



NIAS LISTING OF FEED INGREDIENTS FOR COMMERCIAL FEEDMILLS IN NIGERIA



NIAS/RA/LFI-2014

CLASS	INGREDIENTS	Moisture % (max)	Crude Protein % (min)	Energy ME (Kcal/Kg) (min)	Ether Extract (Oil) % (max)	Crude Fiber % (max)	Lysine % (min)	Methionine % (min)	Calcium %	Phosphorus % (Available)	REMARK
ENERGY	MAIZE-white	12	7.0	3150	4.0	3.0	0.2	0.15	0.02	0.27	
	Maize -Yellow	12	7.0	3150	3.0	3.0	0.2	0.15	0.02	0.27	
	GUINEA CORN-white	10	8.0	3300	3.0	5.0	0.21	0.16	0.04	0.32	
	Yellow	10	8.0	3300	3.0	5.0	.21	0.16	0.04	0.32	
	MILLET	12	10.0	2560	4.00	8.0	0.40	0.18	0.02	0.10	
	Whole wheat	11	13.0	3200	1.6	2.8	0.32	0.17	0.05	0.4	
	Wheat flour	11	15.0	3040	1.5	1.0	-	-	-	-	
	CASSAVA CHIPS/Flour	10	2.5	3000	0.50	3.50	0.07	0.02	0.20	0.03	
	Cassava grits(with peel)	10	5.0	2850	0.5	5.0	0.07	0.03	0.2	0.03	
	CASSAVA STARCH	10.0	2.0	2800	1.0	2.0					
	Vegetable oil	1	-	7800	97	-	-	-	-	-	
	Refined soya oil	1	-	7800	97	-	-	-	-	-	
	Fish Oil	1	-	7800	97	-	-	-	-	-	
	SOYA OIL	-	-	8370	-	-	-	-	-	-	PEROXIDE VALUE=21.38 meq/peroxide /kg
	PALM OIL	-	-	7710	-	-	-	-	-	-	PEROXIDE VALUE=8.35 meq/peroxide /kg
	Molasses	25	3.0	2343	0.1	0	-	-	0.8	0.08	
	CASSAVA SIFTING	13	2	1,800	1.0	20	-	-	-	-	
PROTEIN	PLANT SOURCE PROTEINS										
	GROUNDNUT CAKE	10	40	2640	6.00	8.00	1.60	0.48	0.20	0.20	

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PROTEIN CONTD	Groundnut meal	10	42	2550	3.0	8.0	1.60	0.48	0.20	0.20	
	SOYBEAN MEAL	10	42	2500	4.5	6.50	2.80	0.59	0.20	0.60	
	Soybean cake	10	45	2950	8.0	8.0	2.80	0.59	0.20	0.60	
	FULLFAT SOYA-extruded	8.0	37	3000	17.00 MIN	5.50	2.25	0.49	0.20	0.50	
	Fullfat soya-roasted/toasted	8.0	37	3100	18.0 MIN	5.50	2.25	0.49	0.20	0.50	
	Fullfat soya-micronized	8.0	37	3100	18.0 MIN	5.50	2.25	0.49	0.20	0.50	
	BREWERS YEAST	7	30	2420	1.00	3.00	3.40	0.70	0.10	0.46	
	COTTONSEED MEAL (de linted, decorticated and solvent extracted)	9	35	2146	4.50	10.00	1.15	0.40	0.25	0.30	
	Cotton seed cake(Ruminants)	9	25	2146	5.0	25.0	1.0	0.3	0.15	1.10	
	ROSELLE SEED CAKE (Zobo)	12	29.0	2500	6.0	17.0	1.6	0.45	0.45		
	Sunflower Cake	10	45.40	2320	2.90	12.2	1.0	0.50	0.37	0.16	
	CORN GLUTEN	10	60	3740	2	2.5	1	1.9	0.02	0.18	
	WHEAT GLUTEN	-	75	3852	6	-	1.39	1.3	-	-	
	ANIMAL SOURCE PROTEIN										
	FISHMEAL(72%)	8	72	2900	8.0	1.00	4.50	1.92	6 max	3.00 max	
	FISHMEAL 65%	8	65	2860	7.0	2	3.0	1.0	8 max	5max	
	FISH MEAL	8	45-55	2700	7.0	2.0	3.0	1.0	10max	7 max	

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	*FISH MEAL-ANALOGUE										
	*BLOOD MEAL	11	80	3220	1	1	6.9	1	0.28	0.22	
FILLERS/ INDUSTRIAL BY PRDCTS	MAIZE OFFALS	9	9	2500	2.80	12.00	0.25	0.18	0.01	0.09	
	SORGUM OFFALS	9	9	2700	5.00	6.00	0.25	0.18	0.01	0.09	
	WHEAT OFFALS	11	15	1870	3.50	8.5	0.90	0.25	0.10	0.30	
	PALM KERNEL MEAL- solvent extracted	10	15	2175	3.00	15.00	0.64	0.39	0.21	0.16	
	Palm kernel cake	10	16	2450	7.5	15.0	0.64	0.39	0.21	0.16	
	RICE BRAN	10	12	2860	25.0	9.0	0.50	0.24	0.04	0.46	
	RICE HUSK	10	3	1200	1.0	28.0	-	-	-	-	
	RICE OFFAL (PARBOILED)	10	3.5	1200	3.0	36	0.2	0.07	0.16		
	RICE OFFAL (UN-PARBOILED)	10	5.5	1300	3.5	30	0.2	0.07	0.15		
	BREWERS Dried GRAINS	10	18	1980	5.00	15	0.90	0.40	0.20	0.16	
	CORN COBS	11	2.3	528	0.4	35	-	-	0.11	-	
MICRO INGREDIENTS	LYSINE							94			
	METHIONINE							100			
	Liquid methionine	12						88			
	Methionine Hydroxyl Analogue (MHA)							84	12		

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Macro minerals	BONE MEAL								35.00	15	
	OYSTER SHELL								35.00		
	Periwinkle shell								32.0		
	LIMESTONE								35.00		
	DICALCIUM PHOSPHATE								22.00	18.00	
	SALT										
VITAMINS& MICRO MINERALS	SEE SEPARATE TABLE BELOW**										
Additives	Enzymes										
	Anti mould										
	Toxin binders										
	Acidifiers										
	Pro biotic										
	Pellet Binder										

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****VITAMINS AND MICRO MINERALS**

	SOURCE	POTENCY (MIN)
VITAMINS		
Vitamin A	Vitamin A 500	500,000iu/g
	Vitamin AD3 500/100	500,000iu/g of Vit A; 100,000iu/g of Vit D3
	Vitamin AD3 1000/200	1,000,000,000iu/g of Vit A; 200,000iu/g of Vit D3
Vitamin D	Vitamin D3	500,000iu/g
	Vitamin AD3	500,000iu/g of Vit A; 100,000iu/g of Vit D3
	VITAMIN AD3	1,000,000,000iu/g of Vit A; 200,000iu/g of Vit D3
Vitamin E	Vitamin E 50	500 iu /g
VITAMIN K	VITAMIN K3	50%
Vitamin B2 (RIBOFLAVIN)	VITAMIN B2	80%
VITAMIN B12	Vitamin B12	1%
VITAMIN B6 Pyridoxine HCL	Vitamin B6	100%
NICOTINIC ACID	Nicotinic Acid	100%
	Nicotinamide	100%
FOLIC ACID	Folic Acid	45%
	Folic Acid	95%
PANTHOTHENIC ACID	Calcium Pantothenate	80%
		98%
Biotin	Biotin	2%, 5%& 10%
THIAMINE (VIT B1)	Thiamine	98%
VITAMIN C	Vitamin C(AQUA)	35%
	Vitamin C (COATED)	98-100

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CHOLINE	CHOLINE CHLORIDE	50% 60% & 70%
		80%
MICRO MINERALS		
Iodine	Potassium Iodide	59%
COPPER	Copper Sulphate	25%
	*Organic Copper	
MANGANESE	Manganese Oxide	57%
	Manganese Sulphate	31%
	*Organic Manganese	
ZINC	ZINC OXIDE	78%
	ZINC SULPHATE	35%
	ZINC	
	*ORGANIC ZINC	
IRON	FERROUS CARBONATE	36%
	FERROUS SULPHATE	30%
SELENIUM	SODIUM SELENITE	45%
	*Organic Selenium	
COBALT		20%
ANTI OXIDANT	BUTYL HYDROXY	
	TOLUENE (BHT)	100%
	BHA	100%
PRESERVATIVES/ANTICAKING AGENTS	SILICA	
YOLK COLORANT	CAROPYHL	
	LUCANTIN	

*Potency of Organic Mineral to be stated

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