

Recommended Feeds

The following is our recommended feeds to use. See the attached tables from Ross Breeders of the requirements for the optimal growth of Ross Broilers. Some feeds on the market do not comply with the recommended minimum standards of Ross. Make sure to buy the right feed to get the optimal growth on your chickens.

Very important is the Protein minimum level. The composition of the protein to get to the levels also must have enough **Digestible Protein** in the compound. In some cases, cheap oilcakes are used just to comply with minimum Protein levels and are not digestible by chickens and is of no use of your stock. According to the tests we have used the cheaper feed per bag and have found in every test that it worked out to be more expensive per Kilogram meat harvested on the end as what the more expensive better feed have worked out.

Winter recommendation: **Meadow Select**

	Pre-Starter crumbs	Starter no.1 crumbs	Grower no.2 Pellets	Finisher no.3 Pellets
Feeding days	Day 1 to 4	Day 5 to 21	Day 22 to 42	42 onwards
Kg/100 chicks	10kg/100	100kg/100	250kg/100	Till selling

Summer recommendation: **Meadow Classic**

	Starter no.1 crumbs	Grower no.2 Pellets	Finisher no. 3 Pellets
Feeding days	Day 1 to 21	Day 22 to 42	Day 42 onwards
Kg/100 chicks	100kg/100	250kg/100	Till selling

These feeds are available upon request from the following distributors. **Insist on getting this feeds!** Rather pay a couple of rand more per bag and save a lot of money at the end. Be advised, with **Meadow Budget** you will not reach the desired results.

The tests that we done were as follow – We divided one house in 3 parts to only separate the chicks. Then we used one batch of chicks mixed them and divided them into equal quantities for every part. Then we use 3 different kinds of feed from different companies for every other group. We bought all the necessary equal amount of Starter and Grower from each company at once to get the same batch of their feed as recommended to the different groups.

With every test we have done the outcome was more or less the same with the initial cheaper feed per bag worked out to be the most expensive at the end. The cheaper feed did not last the 6 weeks to slaughter and we had to buy about 2 bags extra per 100 chicks to get to the 6 weeks slaughter time. The implication was that after buying the 2 bags extra it already worked out more expensive than what the initial saving by buying the cheaper bag at the beginning was. Then at 6 weeks of age the group that had the cheaper feed was up to 20% smaller and lighter as the other groups that was getting the more expensive recommended feed. Then coming to the conclusion that **The chickens did not grow and perform satisfactory on the cheaper feed.** This and the fact that we had to buy extra feed for that group made that group to worked out the most expensive of the groups.

Use the right feed and make sure the you can sell or slaughter your chickens at 6 weeks.

Our Ross 1 broilers can slaughter out at 42 days up to 2,6kg average if you manage them well and use the recommended feed.

Please contact me if you need any other information regarding above matter.
 Attached, find the table from Ross containing the minimum standard for feed composition

Yours truly,
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MANAGEMENT

THE FOLLOWING MARKED IN COLOUR -
ARE IMPORTANT ASPECTS TO LOOK AT
IN FEED:

TABLE 30: FEED SPECIFICATIONS FOR AS-HATCHED BROILERS GROWN TO 2.3-2.5KG (5.1-5.5LB) LIVWEIGHT AT 42-45 DAYS

		Starter		Grower		Finisher	
Age fed	Days	0-10		11-28		29-slaughter	
Crude protein	%	22-25		20-22		18-20	
Energy per kg:	kcal	3010		3175		3225	
	MJ	12.60		13.30		13.50	
AMINO ACIDS							
		Tot. ¹	Digest. ²	Tot.	Digest	Tot.	Digest
Arginine	%	1.48	1.33	1.28	1.16	1.07	0.96
iso-Leucine	%	0.95	0.84	0.82	0.72	0.68	0.60
Lysine	%	1.44	1.27	1.23	1.08	1.00	0.88
Methionine	%	0.51	0.47	0.45	0.41	0.37	0.34
Methionine + Cystine	%	1.09	0.94	0.95	0.82	0.80	0.69
Threonine	%	0.93	0.80	0.80	0.69	0.68	0.58
Tryptophan	%	0.25	0.22	0.21	0.18	0.18	0.16
Valine	%	1.09	0.94	0.94	0.81	0.78	0.67
MINERALS							
Calcium	%	1.00		0.90		0.85	
Available Phosphorus	%	0.50		0.45		0.42	
Magnesium	%	0.05-0.5		0.05-0.5		0.05-0.5	
Sodium	%	0.16		0.16		0.16	
Chloride	%	0.16-0.22		0.16-0.22		0.16-0.22	
Potassium	%	0.40-0.90		0.40-0.90		0.40-0.90	
ADDED TRACE MINERALS PER KG							
Copper	mg	8		8		8	
Iodine	mg	1		1		1	
Iron	mg	80		80		80	
Manganese	mg	100		100		100	
Molybdenum	mg	1		1		1	
Selenium	mg	0.15		0.15		0.10	
Zinc	mg	80		80		60	
ADDED VITAMINS PER KG							
		WHEAT BASED FEED	MAIZE BASED FEED	WHEAT BASED FEED	MAIZE BASED FEED	WHEAT BASED FEED	MAIZE BASED FEED
Vitamin A	iu	15000	14000	12000	11000	12000	11000
Vitamin D3	iu	5000	5000	5000	5000	4000	4000
Vitamin E	iu	75	75	50	50	50	50
Vitamin K	mg	4	4	3	3	2	2
Thiamin (B1)	mg	3	3	2	2	2	2
Riboflavin (B2)	mg	8	8	6	6	5	5
Nicotinic Acid	mg	60	70	60	70	35	40
Pantothenic Acid	mg	18	20	18	20	18	20
Pyridoxine (B6)	mg	5	4	4	3	3	2
Biotin	mg	0.20	0.15	0.20	0.15	0.05	0.05
Folic Acid	mg	2.00	2.00	1.75	1.75	1.50	1.50
Vitamin B12	mg	0.016	0.016	0.016	0.016	0.011	0.011
MINIMUM SPECIFICATION							
Choline per kg	mg	1800		1600		1400	
Linoleic acid	%	1.25		1.20		1.00	

Key: Tot.¹ - Total Digest.² - Digestible

NOTES

These feed specifications should be used as a guide. They require adjustment for local conditions and markets. A withdrawal feed should be fed to meet local requirements for drug withdrawal times. This can be formulated to the same standards as the finisher or to a slightly lower specification.