
29	0.55	1.95	98.05	0.5	2.5	9.75
30	0.50	2.45	97.55	0.5	3.0	9.70
31	0.40	2.85	97.15	0.5	3.5	9.65
32	0.30	3.15	96.85	0.5	4.0	9.60
33	0.25	3.40	96.60	0.5	4.5	9.55
34	0.20	3.60	96.40	0.5	5.0	9.50
35	0.20	3.80	96.20	0.5	5.5	9.45
36	0.20	4.00	96.00	0.5	6.0	9.40
37	0.20	4.20	95.80	0.5	6.5	9.35
38	0.20	4.40	95.60	0.5	7.0	9.30
39	0.20	4.60	95.40	0.5	7.5	9.25
40	0.20	4.80	95.20	0.5	8.0	9.20
41	0.20	5.00	95.00	0.5	8.5	9.15
42	0.15	5.15	94.85	0.5	9.0	9.10
43	0.15	5.30	94.70	0.5	9.5	9.05
44	0.15	5.45	94.55	0.5	10.0	9.00
45	0.15	5.60	94.40	0.5	10.5	8.95
46	0.15	5.75	94.25	0.5	11.0	8.90
47	0.15	5.90	94.10	0.5	11.5	8.85
48	0.15	6.05	93.95	0.5	12.0	8.80
49	0.15	6.20	93.80	0.5	12.5	8.75
50	0.15	6.35	93.65	0.5	13.0	8.70
51	0.15	6.50	93.50	0.5	13.5	8.65
52	0.15	6.65	93.35	0.5	14.0	8.60
53	0.15	6.80	93.20	0.5	14.5	8.55
54	0.15	6.95	93.05	0.5	15.0	8.50
55	0.15	7.10	92.90	0.5	15.5	8.45
56	0.10	7.20	92.80	0.5	16.0	8.40
57	0.10	7.30	92.70	0.5	16.5	8.35
58	0.10	7.40	92.60	0.5	17.0	8.30
59	0.10	7.50	92.50	0.5	17.5	8.25
60	0.10	7.60	92.40	0.5	18.0	8.20
61	0.10	7.70	92.30	0.5	18.5	8.15
62	0.10	7.80	92.20	0.5	19.0	8.10
63	0.10	7.90	92.10	0.5	19.5	8.05
64	0.10	8.00	92.00	0.5	20.0	8.00

Male Body Weight and Feeding Programme During Laying Period

Age (Weeks)	Body Weight (g)	Weekly Gain (g)	Feed (g/bird/day)	Feed Increase (g/bird/day)	Energy Intake (kcal/bird/day)	Protein Intake (g/bird/day)	Type of Feed
26	3680	100	116	1	313	15.1	Rooster
27	3765	80	117	1	316	15.2	Rooster
28	3825	60	118	1	319	15.3	Rooster
29	3865	40	119	1	321	15.5	Rooster
30	3895	30	119	0	321	15.5	Rooster
31	3925	30	119	0	321	15.5	Rooster
32	3955	30	120	1	324	15.6	Rooster
33	3975	20	120	0	324	15.6	Rooster
34	3995	20	120	0	324	15.6	Rooster
35	4015	20	121	1	327	15.7	Rooster
36	4035	20	121	0	327	15.7	Rooster
37	4055	20	121	0	327	15.7	Rooster
38	4075	20	122	1	329	15.9	Rooster
39	4095	20	122	0	329	15.9	Rooster
40	4115	20	122	0	329	15.9	Rooster
41	4135	20	123	1	332	16.0	Rooster
42	4155	20	123	0	332	16.0	Rooster
43	4175	20	123	0	332	16.0	Rooster
44	4195	20	123	0	332	16.0	Rooster
45	4215	20	123	0	332	16.0	Rooster
46	4235	20	124	1	335	16.1	Rooster
47	4255	20	124	0	335	16.1	Rooster
48	4275	20	124	0	335	16.1	Rooster
49	4295	20	124	0	335	16.1	Rooster
50	4315	20	124	0	335	16.1	Rooster
51	4335	20	125	1	338	16.3	Rooster
52	4355	20	125	0	338	16.3	Rooster
53	4375	20	125	0	338	16.3	Rooster
54	4395	20	125	0	338	16.3	Rooster
55	4415	20	125	0	338	16.3	Rooster
56	4435	20	125	0	338	16.3	Rooster
57	4455	20	125	0	338	16.3	Rooster
58	4475	20	125	0	338	16.3	Rooster
59	4495	20	125	0	338	16.3	Rooster
60	4515	20	126	1	340	16.4	Rooster
61	4535	20	126	0	340	16.4	Rooster
62	4555	20	126	0	340	16.4	Rooster
63	4575	20	126	0	340	16.4	Rooster
64	4595	20	126	0	340	16.4	Rooster



Female Body Weight and Feeding Programme During Laying Period

Age (Weeks)	Body Weight (g)	Weekly Gain (g)	Feed (g/bird/day)	Feed Increase (g/bird/day)	Energy Intake (kcal/bird/day)	Protein Intake (g/bird/day)	Type of Feed
26	3240	120	Increase the Amount of Feed According to the Egg Production Rate After Starting and Postpartum				Breeder 1
27	3340	100					Breeder 1
28	3420	80					Breeder 1
29	3480	60	161.0		451	24.2	Breeder 1
30	3520	40	168.0	7	470	25.2	Breeder 1
31	3550	30	168.0	0	470	25.2	Breeder 1
32	3580	30	168.0	0	470	25.2	Breeder 1
33	3610	30	167.0	-1	468	25.1	Breeder 1
34	3640	30	166.0	-1	465	24.9	Breeder 1
35	3670	30	165.5	-0.5	463	24.0	Breeder 2
36	3690	20	165.0	-0.5	462	23.9	Breeder 2
37	3710	20	165.0	0	462	23.9	Breeder 2
38	3730	20	164.5	-0.5	461	23.9	Breeder 2
39	3750	20	164.0	-0.5	459	23.8	Breeder 2
40	3770	20	164.0	0	459	23.8	Breeder 2
41	3790	20	163.5	-0.5	458	23.7	Breeder 2
42	3810	20	163.0	-0.5	456	23.6	Breeder 2
43	3830	20	163.0	0	456	23.6	Breeder 2
44	3850	20	162.5	-0.5	455	23.6	Breeder 2
45	3870	20	162.0	-0.5	454	23.5	Breeder 2
46	3890	20	162.0	0	454	23.5	Breeder 2
47	3910	20	161.5	-0.5	452	23.4	Breeder 2
48	3930	20	161.0	-0.5	451	23.3	Breeder 2
49	3950	20	161.0	0	451	23.3	Breeder 2
50	3965	15	160.5	-0.5	449	23.3	Breeder 2
51	3980	15	160.0	-0.5	448	22.4	Breeder 3
52	3995	15	160.0	0	448	22.4	Breeder 3
53	4010	15	159.5	-0.5	447	22.3	Breeder 3
54	4020	10	159.0	-0.5	445	22.3	Breeder 3
55	4030	10	159.0	0	445	22.3	Breeder 3
56	4040	10	158.5	-0.5	444	22.2	Breeder 3
57	4050	10	158.0	-0.5	442	22.1	Breeder 3
58	4060	10	158.0	0	442	22.1	Breeder 3
59	4070	10	157.5	-0.5	441	22.1	Breeder 3
60	4080	10	157.0	-0.5	440	22.0	Breeder 3
61	4090	10	157.0	0	440	22.0	Breeder 3
62	4100	10	156.5	-0.5	438	21.9	Breeder 3
63	4110	10	156.0	-0.5	437	21.8	Breeder 3
64	4120	10	155.5	-0.5	435	21.8	Breeder 3

Female Feeding into Lay

Hen-Day (%)	Feed Increase (g)	Feed (g/bird)
25 weekend		118
5	2	120
10	2	122
15	2	124
20	2	126
25	3	129
30	3	132
35	3	135
40	3	138
45	3	141
50	4	145
55	4	149
60	4	153
65	4	157
70	4	161
75	4	165
80	3	168

Nutrition Specifications for Guangming No.2 Parent Stock

[illegible]