

PARENT STOCK NUTRIENT GUIDELINES (REARING)

	STARTER #1	STARTER #2	GROWER #1	GROWER #2	HOLDING #1 ²	HOLDING #2 ²	PRE-LAYER ³
Females weeks of age	0-2	2-4	4-7	7-12	12-lighting	24-lighting	28-30
Males weeks of age	0-4	4-8	8-12	12-Selection ⁵	-	-	-
Crude protein %	25.00-26.00	22.00-23.00	19.00-20.00	14.00-15.00	10.00-12.00	12.00-14.00	16.0.0
ME MJ/kg	11.51	11.51	11.72	11.72	11.30-11.72	11.30-11.72	12.35
ME kcal/lb	1250	1250	1270	1270	1225-1270	1225-1270	1340
ME kcal/kg	2750	2750	2800	2800	2700-2800	2700-2800	2950
Total lysine %	1.60-1.65	1.50-1.55	1.15-1.20	0.70-0.75	0.40-0.45	0.50-0.55	0.90
Available lysine %	1.44-1.49	1.34-1.38	1.03-1.07	0.60-0.64	0.32-0.36	0.40-0.44	0.81
Total arginine %	1.60-1.65	1.50-1.55	1.15-1.20	0.70-0.75	0.40-0.45	0.50-0.55	0.90
Available arginine %	1.44-1.49	1.34-1.38	1.03-1.07	0.60-0.64	0.32-0.36	0.40-0.44	0.81
Total methionine %	0.61-0.63	0.55-0.57	0.43-0.45	0.34-0.36	0.20-0.23	0.25-0.28	0.40
Available methionine %	0.57-0.59	0.51-0.53	0.39-0.41	0.31-0.33	0.17-0.20	0.21-0.24	0.38
Total methionine + cysteine %	1.04-1.07	0.94-0.97	0.76-0.79	0.61-0.65	0.41-0.45	0.51-0.55	0.68
Available methionine + cysteine %	0.94-0.97	0.83-0.85	0.67-0.70	0.53-0.57	0.33-0.36	0.41-0.44	0.61
Total threonine %	0.98-1.01	0.91-0.94	0.70-0.73	0.43-0.46	0.24-0.27	0.30-0.33	0.59
Available threonine %	0.85-0.88	0.79-0.81	0.61-0.63	0.35-0.37	0.19-0.21	0.24-0.26	0.51
Total tryptophan %	0.26-0.27	0.25-0.26	0.19-0.20	0.12-0.13	0.06-0.07	0.08-0.09	0.15
Available tryptophan %	0.24-0.25	0.22-0.23	0.17-0.18	0.10-0.11	0.05-0.06	0.06-0.07	0.13
Total valine %	1.13-1.16	1.06-1.09	0.82-0.85	0.50-0.54	0.28-0.32	0.35-0.39	0.70
Available valine %	1.01-1.04	0.94-0.97	0.72-0.75	0.42-0.45	0.22-0.25	0.27-0.30	0.62
Total isoleucine %	0.96-0.99	0.90-0.93	0.69-0.72	0.42-0.45	0.24-0.27	0.30-0.33	0.54
Available isoleucine %	0.88-0.91	0.81-0.83	0.63-0.65	0.37-0.39	0.20-0.22	0.25-0.27	0.49
Total calcium %	1.40	1.40	1.30	1.15	1.00	1.00	1.90
Available phosphorus %	0.75	0.75	0.65	0.58	0.50	0.50	0.52
Total sodium %	0.17	0.17	0.18	0.18	0.18	0.18	0.18
Total chloride % minimum	0.18	0.18	0.19	0.19	0.19	0.19	0.19
Total chloride % maximum	0.30	0.30	0.30	0.30	0.30	0.30	0.30

1. A range of amino acid values are presented due to the affect of management and environmental conditions on growth rates. For instance, the higher amino acid values may be considered during heat stress if growth rates are less than desired.
2. Holding #1 is preferred over Holding #2 to control body weight gain. Holding #2 is given only if accelerated growth rates are required.
3. Pre-Layer can be fed if bodyweight is less than the goal. This diet can only be fed for 2 weeks maximum prior to lighting.
4. Diet changes should be based upon body weight. Consult the Hybrid Parent Stock Performance Goals for body weight and feed consumption information for the time period during which each diet is fed.
5. XL, Converter and Grade Maker products have the same Parent Stock male. Hybrid recommends that Parent Stock males are selected as breeder candidates close to the age that commercial progeny are slaughtered. Males are assumed, in this table, to be selected as breeder candidates at 18-21 weeks of age which is typical for XL and Converter Parent Stock. Grade Maker Parent Stock males are generally selected at 16-18 weeks of age.
6. The information contained herein is a recommendation only and may not reflect the regulations in all geographic regions. Please consult local regulatory boards when considering applicability.