



BROILER

Performance Objectives 2026



Rustic Gold

Aviagen[®]



Introduction

This booklet contains the performance objectives for the Rustic Gold® Broiler and should be used in conjunction with Aviagen® broiler management advice.

The **Rustic Gold** is the choice for customers requiring a slower-growing bird with superior production characteristics and sector-leading feed efficiency and processing performance, balanced with exceptional levels of welfare and robustness.

The feather-sexable **Rustic Gold** is a combination of exclusively slower-growing parents: the Rustic female, delivering excellent reproductive traits, and the Gold male, a robust bird with superior feed efficiency and meat yield for the slower-growing sector.

Performance

These objectives indicate the performance achievable under good management and environmental conditions and when feeding recommended nutrient levels.

Producers may find that local factors prevent such performance from being achieved. For example:

- The availability of raw materials may limit nutrient content and intake.
- Extreme climatic conditions will reduce performance.
- Economic considerations may limit choice of production systems.

Therefore, average performance may be lower than the figures presented here.

In the tables, values are rounded. This may result in small inaccuracies when using the objectives to calculate other performance statistics.

Carcass and carcass component yields will vary among processing plants depending on the type of equipment being used (e.g. carcass chilling technology, automated versus manual deboning, sampling procedures or cutting variation) and the exact carcass component being produced. The carcass and carcass component yield values provided herein are based on extensive data analysis from trials conducted by Aviagen.

When comparing these values to observations within an operation, keep in mind that how the carcass or carcass component is defined can significantly impact the quantitative value. For example, as % of live weight, carcass yield can differ >2% due to the presence/absence of abdominal fat pad or water retention differences, resulting from the method of carcass chilling and cutting techniques used in the processing plant and feed withdrawal practices.

Further, dietary amino acid and energy density can significantly affect carcass and carcass component yield values. Aviagen will continue to evaluate these values.

Every attempt has been made to ensure the accuracy and relevance of the information presented. However, Aviagen accepts no liability for the consequences of using the information for the management of chickens.

For further information on the management of **Rustic Gold** stock, please contact your local Aviagen representative.



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Key Management Points

Cost effective production of chicken meat depends on achieving good bird performance; the following points are important for optimizing performance of the **Rustic Gold** broiler:

- Maximize chick quality by good management of hatching, storage and transport conditions.
- Design the brooding set-up to ensure easy access to water and feed at placement and to ease the transition between supplementary systems and the automated feeders and drinkers at 4-5 days.
- Feed a highly digestible, and nutritionally balanced Starter diet.
- Keep chicks in their thermal comfort zone by monitoring chick behavior, but beware of low relative humidities (less than 50% RH). Establish a minimum ventilation program from day one.
- Monitor crop fill, feeding and drinking behavior and 7-day live weight to allow continuous improvement of the brooding set-up.
- Keep birds in their thermal comfort zone throughout the growing period.
- Maintain high standards of biosecurity and cleanliness to keep disease challenge to a minimum.



As-Hatched Performance

Day	Weight (g)*	Daily Gain (g)	Av. Daily Gain (g)	Daily Intake (g)	Cum. Intake (g)**	FCR***
0	42					
1	58	16	16	10	10	0.181
2	75	17	16	13	24	0.320
3	93	18	17	17	41	0.441
4	112	19	17	20	61	0.546
5	133	21	18	24	85	0.635
6	156	23	19	27	111	0.714
7	181	25	20	30	142	0.780
8	209	27	21	33	175	0.838
9	239	30	22	37	212	0.888
10	270	31	23	40	252	0.933
11	303	33	24	43	295	0.974
12	339	36	25	47	342	1.008
13	376	37	26	50	392	1.041
14	416	40	27	53	445	1.070
15	458	42	28	57	502	1.096
16	502	44	29	60	562	1.120
17	548	46	30	64	626	1.142
18	596	48	31	67	693	1.163
19	645	49	32	71	764	1.184
20	696	51	33	74	838	1.204
21	748	52	34	78	916	1.224
22	802	53	35	82	998	1.244
23	857	55	35	85	1083	1.264
24	913	56	36	89	1172	1.284
25	970	57	37	93	1264	1.304
26	1028	58	38	97	1361	1.324
27	1089	60	39	100	1461	1.342
28	1149	60	40	104	1566	1.363
29	1211	62	40	108	1674	1.382
30	1273	62	41	112	1785	1.402
31	1337	64	42	115	1900	1.422
32	1401	64	42	118	2019	1.441
33	1466	65	43	121	2140	1.460
34	1531	65	44	124	2264	1.479
35	1597	66	44	127	2391	1.497
36	1665	68	45	129	2520	1.513
37	1733	68	46	130	2650	1.529
38	1801	68	46	132	2782	1.545
39	1869	68	47	134	2916	1.560
40	1938	69	47	135	3051	1.574

Day	Weight (g)*	Daily Gain (g)	Av. Daily Gain (g)	Daily Intake (g)	Cum. Intake (g)**	FCR***
41	2007	69	48	136	3187	1.588
42	2076	69	48	137	3324	1.601
43	2143	68	49	138	3461	1.615
44	2211	68	49	138	3600	1.628
45	2279	67	50	139	3739	1.641
46	2346	67	50	140	3878	1.653
47	2413	67	50	141	4019	1.666
48	2480	67	51	141	4160	1.678
49	2546	66	51	142	4303	1.690
50	2612	66	51	143	4445	1.702
51	2678	65	52	144	4589	1.714
52	2742	65	52	144	4733	1.726
53	2807	64	52	145	4878	1.738
54	2868	62	52	146	5024	1.751
55	2929	61	52	146	5170	1.765
56	2989	60	53	147	5317	1.779

* On-farm body weight (i.e. feed present in intestinal tract).

** Feed consumption per living bird.

*** FCR includes initial body weight at placement and does not account for mortality.

NOTES

In the table values are rounded. This may result in small inaccuracies when using the objectives to calculate other performance statistics.



Male Performance

Day	Weight (g) [*]	Daily Gain (g)	Av. Daily Gain (g)	Daily Intake (g)	Cum. Intake (g) ^{**}	FCR ^{***}
0	42					
1	58	16	16	10	10	0.181
2	75	17	17	15	26	0.346
3	93	18	17	18	44	0.476
4	113	20	18	22	66	0.586
5	135	21	19	26	92	0.680
6	158	23	19	29	121	0.765
7	184	24	20	33	154	0.834
8	212	26	21	36	190	0.894
9	243	28	22	40	229	0.943
10	275	30	23	43	272	0.990
11	309	32	24	46	319	1.031
12	346	35	25	50	368	1.065
13	384	37	26	53	422	1.098
14	425	39	27	57	478	1.125
15	468	41	28	60	538	1.149
16	513	43	29	63	601	1.172
17	560	46	30	67	668	1.193
18	609	48	32	70	738	1.212
19	660	50	33	74	812	1.231
20	713	52	34	78	890	1.248
21	768	54	35	81	971	1.264
22	824	55	36	85	1056	1.282
23	882	57	37	89	1145	1.298
24	941	58	37	93	1237	1.315
25	1002	60	38	96	1334	1.331
26	1064	61	39	100	1434	1.348
27	1129	62	40	104	1538	1.363
28	1193	63	41	108	1647	1.380
29	1259	64	42	112	1758	1.397
30	1325	65	43	116	1874	1.414
31	1393	65	44	119	1993	1.431
32	1461	66	44	122	2115	1.448
33	1530	67	45	125	2240	1.464
34	1599	67	46	128	2368	1.481
35	1669	68	46	131	2499	1.497
36	1743	69	47	133	2632	1.510
37	1817	70	48	135	2767	1.523
38	1892	71	49	137	2903	1.535
39	1965	72	49	138	3042	1.548
40	2040	72	50	140	3182	1.560

Day	Weight (g) [*]	Daily Gain (g)	Av. Daily Gain (g)	Daily Intake (g)	Cum. Intake (g) ^{**}	FCR ^{***}
41	2114	73	51	142	3324	1.572
42	2189	73	51	143	3467	1.584
43	2262	73	52	145	3612	1.597
44	2336	73	52	146	3758	1.609
45	2409	73	53	148	3906	1.621
46	2482	72	53	149	4055	1.634
47	2554	72	53	150	4205	1.646
48	2626	71	54	151	4356	1.659
49	2697	71	54	153	4509	1.672
50	2769	70	55	154	4663	1.684
51	2840	70	55	155	4818	1.696
52	2910	69	55	156	4973	1.709
53	2981	68	55	157	5130	1.721
54	3049	68	56	158	5288	1.734
55	3118	67	56	159	5446	1.747
56	3185	67	56	160	5606	1.760

* On-farm body weight (i.e. feed present in intestinal tract).

** Feed consumption per living bird.

*** FCR includes initial body weight at placement and does not account for mortality.

NOTES

In the table values are rounded. This may result in small inaccuracies when using the objectives to calculate other performance statistics.


Female Performance

Day	Weight (g) [*]	Daily Gain (g)	Av. Daily Gain (g)	Daily Intake (g)	Cum. Intake (g) ^{**}	FCR ^{***}
0	42					
1	58	16	16	10	10	0.181
2	74	17	16	11	22	0.294
3	92	18	17	15	37	0.405
4	111	19	17	18	56	0.504
5	132	21	18	22	77	0.588
6	154	23	19	25	102	0.661
7	179	25	20	28	130	0.725
8	205	27	20	31	160	0.780
9	234	29	21	34	194	0.830
10	265	31	22	37	232	0.874
11	298	33	23	40	272	0.914
12	332	35	24	44	316	0.950
13	369	37	25	47	363	0.983
14	408	39	26	50	413	1.013
15	449	41	27	54	467	1.040
16	492	43	28	57	524	1.065
17	536	45	29	60	584	1.089
18	583	46	30	64	648	1.112
19	630	48	31	67	715	1.135
20	679	49	32	71	786	1.158
21	729	50	33	75	861	1.181
22	780	51	34	78	939	1.204
23	831	52	34	82	1021	1.228
24	884	53	35	85	1106	1.251
25	938	54	36	89	1195	1.274
26	993	55	37	93	1288	1.297
27	1048	56	37	97	1384	1.321
28	1105	57	38	100	1485	1.344
29	1163	58	39	104	1589	1.367
30	1221	59	39	108	1697	1.390
31	1280	59	40	111	1808	1.412
32	1341	60	41	115	1923	1.434
33	1402	61	41	118	2040	1.456
34	1463	62	42	120	2160	1.477
35	1525	62	42	123	2283	1.497
36	1587	62	43	124	2407	1.517
37	1649	62	43	126	2534	1.536
38	1712	62	44	128	2661	1.555
39	1774	63	44	129	2790	1.572
40	1837	63	45	130	2919	1.589

Day	Weight (g) [*]	Daily Gain (g)	Av. Daily Gain (g)	Daily Intake (g)	Cum. Intake (g) ^{**}	FCR ^{***}
41	1900	63	45	130	3050	1.605
42	1963	63	46	130	3180	1.620
43	2025	62	46	130	3310	1.635
44	2087	62	46	130	3441	1.649
45	2149	62	47	131	3571	1.662
46	2211	62	47	131	3702	1.675
47	2272	62	47	131	3833	1.687
48	2333	61	48	131	3964	1.699
49	2395	61	48	132	4096	1.711
50	2456	61	48	132	4228	1.722
51	2516	60	49	132	4360	1.733
52	2575	59	49	133	4493	1.745
53	2632	58	49	133	4626	1.758
54	2688	56	49	133	4759	1.771
55	2741	54	49	134	4893	1.785
56	2793	52	49	134	5027	1.800

* On-farm body weight (i.e. feed present in intestinal tract).

** Feed consumption per living bird.

*** FCR includes initial body weight at placement and does not account for mortality.

NOTES

In the table values are rounded. This may result in small inaccuracies when using the objectives to calculate other performance statistics.



Carcass Yield

The following table indicates how yields of the major portions change with increasing live weight in each sex. Two types of processing are described: eviscerated yield is broken down into breast meat, thigh and drumstick to represent a portioning operation and into breast meat and leg meat to represent a deboning operation.




Rustic Gold Male



Live Weight (kg)	PORTION					DEBONE		
	Eviscerated %	Breast %	Thigh %	Drumstick %	Wing %	Leg Meat %	Breast %	Total Meat %
1.6	69.19	20.33	12.67	9.84	7.64	14.69	20.33	65.17
1.8	70.03	21.33	12.93	9.79	7.60	15.16	21.33	66.81
2.0	70.71	22.12	13.13	9.76	7.56	15.55	22.12	68.12
2.2	71.27	22.78	13.29	9.74	7.53	15.84	22.78	69.18
2.4	71.73	23.31	13.44	9.72	7.50	16.10	23.31	70.07
2.6	72.13	23.75	13.55	9.69	7.49	16.31	23.75	70.79
2.8	72.46	24.14	13.64	9.67	7.46	16.49	24.14	71.40
3.0	72.74	24.46	13.73	9.66	7.45	16.65	24.46	71.95
3.2	72.99	24.74	13.80	9.64	7.43	16.77	24.74	72.38
3.4	73.21	24.98	13.87	9.63	7.42	16.89	24.98	72.79
3.6	73.40	25.20	13.93	9.62	7.41	17.00	25.20	73.16
3.8	73.58	25.39	13.97	9.60	7.40	17.09	25.39	73.45
4.0	73.73	25.55	14.02	9.59	7.39	17.16	25.55	73.71
4.2	73.87	25.70	14.06	9.59	7.39	17.23	25.70	73.97
4.4	73.99	25.84	14.10	9.57	7.37	17.29	25.84	74.17
4.6	74.11	25.95	14.12	9.57	7.36	17.35	25.95	74.35
4.8	74.21	26.06	14.15	9.55	7.36	17.41	26.06	74.53

DEFINITION OF PROCESSING TERMS:

Leg Meat %: Whole leg (without skin and bone) as a percentage of live weight.

Total Meat %: Whole leg and breast (without skin and bone) as a percentage of live weight.

	Eviscerated %: Eviscerated carcass (without neck, abdominal fat and internal organs) as a percentage of live weight.
	Breast %: Breast meat (without skin and bone) as a percentage of live weight.
	Thigh %: Whole thigh (with skin and bone) as a percentage of live weight.

	Drumstick %: Whole drumstick (with skin and bone) as a percentage of live weight.
	Wing %: Whole wing, clean cut at the joint (with skin and bone) as a percentage of live weight.

NOTES

These figures represent dry yield. They do not include any moisture retained during chilling or processing. Carcass component yields will vary among processing plants depending on, for example, type of equipment used and the exact portion(s) being produced.

Carcass Yield

The following table indicates how yields of the major portions change with increasing live weight in each sex. Two types of processing are described: eviscerated yield is broken down into breast meat, thigh and drumstick to represent a portioning operation and into breast meat and leg meat to represent a deboning operation.






Rustic Gold Female

Live Weight (kg)	PORTION					DEBONE		
	Eviscerated %	Breast %	Thigh %	Drumstick %	Wing %	Leg Meat %	Breast %	Total Meat %
1.6	69.52	21.87	12.88	9.41	7.62	15.33	21.87	67.11
1.8	70.45	23.04	13.03	9.33	7.57	15.47	23.04	68.44
2.0	71.20	23.98	13.14	9.25	7.52	15.56	23.98	69.45
2.2	71.81	24.74	13.23	9.19	7.49	15.65	24.74	70.30
2.4	72.31	25.36	13.32	9.14	7.47	15.71	25.36	71.00
2.6	72.75	25.92	13.38	9.10	7.43	15.77	25.92	71.60
2.8	73.12	26.40	13.45	9.06	7.42	15.82	26.40	72.15
3.0	73.44	26.81	13.50	9.04	7.41	15.86	26.81	72.62
3.2	73.72	27.18	13.55	9.00	7.39	15.91	27.18	73.03
3.4	73.97	27.50	13.59	8.98	7.38	15.94	27.50	73.39
3.6	74.20	27.78	13.63	8.96	7.36	15.96	27.78	73.69
3.8	74.41	28.04	13.66	8.93	7.35	15.99	28.04	73.97
4.0	74.54	28.25	13.63	8.92	7.33	15.96	28.25	74.09

DEFINITION OF PROCESSING TERMS:

Leg Meat %: Whole leg (without skin and bone) as a percentage of live weight.

Total Meat %: Whole leg and breast (without skin and bone) as a percentage of live weight.

	Eviscerated %: Eviscerated carcass (without neck, abdominal fat and internal organs) as a percentage of live weight.		Drumstick %: Whole drumstick (with skin and bone) as a percentage of live weight.
	Breast %: Breast meat (without skin and bone) as a percentage of live weight.		Wing %: Whole wing, clean cut at the joint (with skin and bone) as a percentage of live weight.
	Thigh %: Whole thigh (with skin and bone) as a percentage of live weight.		

NOTES

These figures represent dry yield. They do not include any moisture retained during chilling or processing. Carcass component yields will vary among processing plants depending on, for example, type of equipment used and the exact portion(s) being produced.



NOTES

A series of horizontal dotted lines for taking notes.



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