

Mini-Pig

Expanded

SUITABLE SPECIES AND APPLICATIONS

An expanded diet for mini pigs maintained in restricted conditions for breeding and long term trials.

DESCRIPTION

Most animals when fed a diet containing excess energy will ultimately become overweight and obese. The time taken will depend on various factors but the amount of excess energy is an important factor.

Even animals bred and selected for their small size will become overweight if fed a diet containing excess energy.

For this reason we have formulated our Mini Pig Diet to contain lower levels of protein and carbohydrate and therefore energy.

BENEFITS

- Reduced protein and carbohydrate levels to provide a reduced energy level for an animal of low body size.
- Expanded to increase palatability and digestibility.
- No non-nutritional feed additives included.
- Low metabolisable energy.

FEEDING GUIDE

As a rough guide at 3 months feed 0.2 kg diet/day.
6 months 0.3 kg/day. 9 months 0.4 kg/day. >12 months 0.5 kg/day.

AVAILABLE AS

Diet	Form	Product Code
Standard		
SMP (E)	<i>Expanded</i>	801586
SQC		
SMP (E) SQC	<i>Expanded</i>	811586

INGREDIENTS

Oat Hulls and Bran, Barley, Wheat, Soya Bean Hulls, Wheatfeed, De-hulled Extracted Toasted Soya, Molasses, Sunflower Extracted, Macro Minerals, Vitamins, Micro Minerals.



Calculated Analysis

NUTRIENTS		Total	Supp (9)
Proximate Analysis			
Moisture (1)	%	10.00	
Crude Oil	%	2.13	
Crude Protein	%	13.03	
Crude Fibre	%	14.52	
Ash	%	7.35	
Nitrogen Free Extract	%	52.41	
Digestibility Co-Efficients (7)			
Digestible Crude Oil	%	1.20	
Digestible Crude Protein	%	9.41	
Carbohydrates, Fibre and Non Starch Polysaccharides (NSP)			
Total Dietary Fibre	%	29.66	
Pectin	%	2.78	
Hemicellulose	%	11.62	
Cellulose	%	14.12	
Lignin	%	2.85	
Starch	%	27.12	
Sugar	%	5.54	
Energy (5)			
Gross Energy	MJ/kg	13.80	
Digestible Energy (11)	MJ/kg	11.43	
Metabolisable Energy (12)	MJ/kg	10.98	
Atwater Fuel Energy (AFE) (8)	MJ/kg	11.74	
AFE from Oil	%	6.82	
AFE from Protein	%	18.55	
AFE from Carbohydrate	%	74.62	
Fatty Acids			
Saturated Fatty Acids			
C12:0 Lauric	%	0.02	
C14:0 Myristic	%	0.05	
C16:0 Palmitic	%	0.13	
C18:0 Stearic	%	0.01	
Monounsaturated Fatty Acids			
C14:1 Myristoleic	%	0.02	
C16:1 Palmitleic	%	0.08	
C18:1 Oleic	%	0.36	
Polyunsaturated Fatty Acids			
C18:2(ω6) Linoleic	%	0.31	
C18:3(ω3) Linolenic	%	0.02	
C20:4(ω6) Arachidonic	%	0.06	
C22:5(ω3) Clupanodonic	%		
Amino Acids			
Arginine	%	0.88	
Lysine (6)	%	0.63	
Methionine	%	0.18	
Cystine	%	0.21	
Tryptophan	%	0.16	
Histidine	%	0.33	
Threonine	%	0.49	
Isoleucine	%	0.53	
Leucine	%	0.92	
Phenylalanine	%	0.62	
Valine	%	0.64	
Tyrosine	%	0.37	
Taurine	%		
Glycine	%	1.00	
Aspartic Acid	%	0.507	

NUTRIENTS		Total	Supp (9)
Glutamic Acid	%	1.81	
Proline	%	0.74	
Serine	%	0.43	
Hydroxyproline	%		
Hydroxylysine	%		
Alanine	%	0.06	
Macro Minerals			
Calcium	%	1.01	0.75
Total Phosphorus	%	0.59	0.22
Phytate Phosphorus	%	0.22	
Available Phosphorus	%	0.37	0.22
Sodium	%	0.29	0.23
Chloride	%	0.42	0.36
Potassium	%	1.37	
Magnesium	%	0.31	
Micro Minerals			
Iron	mg/kg	161.59	
Copper	mg/kg	17.73	3.00
Manganese	mg/kg	46.49	10.00
Zinc	mg/kg	118.08	86.40
Cobalt	µg/kg	59.60	
Iodine	µg/kg	62.68	
Selenium	µg/kg	211.35	60.00
Fluorine	mg/kg	16.58	
Vitamins			
β-Carotene (2)	mg/kg	0.09	
Retinol (2)	µg/kg	3638.97	3510.00
Vitamin A (2)	iu/kg	12129.89	11700.00
Cholecalciferol (3)	µg/kg	59.96	58.50
Vitamin D (3)	iu/kg	2398.50	2340.00
α-Tocopherol (4)	mg/kg	65.76	54.55
Vitamin E (4)	iu/kg	72.34	60.00
Vitamin B ₁ (Thiamine)	mg/kg	3.42	
Vitamin B ₂ (Riboflavin)	mg/kg	4.50	2.94
Vitamin B ₆ (Pyridoxine)	mg/kg	2.76	
Vitamin B ₁₂ (Cyanocobalamin)	µg/kg	7.03	6.00
Vitamin C (Ascorbic Acid)	mg/kg	3.89	
Vitamin K (Menadione)	mg/kg	3.19	2.88
Folic Acid (Vitamin B ₉)	mg/kg	0.80	
Nicotinic Acid (Vitamin PP) (6)	mg/kg	44.68	
Pantothenic Acid (Vitamin B _{3/5})	mg/kg	10.71	
Choline (Vitamin B _{4/7})	mg/kg	783.59	
Inositol	mg/kg	1278.69	
Biotin (Vitamin H) (6)	µg/kg	196.29	

Notes

- All values are calculated using a moisture basis of 10%.
Typical moisture levels will range between 9.5 - 11.5%.
- a. Vitamin A includes Retinol and the Retinol equivalents of β-carotene
b. Retinol includes the Retinol equivalents of β-Carotene.
c. 0.48 µg Retinol = 1 µg β-carotene = 1.6 iu Vitamin A activity
d. 1 µg Retinol = 3.33* iu Vitamin A activity
e. 1 iu Vitamin A = 0.3 µg Retinol = 0.6 µg β-carotene
f. The standard analysis for Vitamin A does not detect β-carotene
- 1 µg Cholecalciferol (D₃) = 40.0 iu Vitamin D
- 1 mg all-*rac*-α-tocopherol = 1.1 iu Vitamin E activity
1 mg all-*rac*-α-tocopherol acetate = 1.0 iu Vitamin E activity
- 1 MJ = 239.23 Kcalories = 239.23 Calories = 239,230 calories
- These nutrients coming from natural raw materials such as cereals may have low availabilities due to the interactions with other compounds.
- Based on in-vitro digestibility analysis.
- AF Energy = Atwater Fuel Energy = ((CO%/100)*9000)+((CP%/100)*4000)+((NFE%/100)*4000)/239.23
- Supplemented nutrients from manufactured and mined sources.
- DE Pigs (FSR 2000) = 17.47 + (0.079*CP%)+(0.158*CO%)-(0.331*Ash%)-(0.140*NDF%)
- ME Pigs (Farrell 79, ARC 81) = DE*0.96.