



**FEEDING RECOMMENDATIONS FOR COMMERCIAL STOCK**  
**NORTH AND SOUTH AMERICA**  
 Specifications to Maximize Performance

**COMMERCIAL STOCK**

Ration No.		1		2		3		4		5		6		7		8	
Males	DAYS	0-28		29-42		43-63		64-84		85-98		99-112		113-126		127-147	
Males	WEEKS	0-4		5-6		7-9		10-12		13-14		15-16		17-18		19-21	
Females	DAYS	0-28		29-42		43-56		57-70		71-84		85-98		99-112		113-140	
Females	WEEKS	0-4		5-6		7-8		9-10		11-12		13-14		15-16		17-20	
Protein	%	26-28		24-26		23-25		20-22		18-20		16-18		15-17		14-16	
Energy	Cals/Lb	1373		1409		1432		1477		1500		1523		1568		1591	
	Kcals/kg	3020		3100		3150		3250		3300		3350		3450		3500	
<b>AMINO ACIDS</b>		Total	Digestible	Total	Digestible	Total	Digestible	Total	Digestible	Total	Digestible	Total	Digestible	Total	Digestible	Total	Digestible
Lysine	%	1.82	1.73	1.62	1.53	1.47	1.37	1.31	1.21	1.17	1.08	1.09	0.99	1.01	0.92	0.90	0.82
Methionine.		0.65	0.62	0.59	0.56	0.54	0.50	0.49	0.45	0.45	0.42	0.42	0.38	0.41	0.38	0.39	0.35
M+C	%	1.18	1.12	1.07	1.01	0.99	0.92	0.90	0.82	0.82	0.75	0.76	0.69	0.75	0.68	0.70	0.64
Threonine	%	1.06	1.01	0.96	0.90	0.88	0.82	0.80	0.73	0.73	0.67	0.67	0.61	0.62	0.57	0.57	0.52
Tryptophan	%	0.26	0.25	0.26	0.24	0.24	0.22	0.22	0.20	0.21	0.20	0.20	0.18	0.20	0.18	0.18	0.16
Arginine	%	1.86	1.77	1.67	1.57	1.51	1.40	1.35	1.25	1.21	1.11	1.12	1.02	1.05	0.96	0.95	0.86
Valine	%	1.22	1.16	1.10	1.04	1.01	0.94	0.92	0.85	0.83	0.77	0.77	0.70	0.73	0.66	0.67	0.61
iso-Leucine	%	1.11	1.06	0.99	0.93	0.91	0.85	0.81	0.75	0.74	0.68	0.69	0.62	0.65	0.59	0.59	0.53
<b>MINERALS</b>																	
Calcium*	%	1.49		1.38		1.24		1.14		1.00		1.01		0.93		0.82	
Av. Phos*	%	0.76		0.69		0.62		0.57		0.50		0.51		0.46		0.41	
NPP**	%	0.73		0.68		0.63		0.58		0.50		0.51		0.46		0.41	
Sodium	%	0.17		0.17		0.16		0.16		0.15		0.15		0.15		0.15	
Chloride	%	0.20		0.20		0.19		0.19		0.18		0.18		0.19		0.19	
Linoleic Acid (18:2)	%	1.25		1.20		1.10		1.00		1.00		0.90		0.90		0.90	

NOTE: This program is based on ages that the rations should be fed. The lbs/kgs per ration should be adjusted to fit the consumption pattern of the bird.

Metabolizable energy and Digestible Amino Acids are based on adult chicken values as at present insufficient information is available to assign specific turkey values.

Phosphorus and Calcium\* see revised recommendations tech sheet for more details

NPP\*\* - None Phytate Phosphorus





## FEEDING RECOMMENDATIONS FOR COMMERCIAL STOCK

### Vitamin and Trace Mineral Additions

		STARTING		STARTING		GROWER		EARLY FINISHER		FINISHER	
		0-3 weeks		4-6 weeks		7-12 weeks		13-16 weeks		17 + weeks	
		Wheat Based	Maize Based	Wheat Based	Maize Based	Wheat Based	Maize Based	Wheat Based	Maize Based	Wheat Based	Maize Based
<b>ADDED VITAMINS PER KG</b>											
Vitamin A	iu	12000	11000		8000	8000	7000	7000	6000	6000	5000
Vitamin D3	iu	4000	4000	3000	3000	2500	2500	2500	2500	2000	2000
Vitamin E	iu	100	100	50	50	30	30	25	25	20	20
Vitamin K	mg	4	4	2	2	2	2	2	2	2	2
Thiamin (B1)	mg	4	4	2	2	2	2	1.5	1.5	1.5	1.5
Riboflavin (B2)	mg	10	10	5	5	5	5	4	4	4	4
Nicotinic Acid	mg	75	80	60	65	50	55	40	45	40	45
Pantothenic Acid	mg	25	28	15	16	15	16	12	12	12	12
Pyridoxine (B6)	mg	7	6	5	4	4	3	3	2	2	1.5
Biotin	mg	0.30	0.20	0.30	0.20	0.20	0.15	0.15	0.10	0.10	0.10
Folic Acid	mg	4	4	2	2	1	1	1	1	1	1
Vitamin B12	mg	0.030	0.030	0.020	0.020	0.015	0.015	0.015	0.015	0.010	0.010
Choline	mg	1600	1600	1200	1200	600	600	400	400	300	300
<b>ADDED TRACE MINERALS PER KG</b>											
Copper	mg		20		20		10		10		10
Iron	mg		100		80		60		45		45
Manganese	mg		160		140		140		120		120
Molybdenum	mg		0.5		-		-		-		-
Selenium	mg		0.3		0.3		0.3		0.25		0.2
Zinc	mg		160		140		140		120		120
Iodine	mg		3		2		2		1		1



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Feed Ingredients -Typical Analysis

Ingredient	Protein	Fat	Dry Matter	Lysine		Methionine		M+C		Tryptophan		Threonine		Arginine		Valine		iso-Leucine		Energy	Mj/kg	Calcium	T. Phos	Av. Phos	Na	Cl	K	Choline	Linoleic
	%	%	%	Total %	Available %	Total %	Available %	Total %	Available %	Total %	Available %	Total %	Available %	Total %	Available %	Total %	Available %	Total %	Available %	Kcals/kg		%	%	%	%	%	%	mg	%
MAIZE	8.5	3.5	88.0	0.24	0.22	0.18	0.17	0.37	0.34	0.06	0.05	0.31	0.27	0.41	0.38	0.42	0.38	0.30	0.27	3275	13.7	0.03	0.29	0.09	0.01	0.05	0.40	620	1.88
WHEAT	10.5	1.5	86.0	0.29	0.24	0.17	0.15	0.41	0.36	0.13	0.11	0.31	0.25	0.49	0.42	0.44	0.39	0.35	0.31	3020	12.7	0.05	0.30	0.08	0.01	0.05	0.40	1000	0.62
BARLEY	9.8	1.6	87.0	0.36	0.30	0.17	0.15	0.39	0.33	0.12	0.10	0.34	0.28	0.50	0.43	0.48	0.41	0.34	0.30	2800	11.7	0.06	0.36	0.12	0.04	0.13	0.35	990	0.70
SORGHUM	10.0	3.3	88.0	0.23	0.18	0.16	0.15	0.31	0.29	0.09	0.07	0.33	0.26	0.40	0.34	0.49	0.42	0.40	0.33	3215	13.5	0.03	0.27	0.08	0.01	0.05	0.33	660	1.00
OATS	11.2	4.2	87.0	0.47	0.38	0.19	0.15	0.50	0.37	0.13	0.11	0.38	0.28	0.73	0.66	0.57	0.47	0.41	0.35	2620	11.0	0.10	0.33	0.10	0.01	0.10	0.54	950	1.60
SOYAMEAL	47.5	1.4	87.0	2.93	2.63	0.68	0.63	1.38	1.21	0.61	0.51	1.86	1.66	3.46	3.18	2.23	2.00	2.16	1.98	2150	9.0	0.30	0.70	0.25	0.02	0.03	2.25	2730	0.70
FULL FAT SOYA	35.6	18.2	88.0	2.24	1.98	0.52	0.45	1.09	0.89	0.49	0.42	1.43	1.21	2.64	2.39	1.70	1.47	1.62	1.41	3450	14.5	0.25	0.60	0.23	0.01	0.05	1.70	2860	9.20
SUNFLOWER MEAL	38.6	1.3	90.0	1.35	1.17	0.90	0.83	1.57	1.38	0.47	0.37	1.43	1.24	3.26	3.09	1.91	1.70	1.59	1.46	1600	6.7	0.37	1.15	0.22	0.03	0.12	1.47	2890	0.68
SUNFLOWER MEAL	31.0	1.4	89.0	1.13	0.98	0.72	0.67	1.28	1.13	0.37	0.29	1.17	1.02	2.55	2.42	1.56	1.39	1.28	1.18	1300	5.5	0.36	1.13	0.21	0.03	0.12	1.45	2880	0.75
RAPESEED MEAL	34.3	1.3	88.0	1.92	1.54	0.69	0.61	1.56	1.27	0.45	0.40	1.51	1.21	2.08	1.87	1.74	1.45	1.34	1.14	1670	7.0	0.66	1.12	0.32	0.01	0.07	1.34	6700	0.30
WHOLE RAPESEED	19.6	44.7	92.0	1.15	0.94	0.41	0.35	0.93	0.72	0.26	0.21	0.87	0.64	1.17	1.03	1.01	0.81	0.77	0.61	4520	19.0	0.49	0.60	0.15	0.01	0.08	0.64	3750	9.80
PEAS	22.5	1.0	87.0	1.57	1.23	0.23	0.17	0.56	0.42	0.20	0.16	0.81	0.69	2.14	2.10	1.04	0.91	0.88	0.80	2620	11.0	0.11	0.48	0.11	0.01	0.10	1.00	642	0.24
FIELD BEANS	24.0	0.9	87.0	1.55	1.40	0.19	0.16	0.50	0.41	0.21	0.17	0.86	0.75	2.12	1.94	1.12	0.94	0.99	0.86	2580	10.8	0.11	0.62	0.20	0.02	0.09	1.06	1670	0.24
MAIZE GLUTEN FEED	22.7	2.7	89.0	0.74	0.58	0.39	0.32	0.85	0.64	0.13	0.11	0.84	0.67	1.01	0.97	1.13	0.95	0.72	0.59	1920	8.1	0.12	0.50	0.18	0.03	0.05	0.38	330	1.35
MAIZE GLUTEN MEAL	61.0	2.3	90.0	1.03	0.92	1.44	1.40	2.54	2.36	0.32	0.31	2.10	1.96	1.95	1.88	2.80	2.69	2.50	2.40	3560	14.9	0.40	0.50	0.18	0.01	0.05	0.16	1510	1.63
WHEATFEED	16.0	2.5	87.0	0.58	0.47	0.27	0.20	0.59	0.45	0.20	0.18	0.51	0.38	0.97	0.85	0.75	0.53	0.54	0.42	1825	7.7	0.10	0.95	0.26	0.03	0.03	1.30	1440	1.05
WHEATBRAN	15.0	2.5	87.0	0.61	0.45	0.24	0.18	0.56	0.41	0.21	0.14	0.50	0.36	1.02	0.79	0.69	0.53	0.47	0.36	1475	6.2	0.19	1.10	0.35	0.04	0.03	1.25	1230	1.05
RICE BRAN	13.5	14.0	90.0	0.60	0.46	0.27	0.22	0.54	0.38	0.14	0.12	0.54	0.38	1.05	0.92	0.69	0.59	0.45	0.39	2370	9.9	0.14	1.30	0.25	0.02	0.05	1.30	1130	3.85
RICE BRAN EXTRACTED	14.7	1.2	89.0	0.64	0.47	0.32	0.24	0.64	0.45	0.17	0.11	0.59	0.40	1.14	0.98	0.78	0.58	0.52	0.38	1610	6.8	0.08	1.38	0.28	0.02	0.07	1.21	1230	0.36
DDS	25.3	7.8	87	0.76	0.54	0.40	0.35	0.64	0.53	0.24	0.15	0.85	0.58	0.97	0.81	1.29	1.10	1.03	0.86	2700	11.3	0.36	0.75	0.19	0.67	0.24	0.95	1850	3.40
MEAT AND BONE MEAL	50	8.5	93	2.43	1.97	0.67	0.57	1.16	0.86	0.32	0.25	1.58	1.25	3.36	2.82	2.14	1.78	1.36	1.14	2530	10.6	9.20	4.70	4.45	0.73	0.75	1.40	2000	0.80
SOYABEAN OIL	-	99	98.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8900	37.3	-	-	-	-	-	-	-	52.0
PALM FATTY ACID	-	98	98.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7500	31.4	-	-	-	-	-	-	-	5.0

This data is provided as an aid to formulation only. Information on the analysis of locally available ingredients should always be used in preference.

This information is provided so the nutritionist can understand the basis for the feed specification.

Metabolisable energy and Digestible Amino Acids are based on Adult Chicken Values as at present insufficient information is available to assign specific turkey values.