Pig Production Development Unit Moorepark, Standard diets 2009.

Table 1. Ingredient content, kg/t

	Weaner	Finisher	Finisher 2	Preg sow	Preg sow High Fibre	Lact sow
Barley	250	385.4	500	897.4	777.4	350
Wheat	431.4	404	348.7	0	0	432.4
Soya Hi-Pro	200	175	120	70	70	150
Soya Full fat	50	0	0	0	0	0
Soya hulls	0	0	0	0	120	0
Fat, soya oil	40	10	10	10	10	40
Lysine HCl (78.8)	4.6	4	4	1	1	3.5
DL-Methionine	1.7	1	1	0	0	1
L-Threonine (98)	2	1.5	1.2	0	0	1
L-Tryptophan	0.2	0	0	0	0	0
Vit-Min Mpk Finisher	1	1	1	1.5	1.5	1
Natuphos 5000 FTU/g	0.1	0.1	0.1	0.1	0.1	0.1
Salt feed grade	3	3	3	4	4	4
DiCal Phos	5	2	0	5	5	5
Limestone flour	11	13	11	11	11	12

Table 2. Moorepark standard diets 2009 nutrient content, g/kg

	Weaner	Finisher	Finisher 2			
Wt range, kg	**15 to 35**	**25 to 60 25 to 100**	**60 to 110**	**Preg sow**	**Preg Hi fibre**	**Lact sow**
Dry matter	875	870	869	871	873	873
Crude Protein	189	170	150	130	131	156
Crude fibre	35	37	38	45	80	35
Ash	47	44	39	44	47	46
Fat	64	27	28	31	31	56
Linoleic acid	32	12	13	13	13	28
Starch + sugar	432	478	497	490	436	472
DE MJ/kg	14.54	13.67	13.54	12.96	12.38	14.22
NE (IFIP)	10.55	9.78	9.82	9.50	8.83	10.45
Amino acids, total						
Lysine	13.0	11.1	9.8	6.4	6.8	9.9
Methionine	4.5	3.6	3.3	2.1	2.0	3.4
Meth + Cyst	7.9	6.8	6.3	4.7	4.6	6.4
Threonine	8.7	7.5	6.4	4.5	4.6	6.5
Tryptophan	2.6	2.2	1.9	1.6	1.6	2.0
Isoleucine	7.8	6.8	5.8	4.9	4.9	6.3
Leucine	13.8	12.3	10.7	9.2	9.2	11.3
Phenylalanine	9.3	8.4	7.4	6.6	6.5	7.7
Phenyl + Tyros	15.7	14.0	12.3	10.7	10.9	12.9
Valine	8.9	8.0	7.1	6.3	6.3	7.4
Branched chain AA	30.5	27.1	23.6	20.3	20.4	25.0
Amino acids, Ileal digestible						
Dig Crude Protein	161	143	124	101	100	132
SID LYS	11.5	9.7	8.5	5.0	5.2	8.7
SID MET	4.1	3.2	3.0	1.7	1.7	3.1
SID MET + CYS	6.9	5.8	5.3	3.7	3.6	5.5
SID THR	7.5	6.5	5.5	3.8	3.7	5.5
SID TRP	2.2	1.8	1.5	1.2	1.2	1.6
SID ILE	6.3	5.5	4.6	3.8	3.8	5.0
SID LEU	11.1	9.9	8.5	7.3	7.2	9.0
SID PHE	7.6	6.8	5.9	5.2	5.1	6.2
SID PHE + TYR	12.8	11.4	9.8	8.6	8.4	10.4
SID VAL	6.9	6.2	5.4	4.7	4.6	5.7
Minerals						
Calcium	7.4	7.4	6.1	7.0	7.6	7.5
Phosphorous	4.9	4.2	3.7	4.6	4.4	4.6
Phos dig	3.35	2.81	2.41	3.20	3.04	3.27
Sodium	1.32	1.33	1.31	1.69	1.69	1.70
Potassium	8.2	7.3	6.4	5.8	6.8	6.7
Chloride	3.1	3.1	3.2	3.4	3.3	3.5

Table 3. Moorepark standard diets 2009, Amino acid ratios

	Weaner	Finisher	Finisher 2	Preg sow	Preg Hi fibre	Lact sow
Tot LYS as % CP	6.9	6.5	6.5	4.9	5.2	6.4
Total AA to Total LYS						
Lysine	100	100	100	100	100	100
Methionine	35	32	34	33	30	34
Meth + Cyst	61	61	64	75	68	64
Threonine	67	67	65	71	68	65
Tryptophan	20	19	19	25	24	20
Isoleucine	60	61	60	76	73	63
Leucine	106	111	110	145	136	114
Phenyl	72	76	76	103	95	78
Phenyl + Tyros	121	126	126	169	160	130
Valine	68	72	72	99	92	74
LYS digestibility %	88	88	87	79	77	87
Dig AA ratios						
Lysine digestible	100	100	100	100	100	100
Methionine dig.	36	33	35	34	32	35
Meth + Cyst dig.	60	60	63	73	69	63
Threonine dig	66	66	65	75	71	64
Tryptophan dig	19	18	18	24	23	19
Isoleucine dig	55	57	55	75	74	58
Leucine dig	97	102	100	144	138	104
Phenyl dig	66	70	70	104	98	72
P+T dig	112	118	116	171	162	120
Valine dig	61	64	63	94	89	65
Total lysine						
per MJ DE	0.89	0.81	0.72	0.49	0.55	0.70
per MJ NE	1.23	1.14	0.99	0.67	0.77	0.95
Digestible lysine						
per MJ DE	0.79	0.71	0.63	0.39	0.42	0.61
per MJ NE	1.09	0.99	0.86	0.53	0.59	0.83

Table 4. Vitamin Trace Mineral Inclusion Levels 2009 (per tonne finished diet)

	Starter/weaner	Finisher	Sow
Copper sulphate. $7H_20$ g	620	60	60
Ferrous sulphate monohydrate g	450	120	200
Manganese oxide g	60	40	80
Zinc oxide g	150	100	100
Potassium iodate g	1	0.5	1
Sodium selenite g	0.6	0.4	0.4
Vitamin A miu	6	2	10
Vitamin D_3 miu	1	0.5	1
Vitamin E (* 1,000 iu)	100	40	100
Vitmin K g	4	4	2
Vitamin B_{12} mg	15	15	15
Riboflavin g	2	2	5
Nicotinic acid g	12	12	12
Pantothenic acid g	10	10	10
Choline chloride g	250	-	500
Biotin mg	-	-	200
Folic acid g	-	-	5
Vitamin B_1 g	2	2	2
Vitamin B_6 g	3	3	3
Endox g	60	-	-
Inclusion levels of minerals			
Copper	155	15	15
Iron	90	24	70
Manganese	47	31	62
Zinc	120	80	80
Iodine	0.6	0.3	0.6
Selenium	0.3	0.2	0.2