



An Aviagen Brand

INDIAN RIVER MEAT

Parent Stock Nutrition Specifications



TABLE OF CONTENTS

Page 2	Introduction
Page 3	Female Parent Stock Nutrient Specifications
Page 4	Female Parent Stock Nutrient Allocations at Peak Performance
Page 4	Male Parent Stock Nutrition Specifications

Introduction

This booklet contains the nutrition specifications for Indian River Meat Parent Stock and is to be used with the Indian River Parent Stock Management Handbook and the Indian River Meat Parent Stock Performance Objectives.

Performance

To achieve optimal reproductive performance, it is important that the body weight profiles recommended in the Indian River Meat Parent Stock Performance Objectives are followed. For the nutritional recommendations that follow, nutrient specifications presented have been based upon daily energy allocations that enable body weight profiles to be achieved.

The feed specifications are based on a 2-stage rearing program.

Please note these nutrient recommendations are based on the specified energy levels. Adjustment of nutrient levels must be made to reflect the feeding of different energy levels. Feed allocation should be determined by body weight and egg production levels, and therefore altered to maintain the recommended weight and egg production profiles.

It may be beneficial to use a separate male diet during the production period. A specification for a male diet is provided in this booklet.

For further information regarding these recommendations, or for more specialized situations and advice on local markets, please contact your Aviagen Nutritionist or Technical Service Manager.

Indian River Meat Parent Stock Nutrition Specifications

Female Parent Stock Nutrient Specifications

Two Stage Rearing Program

		STARTER		GROWER		BREEDER 1		BREEDER 2**	
Age fed	days	0-28		29 to 5% production		from 5% production		after 245 days	
Energy per kg	kcal	2800		2800		2800		2800	
	MJ	11.7		11.7		11.7		11.7	
Energy per lb	kcal	1270		1270		1270		1270	
AMINO ACIDS*		TOTAL	DIGEST ¹	TOTAL	DIGEST ¹	TOTAL	DIGEST ¹	TOTAL	DIGEST ¹
Lysine	%	1.06	0.95	0.68	0.61	0.67	0.60	0.62	0.56
Methionine & Cystine	%	0.84	0.74	0.62	0.55	0.64	0.56	0.62	0.55
Methionine	%	0.46	0.40	0.37	0.33	0.40	0.35	0.39	0.34
Threonine	%	0.72	0.64	0.54	0.48	0.53	0.47	0.50	0.45
Valine	%	0.80	0.71	0.64	0.57	0.63	0.56	0.59	0.53
Isoleucine	%	0.70	0.62	0.56	0.50	0.59	0.53	0.57	0.51
Arginine	%	1.17	1.05	0.84	0.76	0.88	0.79	0.85	0.77
Tryptophan	%	0.19	0.16	0.16	0.14	0.16	0.14	0.15	0.13
Leucine	%	1.23	1.11	0.84	0.76	1.04	0.94	1.00	0.90
Crude Protein	%	19.00		15.00		15.00		14.00	
MINERALS*									
Calcium	%	1.00		0.90		3.00		3.20	
Available Phosphorus	%	0.45		0.42		0.35		0.32	
Sodium	%	0.16-0.23		0.16-0.23		0.15-0.20		0.15-0.20	
Chloride	%	0.16-0.23		0.16-0.23		0.16-0.23		0.16-0.23	
Potassium	%	0.40-0.90		0.40-0.90		0.60-0.90		0.60-0.90	
ADDED TRACE MINERALS PER KG									
Copper	mg	16		16		10		10	
Iodine	mg	1.25		1.25		2.00		2.00	
Iron	mg	40		40		50		50	
Manganese	mg	120		120		120		120	
Selenium	mg	0.30		0.30		0.30		0.30	
Zinc	mg	110		110		110		110	
ADDED VITAMINS PER KG		Wheat Based Feed	Maize Based Feed	Wheat Based Feed	Maize Based Feed	Wheat Based Feed	Maize Based Feed	Wheat Based Feed	Maize Based Feed
Vitamin A	IU	11000	10000	11000	10000	12000	11000	12000	11000
Vitamin D3	IU	3500	3500	3500	3500	3500	3500	3500	3500
Vitamin E	IU	100	100	100	100	100	100	100	100
Vitamin K (Menadione)	mg	3	3	3	3	5	5	5	5
Thiamin (B1)	mg	3	3	3	3	3	3	3	3
Riboflavin (B2)	mg	6	6	6	6	12	12	12	12
Nicotinic Acid	mg	30	35	30	35	50	55	50	55
Pantothenic Acid	mg	13	15	13	15	13	15	13	15
Pyridoxine (B6)	mg	4	3	4	3	5	4	5	4
Biotin	mg	0.20	0.15	0.20	0.15	0.30	0.25	0.30	0.25
Folic Acid	mg	1.50	1.50	1.50	1.50	2.00	2.00	2.00	2.00
Vitamin B12	mg	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03
Minimum Specification									
Choline per kg	mg	1400		1300		1200		1050	
Linoleic Acid	%	1.00		1.00		1.25		1.25	

Digest¹ = Digestible

* Energy base value. Nutrients should be factored accordingly when feeding differing energy values.

** A breeder 2 can be useful to help control egg size and improve shell quality.

NOTES

These feed specifications should be used as a guide. They may require adjustment for local conditions, legislation and markets.

Indian River Meat Parent Stock Nutrition Specifications

Female Parent Stock Nutrient Allocations at Peak Production

NUTRIENT	NUTRIENT ALLOCATION AT PEAK
Energy (kcal/bird/day)	473
DIGESTIBLE AMINO ACIDS (mg/bird/day)	
Lysine	1019
Methionine & Cystine	952
Methionine	595
Threonine	797
Valine	948
Isoleucine	887
Arginine	1338
Tryptophan	234
MINERALS (mg/bird/day)	
Calcium	5070
Available Phosphorus	592

NOTES

These feed specifications should be used as a guide. They may require adjustment for local conditions, legislation and markets.

These nutrient allocations at peak are based on feeding 169 g (37.2 lb/100 birds/day) of a 2800 kcal ME/kg (1270 kcal ME/lb) diet.

Male Parent Stock Nutrition Specifications

Two Stage Rearing Program. The male diet is provided when birds are moved to the laying house or at photo-stimulation.

		MALE FEED	
Energy per kg	kcal	2750	
	MJ	11.5	
Energy per lb	kcal	1248	
AMINO ACIDS*		TOTAL	DIGEST¹
Lysine	%	0.50	0.45
Methionine & Cystine	%	0.49	0.43
Methionine	%	0.32	0.29
Threonine	%	0.38	0.34
Valine	%	0.43	0.38
Isoleucine	%	0.39	0.35
Arginine	%	0.59	0.53
Tryptophan	%	0.10	0.08
Leucine	%	0.59	0.53
Crude Protein	%	12.00	
MINERALS*			
Calcium	%	0.70	
Available Phosphorus	%	0.35	
Sodium	%	0.15-0.20	
Chloride	%	0.16-0.23	
Potassium	%	0.60-0.90	
ADDED TRACE MINERALS PER KG			
Copper	mg	10	
Iodine	mg	2	
Iron	mg	50	
Manganese	mg	120	
Selenium	mg	0.3	
Zinc	mg	110	
ADDED VITAMINS PER KG		Wheat Based Feed	Maize Based Feed
Vitamin A	IU	12000	11000
Vitamin D3	IU	3500	3500
Vitamin E	IU	100	100
Vitamin K (Menadione)	mg	5	5
Thiamin (B1)	mg	3	3
Riboflavin (B2)	mg	12	12
Nicotinic Acid	mg	50	55
Pantothenic Acid	mg	13	15
Pyridoxine (B6)	mg	5	4
Biotin	mg	0.30	0.25
Folic Acid	mg	2.00	2.00
Vitamin B12	mg	0.03	0.03
Minimum Specification			
Choline per kg	mg	1000	
Linoleic Acid	%	1.00	

Digest¹ = Digestible

* Energy base value. Nutrients should be factored accordingly when feeding differing energy values.

NOTES

These feed specifications should be used as a guide. They may require adjustment for local conditions, legislation and markets.



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, please contact your local Nutrition or Technical Service Manager.

www.aviagen.com