Starter Base Mix Specification – Page 1 of 2

Last updated August, 2017

Name:_____ Product name: Starter Base Mix

Address:_____ _____ _____

Quantity, lb Package size, lb

_____

Use level, lb/ton Sow diets:_____

Phone:_____ Nursery diets: 65 lb

Grower diets:_____

Fax:_____ Finisher diets:_____

Date:_____ Price desired (circle one) $/ton FOB

Date Needed:_____ $/ton Delivered

Amino acids	**Units**	**Guaranteed Potency per Lb of Base Mix**	**Sources**
Lysine	%	7.25	Lysine HCl
Methionine	%	5.2	DL-Methionine
Threonine	%	4.3	L-Threonine
Vitamins	**Units**	**Guaranteed Potency per Lb of Base Mix**	**Sources**
Vitamin A	IU	123,000	Vitamin A acetate (retinyl acetate)
Vitamin D	IU	30,750	Vitamin D_3 (cholecalciferol) with at least 50% supplied by a vitamin A/D_3 cross-linked beadlet
Vitamin E (Pick one source and provide source with quotation)	IU	615	dl-α-tocophorol acetate
	IU	307	d-α-tocophorol acetate (Natural vitamin E)
Vitamin K (menadione)	mg	61.5	MNB (Menadione nicotinamide bisulfite)
Vitamin B_{12}	mg	0.538	Cyanocobalamin
Niacin	mg	1150	Niacinamide, Nicotinic acid
Pantothenic acid	mg	380	d-calcium pantothenate
Riboflavin	mg	115	Crystalline riboflavin
		Guaranteed Potency of Base Mix	
Minerals	**Units**	**mg/lb** / **ppm**	**Sources**
Copper		230 / 500	Copper sulfate
Iodine		4.10 / 9.1	Ca iodate, Ethylenediamine dihydriodide (EDDI)
Iron		1,535 / 3,380	Ferrous sulfate
Manganese		460 / 1,015	Manganese sulfate, manganese oxide
Selenium		4.10 / 9.1	Sodium selenite
Zinc		1,535 / 3,380	Zinc sulfate, zinc oxide
Calcium (Minimum)	%	15.8	Calcium carbonate, monocalcium phosphate, or dicalcium phosphate
(Maximum)	%	17.0	
Available phosphorus	%	6.6	Monocalcium phosphate or dicalcium phosphate
NaCl (Minimum)	%	10.0	Feed or food-grade salt
(Maximum)	%	11.5	

Starter Base Mix Specification – Page 2 of 2

Other	Units	Guaranteed Potency per Lb of Base Mix	Sources
Phytase (Pick one source and provide source with quotation) – Must use guaranteed phytase level provided by the phytase manufacturer.	FTU	10,460	Axtra TPT (Dupont)
	FTU	10,000	OptiPhos PF (Huevepharma); Quantum Blue G (AB Vista)
	FYT	17,400	Ronozyme Hi-Phos GT (DSM); Natuphos E 5,000 G (BASF)
Carrier			
Oil	%		Mineral or vegetable

The following points must be followed unless approval for changes have been made:

a) Guaranteed to stay free-flowing, lump free, and non-dusty.
b) The final moisture level will be less than 10% and 98% product will flow through #20 U.S./Canadian screen.
c) When bagged, all bags must be labeled with tags. Tags should include date of manufacture, lot number, guaranteed analysis, inclusion rate, and proposed use of the product.
d) Formulate using the guaranteed analysis from the supplier for the nutrient. We can request label copies of your ingredients and copies of your mixing records to show quantities of ingredients per batch.
e) Permission must be obtained before using an alternative source for any ingredient.

Sow Base Mix Specification – Page 1 of 2

Last updated August, 2017

Name:_____ Product name: Sow Base Mix with phytase

Address:_____ _____ _____

Quantity, lb Package size, lb

_____

Use level, lb/ton Sow diets: 75

Phone:_____ Nursery diets:_____

Grower diets:_____

Fax:_____ Finisher diets:_____

Date:_____ Price desired (circle one) $/ton FOB

Date Needed:_____ $/ton Delivered

Vitamins	Units	Guaranteed Potency per Lb of Base Mix	Sources
Vitamin A	IU	106,000	Vitamin A acetate (retinyl acetate)
Vitamin D	IU	26,600	Vitamin D_3 (cholecalciferol) with at least 50% supplied by a vitamin A/D_3 cross-linked beadlet
Vitamin E (Pick one source and provide source with quotation)	IU	800	dl-α-tocophorol acetate
	IU	400	d-α-tocophorol acetate (Natural vitamin E)
Vitamin K (menadione)	mg	53	MNB (Menadione nicotinamide bisulfite)
Vitamin B_{12}	mg	0.46	Cyanocobalamin
Niacin	mg	1,000	Niacinamide, Nicotinic acid
Pantothenic acid	mg	333	d-calcium pantothenate
Riboflavin	mg	100	Crystalline riboflavin
Choline	mg	6,660	Choline chloride
Biotin	mg	2.66	Biotin
Folacin	mg	20	Folic acid
Pyridoxine	mg	60	Pyridoxine HCl
Carnitine	mg	600	L-carnitine
Chromium	mg	2.40	Chromium picolinate

Minerals	Units	Guaranteed Potency of Base Mix		Sources
		mg/lb	ppm	
Copper		200	440	Copper sulfate, Copper chloride
Iodine		3.60	7.9	Ca iodate, Ethylenediamine dihydriodide (EDDI)
Iron		1,330	2,930	Ferrous sulfate
Manganese		400	880	Manganese sulfate, manganese oxide
Selenium		3.60	7.9	Sodium selenite
Zinc		1,330	2,930	Zinc sulfate, zinc oxide
Calcium (Minimum)	%	19.5		Calcium carbonate, monocalcium phosphate, or dicalcium phosphate
(Maximum)	%	21.5		
Available phosphorus	%	9.2		Monocalcium phosphate or dicalcium phosphate
NaCl (Minimum)	%	13.3		Feed or food-grade salt
(Maximum)	%	14.0		

Sow Base Mix Specification – Page 2 of 2

Other	Units	Guaranteed Potency per Lb of Base Mix	Sources
Phytase (Pick one source and provide source with quotation) – Must use guaranteed phytase level provided by the phytase manufacturer.	FTU	9,070	Axtra TPT (Dupont)
	FTU	8,660	OptiPhos PF (Huevepharma); Quantum Blue G (AB Vista)
	FYT	15,100	Ronozyme Hi-Phos GT (DSM); Natuphos E 5,000 G (BASF)
Carrier			
Oil	%		Mineral or vegetable

The following points must be followed unless approval for changes have been made:

a) Guaranteed to stay free-flowing, lump free, and non-dusty.
b) The final moisture level will be less than 10% and 98% product will flow through #20 U.S./Canadian screen.
c) When bagged, all bags must be labeled with tags. Tags should include date of manufacture, lot number, guaranteed analysis, inclusion rate, and proposed use of the product.
d) Formulate using the guaranteed analysis from the supplier for the nutrient. We can request label copies of your ingredients and copies of your mixing records to show quantities of ingredients per batch.
e) Permission must be obtained before using an alternative source for any ingredient.

Grow-Finish Base Mix Specification – Page 1 of 2

Last updated August, 2017

Name:_____

Address:_____

_____

Phone:_____

Fax:_____

Date:_____

Date Needed:_____

Product name: GF Base Mix with lysine & phytase

_____ Quantity, lb

_____ Package size, lb

Use level, lb/ton Sow diets:_____

Nursery diets:_____

Grower diets: 45-50

Finisher diets: 35-40

Price desired (circle one) $/ton FOB

$/ton Delivered

Amino acids	Units	Guaranteed Potency per Lb of Base Mix	Sources
Lysine	%	5.24	Lysine HCl
Vitamins	**Units**	**Guaranteed Potency per Lb of Base Mix**	**Sources**
Vitamin A	IU	96,000	Vitamin A acetate (retinyl acetate)
Vitamin D	IU	24,000	Vitamin D_3 (cholecalciferol) with at least 50% supplied by a vitamin A/D_3 cross-linked beadlet
Vitamin E (Pick one source and provide source with quotation)	IU	480	dl-α-tocophorol acetate
	IU	240	d-α-tocophorol acetate (Natural vitamin E)
Vitamin K (menadione)	mg	48	MNB (Menadione nicotinamide bisulfite)
Vitamin B_{12}	mg	0.42	Cyanocobalamin
Niacin	mg	900	Niacinamide, Nicotinic acid
Pantothenic acid	mg	300	d-calcium pantothenate
Riboflavin	mg	90	Crystalline riboflavin
Minerals	**Units**	**Guaranteed Potency of Base Mix** mg/lb / ppm	**Sources**
Copper		300 / 660	Copper sulfate
Iodine		5.4 / 11.9	Ca iodate, Ethylenediamine dihydriodide (EDDI)
Iron		2,000 / 4,400	Ferrous sulfate
Manganese		600 / 1,320	Manganese sulfate, manganese oxide
Selenium		5.4 / 11.9	Sodium selenite
Zinc		2,000 / 4,400	Zinc sulfate, zinc oxide
Calcium (Minimum)	%	20.0	Calcium carbonate, monocalcium phosphate, or dicalcium phosphate
(Maximum)	%	21.5	
Available phosphorus	%	4.8	Monocalcium phosphate or dicalcium phosphate
NaCl (Minimum)	%	17.0	Feed or food-grade salt
(Maximum)	%	20.0	

Grow-Finish Base Mix Specification – Page 2 of 2

	Units	Guaranteed Potency per Lb of Base Mix	Sources
Phytase (Pick one source and provide source with quotation) – Must use guaranteed phytase level provided by the phytase manufacturer.	FTU	8,160	Axtra TPT (Dupont)
	FTU	7,800	OptiPhos PF (Huevepharma); Quantum Blue G (AB Vista)
	FYT	13,600	Ronozyme Hi-Phos GT (DSM); Natuphos E 5,000 G (BASF)
Carrier			
Oil	%		Mineral or vegetable

The following points must be followed unless approval for changes have been made:

a) Guaranteed to stay free-flowing, lump free, and non-dusty.
b) The final moisture level will be less than 10% and 98% product will flow through #20 U.S./Canadian screen.
c) When bagged, all bags must be labeled with tags. Tags should include date of manufacture, lot number, guaranteed analysis, inclusion rate, and proposed use of the product.
d) Formulate using the guaranteed analysis from the supplier for the nutrient. We can request label copies of your ingredients and copies of your mixing records to show quantities of ingredients per batch.
e) Permission must be obtained before using an alternative source for any ingredient.

Grow-Finish DDGS Base Mix Specification – Page 1 of 2

Last updated August, 2017

Name _____
Address_____
_____
_____
Phone_____
Fax_____
Email_____

Product name: GF DDGS Base Mix

_____ _____
Quantity, lb Package size, lb

Use level, lb/ton Sow diets:_____
Nursery diets:_____
Grower diets: 40 to 45 lb
Finisher diets: 35

Price desired (circle one) $/ton FOB

$/ton Delivered

Amino acids	**Units**	**Guaranteed Potency per Lb of Base Mix**	**Sources**
Lysine	%	11.8	Lysine HCl
Vitamins	**Units**	**Guaranteed Potency per Lb of Base Mix**	**Sources**
Vitamin A	IU	96,000	Vitamin A acetate (retinyl acetate)
Vitamin D	IU	24,000	Vitamin D_3 (cholecalciferol) with at least 50% supplied by a vitamin A/D_3 cross-linked beadlet
Vitamin E (Pick one source and provide source with quotation)	IU	480	dl-α-tocophorol acetate
	IU	240	d-α-tocophorol acetate (Natural vitamin E)
Vitamin K (menadione)	mg	48	MNB (Menadione nicotinamide bisulfite)
Vitamin B_{12}	mg	0.42	Cyanocobalamin
Niacin	mg	900	Niacinamide, Nicotinic acid
Pantothenic acid	mg	300	d-calcium pantothenate
Riboflavin	mg	90	Crystalline riboflavin
Minerals	**Units**	**Guaranteed Potency of Base Mix** mg/lb / ppm	**Sources**
Copper		300 / 660	Copper sulfate
Iodine		5.4 / 11.9	Ca iodate, Ethylenediamine dihydriodide (EDDI)
Iron		2,000 / 4,400	Ferrous sulfate
Manganese		600 / 1,320	Manganese sulfate, manganese oxide
Selenium		5.4 / 11.9	Sodium selenite
Zinc		2,000 / 4,400	Zinc sulfate, zinc oxide
Calcium (Minimum)	%	20.0	Calcium carbonate, monocalcium phosphate, or dicalcium phosphate
(Maximum)	%	23.0	
Available phosphorus	%	0.2	Monocalcium phosphate or dicalcium phosphate
NaCl (Minimum)	%	17.0	Feed or food-grade salt
(Maximum)	%	20.0	

Grow-Finish DDGS Base Mix Specification – Page 2 of 2

	Units	Guaranteed Potency per Lb of Base Mix	Sources
Phytase (Pick one source and provide source with quotation) – Must use guaranteed phytase level provided by the phytase manufacturer.	FTU or FYT	8,160	Axtra TPT (Dupont)
	FTU	7,800	OptiPhos PF (Huevepharma); Quantum Blue G (AB Vista)
	FYT	13,600	Ronozyme Hi-Phos GT (DSM); Natuphos E 5,000 G (BASF)
Carrier			
Oil	%		Mineral or vegetable

The following points must be followed unless approval for changes have been made:

f) Guaranteed to stay free-flowing, lump free, and non-dusty.

g) The final moisture level will be less than 10% and 98% product will flow through #20 U.S./Canadian screen.

h) When bagged, all bags must be labeled with tags. Tags should include date of manufacture, lot number, guaranteed analysis, inclusion rate, and proposed use of the product.

i) Formulate using the guaranteed analysis from the supplier for the nutrient. We can request label copies of your ingredients and copies of your mixing records to show quantities of ingredients per batch.

j) Permission must be obtained before using an alternative source for any ingredient.