

Starter Base Mix Specification – Page 1 of 2

Last updated July, 2018

Name: _____

Product name: Starter Base Mix

Address: _____

Quantity, lb _____

Package size, lb _____

Phone: _____

Use level, lb/ton Sow diets: _____

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
		mg/lb	ppm	
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	57,690		Vitamin A acetate (retinyl acetate)
Vitamin D	IU	23,070		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	46		MNB (Menadione nicotinamide bisulfite)
Vitamin B ₁₂	mg	0.46		Cyanocobalamin
Niacin	mg	692		Niacinamide, Nicotinic acid
Pantothenic acid	mg	380		d-calcium pantothenate
Riboflavin	mg	115		Crystalline riboflavin
Minerals	Units	Guaranteed Potency of Base Mix		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) (Maximum)	%	15.8		Calcium carbonate, monocalcium phosphate, or dicalcium phosphate
	%	17.0		
Available phosphorus	%	6.6		Monocalcium phosphate or dicalcium phosphate
NaCl (Minimum) (Maximum)	%	10.0		Feed or food-grade salt
	%	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	16,000	OptiPhos PF (Huevepharma); Quantum Blue G (AB Vista)
	FTU or FYT	20,000	Axta TPT (Dupont) Ronozyme Hi-Phos GT (DSM); Natuphos E 5,000 G (BASF)
Carrier			
Oil	%		Mineral or vegetable
<p>The following points must be followed unless approval for changes have been made:</p> <ol style="list-style-type: none"> 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 July, 2018

Name: _____

Product name: Sow Base Mix with phytase

Address: _____

Quantity, lb _____

Package size, lb _____

Phone: _____

Use level, lb/ton Sow diets: 75

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
		mg/lb	ppm	
Vitamin A	IU	100,000		Vitamin A acetate (retinyl acetate)
Vitamin D	IU	20,600		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	40		MNB (Menadione nicotinamide bisulfite)
Vitamin B ₁₂	mg	0.40		Cyanocobalamin
Niacin	mg	600		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	26		Folic acid
Pyridoxine	mg	12		Pyridoxine HCl
Carnitine	mg	600		L-carnitine
Chromium	mg	2.40		Chromium picolinate
Minerals				
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) (Maximum)	%	19.5		Calcium carbonate, monocalcium phosphate, or dicalcium phosphate
	%	21.5		
Available phosphorus	%	9.2		Monocalcium phosphate or dicalcium phosphate
NaCl (Minimum) (Maximum)	%	13.3		Feed or food-grade salt
	%	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	8,660	OptiPhos PF (Huevepharma); Quantum Blue G (AB Vista)
	FYT	15,100	Axta TPT (Dupont) Ronozyme Hi-Phos GT (DSM); Natuphos E 5,000 G (BASF)
Carrier			
Oil	%		Mineral or vegetable
<p>The following points must be followed unless approval for changes have been made:</p> <ul style="list-style-type: none"> 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 July, 2018

Name: _____

Product name: GF Base Mix with lysine & phytase

Address: _____

Quantity, lb _____

Package size, lb _____

Phone: _____

Use level, lb/ton Sow diets: _____

Nursery diets: _____

Fax: _____

Grower diets: 45-50

Finisher diets: 35-40

Date: _____

Price desired (circle one)

\$/ton FOB

Date Needed: _____

\$/ton Delivered

Amino acids	Units	Guaranteed Potency per Lb of Base Mix		Sources
		mg/lb	ppm	
Lysine	%	5.24		Lysine HCl
Vitamins	Units	Guaranteed Potency per Lb of Base Mix		Sources
		mg/lb	ppm	
Vitamin A	IU	45,000		Vitamin A acetate (retinyl acetate)
Vitamin D	IU	18,000		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	36		MNB (Menadione nicotinamide bisulfite)
Vitamin B ₁₂	mg	0.36		Cyanocobalamin
Niacin	mg	540		Niacinamide, Nicotinic acid
Pantothenic acid	mg	300		d-calcium pantothenate
Riboflavin	mg	90		Crystalline riboflavin
Minerals	Units	Guaranteed Potency of Base Mix		Sources
		mg/lb	ppm	
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) (Maximum)	%	20.0		Calcium carbonate, monocalcium phosphate, or dicalcium phosphate
	%	21.5		
Available phosphorus	%	4.8		Monocalcium phosphate or dicalcium phosphate
NaCl (Minimum) (Maximum)	%	17.0		Feed or food-grade salt
	%	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	7,800	OptiPhos PF (Huevepharma); Quantum Blue G (AB Vista)
	FTU or FYT	13,600	Axtra TPT (Dupont) Ronozyme Hi-Phos GT (DSM); Natuphos E 5,000 G (BASF)
Carrier			
Oil	%		Mineral or vegetable
<p>The following points must be followed unless approval for changes have been made:</p> <ul style="list-style-type: none"> 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 July, 2018

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	45,000		Vitamin A acetate (retinyl acetate)
Vitamin D	IU	18,000		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	36		MNB (Menadione nicotinamide bisulfite)
Vitamin B ₁₂	mg	0.36		Cyanocobalamin
Niacin	mg	540		Niacinamide, Nicotinic acid
Pantothenic acid	mg	300		d-calcium pantothenate
Riboflavin	mg	90		Crystalline riboflavin
Minerals	Units	Guaranteed Potency of Base Mix		Sources
		mg/lb	ppm	
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) (Maximum)	%	20.0		Calcium carbonate, monocalcium phosphate, or dicalcium phosphate
	%	23.0		
Available phosphorus	%	0.2		Monocalcium phosphate or dicalcium phosphate
NaCl (Minimum) (Maximum)	%	17.0		Feed or food-grade salt
	%	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	7,800	OptiPhos PF (Huevepharma); Quantum Blue G (AB Vista)
	FYT	13,600	Axtra TPT (Dupont) Ronozyme Hi-Phos GT (DSM); Natuphos E 5,000 G (BASF)
Carrier			
Oil	%		Mineral or vegetable
<p>The following points must be followed unless approval for changes have been made:</p> <ul style="list-style-type: none"> 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. 			