SWINE CONTENTS

RESOURCES

Quick Reference Guide – Water/Floor Space

SWINE FEEDS

Blueprint® Extruded Creep

Vigor™ Starter 4

Vigor™ 16% Hog Grower (Pellet)

Vigor™ 35% Sow & Pig Supplement

Vigor™ Sow & Pig Premix

Blueprint® Sow Transition Topdress

Blueprint® Gilt Lactation Supplement

Water Consumption Rates for Pigs

TYPE OF PIG	CONSUMPTION (LITRES PER DAY)	MINIMUM (LITRES)
Suckling Pig		0.3
Nursery 5 – 25 kg	0.5 – 2.5	0.7
Weaner 25 – 40 kg	2.5 – 4	1.0
Grower 40 – 70 kg	4 – 7	1.3
Finisher 70 – 120 kg	7 – 9	1.5
Pregnant Sow	9 – 15	1.5
Lactating Sow	18 – 35	2.0
Nipple/Bite		1.5 – 2.0
Nose Drinker		2.5

Floor Space Requirements for Pigs

AVERAGE WEIGHT OF PIGS		SPACE REQUIREMENTS	
KILOGRAMS	POUNDS	SQUARE METRES	SQUARE FEET
5	11		
6	13		
7	15	0.13	1.4
8.5	19	0.15	1.6
11	24	0.17	1.9
14.5	32	0.20	2.2
18	40	0.24	2.6
23	50	0.29	3.0
28	60	0.32	3.4
36	80	0.39	4.2
45	100	0.45	4.8
55	120	0.49	5.3
66	140	0.56	6.0
73	160	0.60	6.5
82	180	0.66	7.1
90	200	0.70	7.6
105	230	0.75	8.1
112	250	0.78	8.5



Formulated with Solutions from Alltech®

TARGETED NUTRITION Blueprint®

Swine

Extruded Creep

For feeding to young piglets

Masterfeeds Blueprint® Extruded Creep is a highly digestible, fragrant and palatable feed specialized to stimulate intake and transition the gut in suckling piglets. It is designed to get piglets off to a quick start and reduce post weaning scours.

Who Uses:

A performance-oriented producer who is looking to feed a creep feed to their piglets while still nursing on the sow to ensure a smoother transition of the gut. This extruded ration incorporates specific ingredients proven to improve overall gut development which in turn will heighten immune function and increase digestibility.

Feeding Directions:

Masterfeeds Blueprint® Extruded Creep is an ideal creep feed for piglets still nursing on the sow. This feed can also be used for the first feeding in the nursery. Typical usage will range from 0.25 kg to 2.0 kg.

Feeding Tips:

Weaning young pigs into a proper environment is critical to ensure good health and performance throughout the nursery phase. Follow proper stocking density, temperature, humidity and ventilation guidelines for managing nursery pigs. Keep feed fresh in feeders and feed multiple times per day in the first 48 to 72 hours and ensure there is an adequate supply of clean fresh drinking water.

Feed Masterfeeds Blueprint® Extruded Creep according to the feed budget developed for your individual needs/goals (typically as a creep feed and for two days post wean).

Features & Benefits:

1. *Breaks down structure of starch and protein, lowering energy cost to digest and increases surface area.*
2. *Decreases anti-nutritional factors in protein.*
3. *Destroys the cell wall of oil seeds, which improves utilization of oil.*
4. *Reduces the rancidity of oil components resulting in a longer shelf life.*
5. *Improves palatability through smell, taste and texture.*
6. *Improves solubility and digestibility of fibre.*
7. *Reduces digestive tract stress resulting in fewer scours.*
8. *Remains in suspension when mixed as a gruel feed.*

GUARANTEED ANALYSIS

Crude Protein (minimum)	20.0%
Crude Fat (minimum)	8.0%
Crude Fibre (maximum)	3.5%
Calcium (minimum)	0.8%
Phosphorus (minimum)	0.6%
Sodium (minimum)	0.3%
Copper (minimum)	6.0 mg/kg
Selenium (minimum)	0.3 mg/kg
Zinc (minimum)	100 mg/kg
Vitamin A (minimum)	12,900 IU/kg
Vitamin D (minimum)	1,500 IU/kg
Vitamin E (minimum)	200 IU/kg

Net Weight 20 kg
Product #: 305160

Masterfeeds Swine Nutrition

VIGOR™ STARTER 4

FOR FEEDING TO PIGS IN THE MID TO LATE NURSERY PHASE

PIG STARTER

Masterfeeds Vigor™ Starter 4 is a highly digestible and palatable starter ration designed to ensure continued and fast efficient growth

WHO USES:

A producer who wants a palatable diet for optimal growth and efficiency in the nursery.

FEEDING DIRECTIONS:

Masterfeeds Vigor Starter 4 is a highly digestible and palatable starter ration designed to ensure continued and fast efficient growth. It is ideal as a starter for pigs weighing from 12 kg to 25 kg body weight. It can be fed following Vigor Starter 3 in a multi-phase starter program. Typical usage is approximately 20 kg per pig.

FEATURES & BENEFITS:

Strategic enzyme combination. *Improves digestibility and nutrient absorption for better growth and efficiency.*

Direct-fed microbial. *Intended to promote the growth of beneficial intestinal micro flora and improve ingredient digestibility and aid in improving gut health and function.*

Comprehensive vitamin and organic mineral package. *Aids in promoting healthy vigorous piglets for maximum growth potential.*

Acidified. *Improves digestibility and promotes optimal growth.*

FEEDING TIPS:

1. *A proper environment is critical to ensure good health and performance throughout the nursery phase. Follow proper stocking density, temperature, humidity and ventilation guidelines for managing nursery pigs. Keep feed fresh and ensure there is an adequate supply of clean fresh drinking water.*
2. *Feed Masterfeeds Vigor Starter 4 according to the feed budget developed for your individual needs/goals. Vigor Pig Starter 4 is suitable to be fed from 12.5 kg to 25 kg in a multi-phase starter program.*

GUARANTEED ANALYSIS

Crude Protein (minimum)	18.0%
Crude Fat (minimum)	3.0%
Crude Fiber (maximum)	4.5%
Calcium (minimum)	0.7%
Phosphorus (minimum)	0.55%
Sodium (minimum)	0.2%
Copper (minimum)	80 mg/kg
Selenium (minimum)	0.3 mg/kg
Zinc (minimum)	500 mg/kg
Vitamin A (minimum)	12,500 IU/kg
Vitamin D (minimum)	1,500 IU/kg
Vitamin E (minimum)	100 IU/kg

Net Weight 25 kg
Product #: 305217

Masterfeeds Swine Nutrition

HOG GROWER

VIGOR™ 16% HOG GROWER (PELLET)

FOR GROWING PIGS FROM 50 KG TO 75 KG

Masterfeeds Vigor™ 16% Hog Grower (pellet) contains a blend of premium grains and ingredients and is balanced to provide maximum nutrition for the growing and finishing of market swine.

FEEDING DIRECTIONS:

Feed Masterfeeds Vigor™ 16% Hog Grower continuously as the sole ration to growing pigs from 50 to 75 kg of body weight to market weight.

GUARANTEED ANALYSIS

Crude Protein (minimum)	16.0%
Crude Fat (minimum	)3.7%
Crube Fibre (maximum)	6.0%
Calcium (minimum)	0.7%
Phosphorus (minimum)	0.5%
Sodium (minimum)	0.21%
Copper (minimum)	25 mg/kg
Zinc (minimum)	160 mg/kg
Selenium (minimum)	0.3 mg/kg
Vitamin A (minimum)	8,000 IU/kg
Vitamin D (minimum)	1,250 IU/kg
Vitamin E (minimum)	30 IU/kg

Net Weight 25 kg
Product #: 308434

Masterfeeds Swine Nutrition

VIGOR™ 35% SOW & PIG SUPPLEMENT

FOR GROWING PIGS FROM 50 KG TO 75 KG

SWINE SUPPLEMENT

Masterfeeds Vigor™ 35% Sow & Pig Premix provides all the protein, minerals and vitamins necessary for sows and pigs. A product to be mixed with on-farm grain for many life stages.

FEEDING DIRECTIONS:

Feed Vigor™ 35% Sow & Pig Supplement to hogs being fed for slaughter. Feed the sow ration to pregnant sows at the rate of 1.0 to 2.5 kg per 100 kg of body weight depending upon age of the animal, body condition and environmental insult. Lactating sows should be fed to appetite (a minimum of 1 kg per 100 kg of body weight plus 0.5 kg per nursing piglet should be consumed daily).

MIXING DIRECTIONS:

Vigor 35% Sow & Pig Supplement may be used to make feed for both growing hogs and for sows when mixed according to the formulas below.

Ingredient	Growing Ration	Sow Ration
35% Supplement	150	150
Wheat Bran	-	50
Wheat	100	-
Barley	740	790
Canola Oil	10	10
Total	1,000 kg	1,000 kg

GUARANTEED ANALYSIS

Crude Protein (minimum)	35.0%
Crude Fat (minimum)	1.0%
Crude Fibre (maximum)	7.5%
Calcium (minimum)	5.5%
Phosphorus (minimum)	2.0%
Magnesium (minimum)	0.4%
Sulfur (minimum)	0.85%
Sodium (minimum)	1.2%
Potassium (minimum)	1.2%
Iodine (minimum)	11.8 mg/kg
Iron (minimum)	1,815 mg/kg
Copper (minimum)	145 mg/kg
Manganese (minimum)	370 mg/kg
Selenium (minimum)	1.7 mg/kg
Zinc (minimum)	910 mg/kg
Vitamin A (minimum)	50,000 IU/kg
Vitamin D (minimum)	9,900 IU/kg
Vitamin E (minimum)	495 IU/kg

Net Weight 25 kg
Product #: 308418

Masterfeeds Swine Nutrition

SWINE PREMIX

VIGOR™ SOW & PIG PREMIX

FOR MIXING WITH ON-FARM INGREDIENTS TO PRODUCE FEED FOR SOWS & PIGS

Masterfeeds Vigor™ Sow & Pig Premix contains a balanced level of vitamins and minerals that will maximize feed nutrient value to optimize performance in breeder pigs.

FEEDING DIRECTIONS:

To make a complete pig ration, mix according to the table below. For additional feeding recommendations, contact your local Masterfeeds Account Manager.

Ingredient	Sow	Grower/ Finisher
Premix	50	40
Wheat	200	200
Barley/Corn	500	600
Soybean Meal	240	150
Feeding Oil	10	11
Total	1,000 kg	1,000 kg

GUARANTEED ANALYSIS

Calcium (minimum)	16.0%
Phosphorus (minimum)	5.7%
Magnesium (minimum)	0.3%
Sulfur (minimum)	0.5%
Sodium (minimum)	5.1%
Potassium (minimum)	0.2%
Iodine (minimum)	40 mg/kg
Iron (minimum)	6,120 mg/kg
Copper (minimum)	495 mg/kg
Manganese (minimum)	975 mg/kg
Selenium (minimum)	6.0 mg/kg
Zinc (minimum)	3,000 mg/kg
Biotin (minimum)	10,000 mcg/kg
Folic Acid (minimum)	60 mg/kg
Niacin (minimum)	1,010 mg/kg
Pantothenic Acid (minimum)	600 mg/kg
Pyridoxine (minimum)	140 mg/kg
Riboflavin (minimum)	200 mg/kg
Thiamine (minimum)	80 mg/kg
Vitamin A (minimum)	250,000 IU/kg
Vitamin B_{12} (minimum)	1,000 mcg/kg
Vitamin D (minimum)	30,000 IU/kg
Vitamin E (minimum)	1,500 IU/kg
Vitamin K_3 (minimum)	100 mg/kg

Net Weight 25 kg
Product #: 304479

Masterfeeds Swine Nutrition

Formulated with Solutions from Alltech®

TARGETED NUTRITION Blueprint® Swine

Sow Transition Topdress

For feeding to late gestation sows at the end of the third trimester (day 90-110 of gestation)

Masterfeeds Blueprint® Sow Transition Topdress is a pelleted feed designed for late gestation sows, during the last trimester. Optimizing nutrient intake during the last trimester of gestation is critical to the proper development of the litter, mammary gland development and ensuring the sow is prepared for lactation.

Who Uses:

A performance-oriented producer who wants to improve piglet birth weight and uniformity. This easy to use top-dress converts a gestation ration into an excellent transition ration, containing specific ingredients to improve both the birth weight and uniformity of new born piglets.

Feeding Directions:

Feed at 0.5 kg/day from day 90 to 110 of gestation on top of 2.5 kg of your existing sow gestation ration.

Features & Benefits:

High-quality, highly palatable formula.
Promotes increased intake.

Balanced amino acids and energy.
Meet the nutritional requirements of late gestation sows.

Contains balanced levels of vitamins and minerals.
Contributes to overall animal health and disease resistance

Contains high levels of effective fibre.
Reduces constipation.

Alltech's Total Replacement Technology® (TRT).
Achieved through the inclusion of proteinated trace minerals in the form of Bioplex® and Sel-Plex®, TRT replaces all inorganic sources of trace minerals and Selenium. Proteinated minerals are readily absorbed, stored and utilized by the sow helping it meet nutrition requirements and achieve optimal health.

GUARANTEED ANALYSIS

Crude Protein (minimum)	19.0%
Crude Fat (minimum)	5.0%
Crude Fibre (maximum)	11.0%
Calcium (minimum)	0.9%
Phosphorus (minimum)	0.7%
Magnesium (minimum)	0.3%
Sulfur (minimum)	0.3%
Sodium (minimum)	0.3%
Potassium (minimum)	1.0%
Iodine (minimum)	1.2 mg/kg
Iron (minimum)	290 mg/kg
Copper (minimum)	30 mg/kg
Manganese (minimum)	100 mg/kg
Selenium (minimum)	0.3 mg/kg
Zinc (minimum)	150 mg/kg
Vitamin A (minimum)	12,500 IU/kg
Vitamin D (minimum)	1,500 IU/kg
Vitamin E (minimum)	75 IU/kg

Net Weight: 25 kg
Product #: 300225

Masterfeeds Swine Nutrition

Formulated with Solutions from Alltech®

TARGETED NUTRITION Blueprint® Swine

Gilt Lactation Supplement

For feeding to low intake lactating sows for the last 10 days of lactation

Masterfeeds Blueprint® Gilt Lactation Supplement is a pelleted feed designed for sows with challenged intakes during lactation. Providing first parity sows with superior nutrition for life-long performance.

Who Uses:

A performance-oriented producer who wants to improve piglet weaning weight and uniformity while ensuring optimal sow body condition and subsequent reproductive performance. This easy-to-use supplement converts a lactation ration into a superior ration to close the parity gap. This supplement contains key ingredients to improve both the performance of nursing piglets and sows.

Feeding Directions:

Feed as top-dress to sows for the last 10 days of lactation. Feed at 0.5 kg in the morning and 0.5 kg in the afternoon on top of your existing sow lactation ration.

Features & Benefits:

High-quality, highly palatable formula.
Promotes increased water and feed intake.

Improves digestibility of lactation ration.
Contains specific technologies to improve the digestibility of nutrients in the lactation ration

Balanced amino acids and energy.
Meets the nutritional requirements of late lactation sows.

Contains balanced levels of vitamins and minerals.
Boosts overall animal health and disease resistance.

Alltech's Total Replacement Technology® (TRT).
Achieved through the inclusion of proteinated trace minerals in the form of Bioplex® and Sel-Plex®, TRT replaces all inorganic sources of trace minerals and Selenium. Proteinated minerals are readily absorbed, stored and utilized by the sow helping it meet nutrition requirements and achieve optimal health.

GUARANTEED ANALYSIS

Crude Protein (minimum)	28.5%
Crude Fat (minimum)	4.5%
Crude Fibre (maximum)	7.5%
Calcium(minimum)	1.8%
Phosphorus (minimum)	0.99%
Magnesium (minimum)	0.22%
Sulfur (minimum)	0.35%
Sodium (minimum)	0.3%
Potassium (minimum)	1.4%
Iodine (minimum)	4.0 mg/kg
Iron (minimum)	515 mg/kg
Copper (minimum)	55 mg/kg
Manganese (minimum)	120 mg/kg
Selenium (minimum)	0.6 mg/kg
Zinc (minimum)	200 mg/kg
Vitamin A (minimum)	20,000 IU/kg
Vitamin D (minimum)	2,400 IU/kg
Vitamin E (minimum)	150 IU/kg

Net Weight: 25 kg
Product #: 300300

Masterfeeds Swine Nutrition