



## FEEDING RECOMMENDATIONS FOR PARENT STOCK NORTH AND SOUTH AMERICA

### Rearing Diets

		STARTER	REARER	GROWER 1	GROWER 2	GROWER 3	GROWER 4
Hens	Days	0-14*	15-42*	43-70*	71-84*	85-203**	as needed
Toms	Days	0-28*	29-42*	43-70*	71-112*	113-selection ***	
Protein	%	25-26	21-22	16-17	12-14	9-12	8-10
Energy	Cals/lb	1250	1250	1270	1270	1270	1270
	Kcal/kg	2756	2756	2800	2800	2800	2800
<b>AMINO ACIDS</b>		Total   Digestible					
Lysine	%	1.55   1.40	1.15   1.04	0.90   0.81	0.65   0.58	0.45   0.40	0.30   0.25
Methionine.	%	0.60   0.56	0.45   0.41	0.38   0.34	0.29   0.26	0.25   0.22	0.19   0.17
M+C	%	1.05   0.93	0.80   0.73	0.68   0.61	0.52   0.47	0.45   0.40	0.35   0.31
Tryptophan	%	0.25   0.22	0.20   0.18	0.17   0.15	0.15   0.13	0.15   0.13	0.13   0.11
Threonine	%	0.99   0.89	0.74   0.67	0.61   0.55	0.42   0.38	0.29   0.26	0.22   0.20
Arginine	%	1.67   1.50	1.26   1.13	0.98   0.89	0.74   0.67	0.53   0.47	0.39   0.35
<b>MINERALS</b>							
Calcium (minimum)	%	1.45	1.35	1.25	1.10	1.00	1.00
Available Phosphorus (min)	%	0.73	0.68	0.62	0.55	0.50	0.50
Sodium (min.)	%	0.17	0.16	0.16	0.16	0.16	0.16
Potassium (guide)	%	1.15	1.10	1.00	0.90	0.85	0.80
Chloride (min)	%	0.20	0.20	0.18	0.18	0.18	0.18
Linoleic Acid (18:2) (min)	%	1.25	1.20	1.10	1.00	1.00	0.90

\* The ages shown are a guide, see feeding guidelines for more detail.

\*\* If Hen weights rise above the target line after 12 weeks of age then the Grower 4 ration should be used.

\*\*\* Toms being control fed can be fed Grower 2 or Controlled Tom diet.

Metabolizable energy and Digestible Amino Acids are based on Adult Chicken Values

0610 Edition



**FEEDING RECOMMENDATIONS FOR PARENT STOCK**  
**NORTH AND SOUTH AMERICA**  
**NICHOLAS PARENT STOCK**

**Laying Diets**

		<b>BREEDER 1</b>		<b>BREEDER 2</b>		<b>BREEDER 3</b>	
		<b>HOT</b>		<b>MODERATE</b>		<b>COOL</b>	
Temperature		<b>91°F+ (32°C+)</b>		<b>71°-90°F (21°-32°C)</b>		<b>45°-70°F (7°-21°C)</b>	
Protein	%	18-20		17-18		15.5-16.5	
Energy	Cals/lb	1300		1280		1270	
	Kcals/kg	2865		2820		2800	
<b>AMINO ACIDS</b>		Total	Digestible	Total	Digestible	Total	Digestible
Lysine	%	0.88	0.82	0.83	0.77	0.78	0.73
Methionine.	%	0.45	0.42	0.40	0.37	0.37	0.34
M+C	%	0.70	0.65	0.66	0.61	0.62	0.58
Tryptophan	%	0.18	0.17	0.17	0.16	0.16	0.15
Threonine	%	0.61	0.57	0.59	0.55	0.57	0.53
Arginine	%	0.88	0.82	0.86	0.80	0.85	0.79
<b>MINERALS</b>							
Calcium (minimum)	%	2.90		2.85		2.80	
Available Phosphorus (min)	%	0.40		0.38		0.35	
Sodium (min.)	%	0.20		0.18		0.17	
Potassium (guide)	%	0.85		0.85		0.85	
Chloride (min)	%	0.22		0.21		0.20	
Linoleic Acid (18:2) (min)	%	1.55		1.55		1.50	
The rations should contain a minimum of 6% total fat of which at least 3% is added oil. In hot weather added fat should be increased to 5%							

<b>MALE FEEDING</b>			
<b>Full Fed Tom</b>		<b>Control Fed Tom</b>	
<b>Selection to end</b>		<b>Selection to end</b>	
9-12		14-15	
1270		1300	
2800		2866	
Total	Digestible	Total	Digestible
0.45	0.40	0.65	0.58
0.25	0.22	0.29	0.26
0.45	0.40	0.52	0.47
0.15	0.13	0.16	0.14
0.29	0.26	0.42	0.38
0.53	0.47	0.74	0.67
1.00		1.10	
0.50		0.55	
0.16		0.16	
0.85		0.90	
0.18		0.18	
1.00		1.00	
Males should receive the same vitamin and trace mineral supplementation as breeder layers.			

**Phase feeding in Laying Period**

Flocks can be stepped down to a lower specification diets after 12-14 weeks of lay .  
 We would recommend reviewing this with a Nicholas service person.

	<b>From Lighting to 12 weeks of Lay</b>	<b>From 12 Weeks till end of Lay</b>
Autumn to Spring	Breeder 2	Breeder 3
Summer	Breeder 1	Breeder 2