



## Sows, gilts and boars specifications

Nutrient Levels	Gilts developer (75-120 kg, 165-265lbs)	Gestation	Lactation	Boars
NE, kcal/kg	2300	2300	2500	2300
SID Lysine:NE, g/Mcal	2.87			
SID Lysine, %	0.66	0.60	0.95	0.75

SID Met+Cys:Lysine, %	58	70	53	70
SID Threonine:Lysine, %	66	76	64	76
SID Tryptophan:Lysine, %	18.5	19	19	20
SID Valine:Lysine, %	66	71	64	68
SID Isoleucine:Lysine, %	56	58	57	58
SID Leucine:Lysine, %	100	100	100	100

Ca, %	0.85	0.9	0.90	0.90
Ca:NE g,Mcal	0.37			
Av P %	0.40	0.45	0.43	0.45
STTDP %		0.45	0.45	0.45
Ca: Av P	2.13	2.00	2.09	2.00
Na, %	0.20	0.20	0.20	0.20

Zinc, ppm	120	120	120	120
Iron, ppm	150	150	150	150
Manganese, ppm	50	50	50	50
Copper, ppm	15	15	15	15
Iodine, ppm	1.0	1.0	1.0	1.0
Selenium, ppm	0.3	0.3	0.3	0.3
Vit A, IU/kg	12000	12000	12000	12000
Vit D, IU/kg	1500	1500	1500	1500
Vit E, IU/kg	70	70	70	70
Vit K, mg/kg	4.5	4.5	4.5	4.5
Vit B12, mg/kg	0.04	0.04	0.04	0.04
Niacin, mg/kg	45	45	45	45
Pantothenic Acid, mg/kg	35	35	35	35
Thiamine, mg/kg	2.0	2.0	2.0	2.0
Riboflavin, mg/kg	10.0	10.0	10.0	10.0
Biotin, mg/kg	0.45	0.45	0.45	0.45
Folic acid, mg/kg	2.0	2.0	2.0	2.0
Choline, mg/kg	600	650	650	650
Pyridoxine, mg/kg	3.5	3.3	3.3	3.3





## Nursery specifications

Nursery	SEW	Starter 1	Starter 2	Starter 3	Pre Grower
<b>Initial weight (lb, kg)</b>	<b>9, 4</b>	<b>13, 6</b>	<b>18, 8</b>	<b>29, 13</b>	<b>44, 20</b>
<b>Final weight (lb, kg)</b>	<b>13, 6</b>	<b>18, 8</b>	<b>29, 13</b>	<b>44, 20</b>	<b>66, 27</b>
Pig age, days <sup>1</sup>	< 21	21-28	28-45	45-56	56-65

Nutrient Levels	SEW	Starter 1	Starter 2	Starter 3	Pre Grower
NE, kcal/kg (NRC)	2550	2550	2500	2450	2450
SID Lysine, %	1.45	1.42	1.37	1.27	1.15
SID Lysine:NE, g/Mcal	5.88	5.58	5.49	5.2	4.69

SID Met+Cys:Lysine, %	58	58	58	58	58
SID Threonine:Lysine, %	60	60	60	60	61
SID Tryptophan:Lysine, %	18.5	18.5	18.5	18.5	18.5
SID Valine:Lysine, %	67	67	67	67	67
SID Isoleucine:Lysine, %	55	55	55	56	56
SID Leucine:Lysine, %	100	100	100	100	100

Ca, %	0.78	0.78	0.80	0.80	0.80
Ca:NE g,Mcal	3.27	3.27	3.14	3.20	3.06
Av P %	0.55	0.50	0.50	0.40	0.39
Ca: Av P	1.42	1.55	1.60	2.00	2.03
Na, %	0.32	0.32	0.3	0.28	0.22
Lactose, %	24	16	8	0	0

Zinc, ppm	3000.0	3000.0	2000.0	150.0	150.0
Iron, ppm	150.0	150.0	150.0	150.0	150.0
Manganese, ppm	50.0	50.0	50.0	50.0	50.0
Copper, ppm	145.0	145.0	145.0	145.0	145.0
Iodine, ppm	1.0	1.0	1.0	1.0	1.0
Selenium, ppm	0.3	0.3	0.3	0.3	0.3
Vit A, IU/kg	12000.0	12000.0	12000.0	12000.0	12000.0
Vit D, IU/kg	1500.0	1500.0	1500.0	1500.0	1500.0
Vit E, IU/kg	90.0	90.0	90.0	90.0	90.0
Vit K, mg/kg	5.0	5.0	5.0	5.0	5.0
Vit B12, mg/kg	0.060	0.060	0.060	0.060	0.060
Niacin, mg/kg	60.0	60.0	60.0	60.0	60.0
Pantothenic Acid, mg/kg	35.0	35.0	35.0	35.0	35.0
Thiamine, mg/kg	3.0	3.0	3.0	3.0	3.0
Riboflavin, mg/kg	12.0	12.0	12.0	12.0	12.0
Biotin, mg/kg	0.2	0.2	0.2	0.2	0.2
Folic acid, mg/kg	1.0	1.0	1.0	1.0	1.0
Choline, mg/kg	600.0	600.0	600.0	600.0	600.0
Pyridoxine, mg/kg	6.0	6.0	6.0	6.0	6.0

<sup>1</sup> Age and weight is important to determine appropriate diet



**Grower-finishing specifications**

<b>Gilts</b>	<b>Grower 1</b>	<b>Grower 2</b>	<b>Finisher 1</b>	<b>Finisher 2</b>	<b>Finisher 3</b>	<b>Finisher 4</b>	<b>Paylean Finisher</b>
<b>Initial weight (lb, kg)</b>	<b>60, 27</b>	<b>95, 43</b>	<b>140, 64</b>	<b>180, 82</b>	<b>220, 100</b>	<b>240, 109</b>	<b>240, 109</b>
<b>Final weight (lb, kg)</b>	<b>95, 43</b>	<b>140, 64</b>	<b>180, 82</b>	<b>220, 100</b>	<b>240, 109</b>	<b>270, 123</b>	<b>275, 125</b>
ADFI, (lb, kg)	3.3, 1.5	4.3, 2.0	5.2, 2.4	6.0, 2.7	6.0, 2.7	6.2, 2.8	6.2, 2.8
ADG, (lb, kg)	1.8, 0.82	1.86, 0.84	1.93, 0.88	1.96, 0.89	1.96, 0.89	2.0, 0.91	2.0, 0.91
<b>Barrows</b>	<b>Grower 1</b>	<b>Grower 2</b>	<b>Finisher 1</b>	<b>Finisher 2</b>	<b>Finisher 3</b>	<b>Finisher 4</b>	<b>Paylean Finisher</b>
<b>Initial weight (lb, kg)</b>	<b>60, 27</b>	<b>85, 39</b>	<b>130, 59</b>	<b>170, 77</b>	<b>210, 95</b>	<b>235, 107</b>	<b>235, 107</b>
<b>Final weight (lb, kg)</b>	<b>85, 39</b>	<b>130, 59</b>	<b>170, 77</b>	<b>210, 95</b>	<b>235, 107</b>	<b>270, 123</b>	<b>275, 125</b>
ADFI, (lb, kg)	3.4, 1.5	4.7, 2.1	5.9, 2.7	6.2, 2.8	6.7, 3.0	6.7, 3.0	6.7, 3.0
ADG, (lb, kg)	1.86, 0.85	1.97, 0.90	2.10, 0.95	2.10, 0.95	2.10, 0.95	2.00, 0.91	2.00, 0.91
<b>Nutrient Levels</b>	<b>Grower 1</b>	<b>Grower 2</b>	<b>Finisher 1</b>	<b>Finisher 2</b>	<b>Finisher 3</b>	<b>Finisher 4</b>	<b>Paylean Finisher</b>
SID Lysine, %	1.12	0.98	0.86	0.75	0.67	0.65	0.92
SID lysine:ME, g/Mcal	3.39	3.05	2.70	2.32	1.99	1.99	2.80
SID lysine:NE, g/Mcal	4.50	4.00	3.50	3.05	2.55	2.55	3.60

SID Met+Cys:Lysine, %	57	57	57	57	57	57	57
SID Threonine:Lysine, %	62	63	64	64	64	64	64
SID Tryptophan:Lysine, %	17	17.5	18	18	18	18	18
SID Valine:Lysine, %	65	65	65	65	65	65	65
SID Isoleucine:Lysine, %	56	56	56	56	56	56	56

Ca, %	0.6	0.5	0.5	0.45	0.45	0.45	0.45
Av P %	0.35	0.35	0.3	0.28	0.25	0.25	0.3
Ca: Av P	1.71	1.43	1.67	1.61	1.80	1.80	1.50
Na, %	0.2	0.2	0.2	0.2	0.2	0.2	0.2

Zinc, ppm	100	100	100	80	70	70	100
Iron, ppm	100	100	100	80	70	70	100
Manganese, ppm	40	40	40	32	28	28	40
Copper, ppm	10	10	10	10	10	10	10
Iodine, ppm	1.00	1.00	1.00	0.80	0.70	0.70	1.00
Selenium, ppm	0.30	0.30	0.30	0.30	0.30	0.30	0.30
Vit A, IU/kg	5510	5179	4849	4518	4188	4188	4849
Vit D, IU/kg	1047	959	871	782	782	782	871
Vit E, IU/kg	33	30	30	24	22	22	30
Vit K, mg/kg	2.6	2.0	2.0	1.5	1.3	1.3	2.0
Vit B12, mcg/kg	22.0	19.8	19.8	17.6	15.4	15.4	19.8
Niacin, mg/kg	26.4	24.2	22.0	19.8	19.8	19.8	22.0
Pantothenic Acid, mg/kg	16.5	15.0	13.7	12.3	12.3	12.3	13.7
Riboflavin, mg/kg	5.0	4.8	4.8	4.7	4.7	4.7	4.8