

Examples of Intensive Care Diets (8 to 12 lb)

Ingredient	Weight range, lb	Intensive Care Diets	
		Option 1	Option 2
		8 12	8 12
Corn		10.35	6.10
Soybean meal, 47.5% CP		13.70	14.70
Oat groats		30.00	30.00
Dried whey, 72% lactose ¹		25.00	25.00
Whey permeate, 80% lactose		5.00	5.00
Fish meal		5.00	5.00
Enzyme-treated soybean meal ²		---	7.50
Spray-dried bovine plasma		4.50	---
Fat ³		4.00	4.00
Calcium carbonate, 38.5% Ca		0.50	0.50
Monocalcium phosphate, 21.5% P		0.25	0.40
Salt		0.25	0.25
L-Lysine HCl		0.275	0.30
DL-Methionine		0.16	0.19
L-Threonine		0.115	0.13
L-Tryptophan		0.005	0.005
L-Valine		0.025	0.025
Choline chloride, 60%		0.035	0.035
KSU Vitamin premix with phytase		0.25	0.25
KSU Trace mineral premix		0.15	0.15
Phytase		*	*
Zinc oxide		0.39	0.39
Total, %		100.00	100.00
SID Lysine, %		1.40	1.40
SID Isoleucine:Lysine, %		56	63
SID Leucine:Lysine, %		109	109
SID Methionine:Lysine, %		33	36
SID Met & Cys:Lysine, %		56	56
SID Threonine:Lysine, %		63	63
SID Tryptophan:Lysine, %		19.5	19.2
SID Valine:Lysine, %		69	69
SID Histidine:Lysine, %		32	32
ME, kcal/lb		1,644	1,635
NE, kcal/lb		1,242	1,228
SID Lysine:NE, g/Mcal		5.11	5.17
Crude protein, %		21.7	22.6
SID Lysine:crude protein ratio		6.44	6.19
Total calcium, %		0.77	0.81
STTD phosphorus with phytase, %		0.63	0.63
Total calcium:total phosphorus ratio		1.10	1.11
Lactose, %		22.0	22.0
Sodium, %		0.56	0.44
Chloride, %		0.78	0.74
Feed budget, lb/pig		2	2

¹Spray-dried edible-grade whey is recommended.

²Enzyme-treated soybean meal, e.g. HP 300, can be replaced by other specialty soy products.

³Added fat, e.g. choice white grease or soybean oil.

*Inclusion level of phytase source of choice to include 2,000 FTU/kg of diet.

Examples of Phase 1 Diets (12 to 15 lb)

Ingredient	Weight range, lb	Phase 1 Diets		
		Option 1	Option 2	Option 3
		12 15	12 15	12 15
Corn		39.65	38.20	37.05
Soybean meal, 47.5% CP		17.30	16.15	16.80
Corn DDGS, 7.5% oil		5.00	5.00	5.00
Dried whey, 72% lactose ¹		25.00	25.00	12.50
Whey permeate, 80% lactose		---	---	11.25
Fish meal		3.00	4.50	5.00
Enzyme-treated soybean meal ²		---	5.00	6.00
Spray-dried bovine plasma		4.00	---	---
Fat ³		3.00	3.00	3.00
Calcium carbonate, 38.5% Ca		0.65	0.55	0.55
Monocalcium phosphate, 21.5% P		0.55	0.55	0.70
Salt		0.30	0.30	0.30
L-Lysine HCl		0.35	0.425	0.45
DL-Methionine		0.15	0.185	0.20
L-Threonine		0.13	0.17	0.20
L-Tryptophan		0.025	0.045	0.045
L-Valine		0.07	0.105	0.12
KSU Vitamin premix with phytase		0.25	0.25	0.25
KSU Trace mineral premix		0.15	0.15	0.15
Phytase		*	*	*
Zinc oxide		0.39	0.39	0.39
Total, %		100.00	100.00	100.00
SID Lysine, %		1.40	1.40	1.40
SID Isoleucine:Lysine, %		55	57	56
SID Leucine:Lysine, %		118	114	111
SID Methionine:Lysine, %		32	36	37
SID Met & Cys:Lysine, %		56	56	56
SID Threonine:Lysine, %		63	63	63
SID Tryptophan:Lysine, %		19.3	19.3	19.5
SID Valine:Lysine, %		69	69	69
SID Histidine:Lysine, %		34	33	33
ME, kcal/lb		1,577	1,574	1,582
NE, kcal/lb		1,192	1,189	1,194
SID Lysine:NE, g/Mcal		5.33	5.34	5.32
Crude protein, %		21.4	21.6	21.6
SID Lysine:crude protein ratio		6.54	6.50	6.48
Total calcium, %		0.78	0.80	0.81
STTD phosphorus with phytase, %		0.63	0.63	0.63
Total calcium:total phosphorus ratio		1.12	1.13	1.12
Lactose, %		18.0	18.0	18.0
Sodium, %		0.51	0.41	0.40
Chloride, %		0.69	0.66	0.75
Feed budget, lb/pig		4	4	4

¹Spray-dried edible-grade whey is recommended.

²Enzyme-treated soybean meal, e.g. HP 300, can be replaced by other specialty soy products.

³Added fat, e.g. choice white grease or soybean oil.

*Inclusion level of phytase source of choice to include 2,000 FTU/kg of diet.

Examples of Phase 2 Diets (15 to 25 lb)

Ingredient	Weight range, lb	Phase 2 Diets					
		Option 1	Option 2	Option 3	Option 4	Option 5	Option 6
		15 25	15 25	15 25	15 25	15 25	15 25
Corn		45.70	48.00	43.90	46.40	47.80	54.00
Soybean meal, 47.5% CP		22.75	21.15	24.85	23.10	24.85	28.90
Corn DDGS, 7.5% oil		10.00	10.00	10.00	10.00	10.00	---
Dried whey, 72% lactose ¹		10.00	10.00	---	---	10.00	---
Whey permeate, 80% lactose		---	---	9.00	9.00	---	9.00
Fish meal		---	4.50	---	5.00	---	5.00
Enzyme-treated soybean meal ²		4.50	---	5.00	---	---	---
Fat ³		3.00	3.00	3.00	3.00	3.00	---
Calcium carbonate, 38.5% Ca		0.85	0.60	0.90	0.60	0.85	0.60
Monocalcium phosphate, 21.5% P		1.00	0.55	1.15	0.65	1.05	0.60
Salt		0.55	0.55	0.55	0.55	0.55	0.55
L-Lysine HCl		0.50	0.50	0.50	0.50	0.60	0.35
DL-Methionine		0.17	0.15	0.175	0.16	0.20	0.135
L-Threonine		0.18	0.19	0.19	0.20	0.22	0.145
L-Tryptophan		0.04	0.055	0.03	0.05	0.055	0.015
L-Valine		0.08	0.10	0.08	0.105	0.145	0.05
KSU Vitamin premix with phytase		0.25	0.25	0.25	0.25	0.25	0.25
KSU Trace mineral premix		0.15	0.15	0.15	0.15	0.15	0.15
Phytase		*	*	*	*	*	*
Zinc oxide		0.25	0.25	0.25	0.25	0.25	0.25
Total, %		100.00	100.00	100.00	100.00	100.00	100.00
SID Lysine, %		1.35	1.35	1.35	1.35	1.35	1.35
SID Isoleucine:Lysine, %		58	56	58	55	54	59
SID Leucine:Lysine, %		123	120	122	118	116	117
SID Methionine:Lysine, %		35	35	35	36	36	34
SID Met & Cys:Lysine, %		56	56	56	56	56	55
SID Threonine:Lysine, %		63	63	63	63	63	62
SID Tryptophan:Lysine, %		19.4	19.3	19.2	19.3	19.4	18.5
SID Valine:Lysine, %		69	69	69	69	69	68
SID Histidine:Lysine, %		36	35	37	35	34	37
ME, kcal/lb		1,550	1,560	1,554	1,566	1,546	1,505
NE, kcal/lb		1,160	1,174	1,160	1,176	1,163	1,112
SID Lysine:NE, g/Mcal		5.28	5.22	5.28	5.21	5.27	5.51
Crude protein, %		21.9	21.7	22.2	21.9	20.8	22.2
SID Lysine:crude protein ratio		6.16	6.23	6.09	6.16	6.50	6.07
Total calcium, %		0.74	0.74	0.75	0.75	0.74	0.75
STTD phosphorus with phytase, %		0.56	0.56	0.56	0.56	0.56	0.53
Total calcium:total phosphorus ratio		1.10	1.11	1.11	1.11	1.11	1.15
Lactose, %		7.2	7.2	7.2	7.2	7.2	7.2
Sodium, %		0.37	0.38	0.36	0.38	0.37	0.36
Chloride, %		0.60	0.62	0.66	0.68	0.62	0.66
Feed budget, lb/pig		12	12	12	12	12	12

¹Spray-dried edible-grade whey is recommended.

²Enzyme-treated soybean meal, e.g. HP 300, can be replaced by other specialty soy products.

³Added fat, e.g. choice white grease or soybean oil, may or may not be included in the diet.

*Inclusion level of phytase source of choice to include 2,000 FTU/kg of diet.

Examples of Phase 3 Diets (25 to 50 lb)

Ingredient	Weight range, lb	Phase 3 Diets		
		Option 1	Option 2	Option 3
		25 50	25 50	25 50
Corn		64.85	57.80	50.80
Soybean meal, 47.5% CP		28.35	25.50	22.65
Corn DDGS, 7.5% oil		---	10.00	20.00
Fat ¹		3.00	3.00	3.00
Calcium carbonate, 38.5% Ca		0.75	0.80	0.85
Monocalcium phosphate, 21.5% P		0.80	0.65	0.45
Salt		0.60	0.60	0.60
L-Lysine HCl		0.55	0.60	0.65
DL-Methionine		0.205	0.175	0.14
L-Threonine		0.23	0.22	0.21
L-Tryptophan		0.05	0.055	0.06
L-Valine		0.155	0.125	0.095
KSU Vitamin premix with phytase		0.25	0.25	0.25
KSU Trace mineral premix		0.15	0.15	0.15
Phytase		*	*	*
Copper sulfate		0.05	0.05	0.05
Total, %		100.00	100.00	100.00
SID Lysine, %		1.30	1.30	1.30
SID Isoleucine:Lysine, %		53	54	54
SID Leucine:Lysine, %		111	120	130
SID Methionine:Lysine, %		36	35	34
SID Met & Cys:Lysine, %		56	56	56
SID Threonine:Lysine, %		63	63	63
SID Tryptophan:Lysine, %		19.3	19.3	19.3
SID Valine:Lysine, %		69	69	69
SID Histidine:Lysine, %		35	36	37
ME, kcal/lb		1,558	1,553	1,550
NE, kcal/lb		1,171	1,166	1,163
SID Lysine:NE, g/Mcal		5.04	5.06	5.07
Crude protein, %		19.8	20.7	21.6
SID Lysine:crude protein ratio		6.56	6.28	6.02
Total calcium, %		0.60	0.60	0.59
STTD phosphorus with phytase, %		0.43	0.43	0.43
Total calcium:total phosphorus ratio		1.11	1.10	1.09
Sodium, %		0.27	0.29	0.31
Chloride, %		0.51	0.51	0.51
Feed budget, lb/pig		45	45	45

¹Added fat, e.g. choice white grease or soybean oil, may or may not be included in the diet.

*Inclusion level of phytase source of choice to include 2,000 FTU/kg of diet.