

# Swine Feeds



Prince Feeds offer products for all stages of production: sows, starters, growers and finishers. We provide complete feeds as well as protein supplements and base mixes for on-farm blending.

The nutrient guarantee for swine feeds will often look similar across many manufacturers. However, the superiority of Prince swine feeds are based upon the chosen ingredients and manufacturing techniques as well as the “label” nutrient content.

## Multiple Protein Sources

Essentially all companies balance diets for methionine and lysine, the first two amino acids, to limit production in corn-soybean based diets. Prince swine feeds include ingredients such as: meat and bone meal, alfalfa meal and linseed meal. These other ingredients help to supply other essential amino acids, key fatty acids and highly digestible minerals, which allow maximum production.

## Locked Formulas

Prince does not vary its formulations based on least cost formulation. Locked in formulas guarantee the same quality goes in to every bag. Beyond that, we only purchase ingredients from sources with a history of providing consistent high quality products. By doing so, we encourage good feed consumption and steady production.

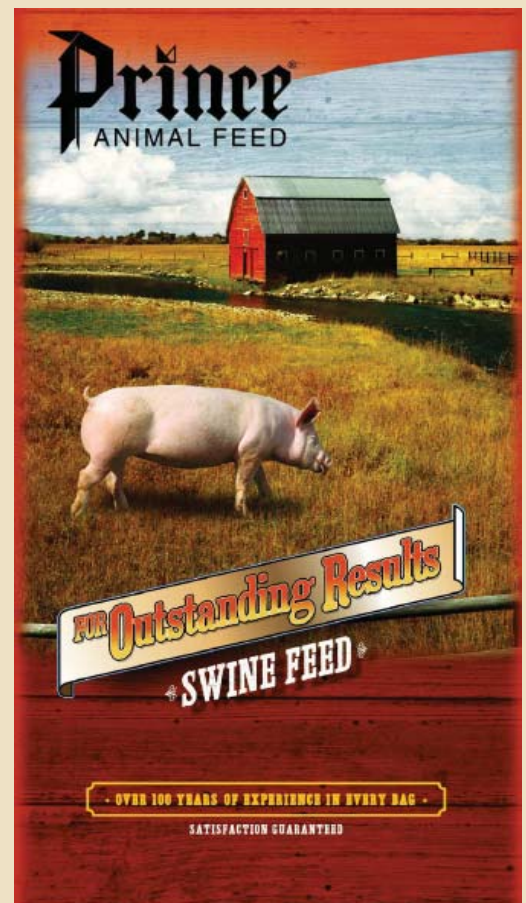
## Manufacturing Technique

Prince operates its pelleting equipment at temperatures that have been shown to improve the digestibility of pellets and crumbles versus the products manufactured at either cooler or warmer temperatures.

Prince swine feeds are available in both medicated forms preferred by commercial operations and in non-medicated forms preferred by many raising swine for their own use.

### Fun Fact:

*The heaviest hog ever recorded was in Jackson, TN in 1933. The Poland China hog named “Big Bill” weighed 2,552 pounds & was 9 ft. long with a belly that dragged on the ground.*



## Product Offerings

Prince offers a variety of swine products to meet both different life stages, and management options from complete feeds to protein concentrates to base mineral mixes.

Prince complete feeds are designed to meet all the nutritional needs for pigs in their particular stage of development. Our swine feeds use a variety of protein sources to meet multiple amino acid needs. Producers benefit from using a complete feed in that they can use a product that contains ingredients that they may not be able to inventory themselves. By doing this they can expect accurate blending and manufacturing to actually deliver what is needed, and they avoid using their own valuable time, efforts and equipment to manufacture feed. Prince Starter, Grower and Finisher feeds are designed for *ad libitum* (free choice) consumption.



- STARTER FEEDS** - “Start-N-Gain” products are designed to be fed to pigs from 10-50 pounds in weight. These starter products are 21% protein, and contain protein from multiple sources, including fishmeal, whey, porcine meat and bone meal and soybean meal. These palatable feeds encourage dry matter intake, which is important to keep post-weaned pigs healthy and growing. Prince starter feeds are available in both a non-medicated form and one with ASP-250 to help control *Bacterial Enteritis* and *Atrophic Rhinitis*.
- GROWER FEEDS** - “Start-N-Gain” products are designed to be fed to pigs from 50-140 pounds in weight. “Grow-N-Gain” feeds have the same flavor profile as our starter feed to reduce the stress pigs go through when changing feeds. These grower products (17% protein) are available as non-medicated feeds and those containing either ASP-250 or Neo-Terra.
- FINISHER FEEDS** - Swine Finisher is a non-medicated 14% protein feed to be used on pigs from 140 pounds to finishing weights. Finisher feed is designed to provide an economical way to bring pigs to finishing weights.

Nutrient	21% Swine “Start-N-Gain”	17% Swine “Grow-N-Gain”	14% Swine Finisher
Crude Protein (min) %	21	17	14
Lysine (min) %	1.20	1.00	0.75
Crude Fat (min) %	3.50	3.5	3.5
Crude Fiber (max) %	3.00	4.0	4.0
Calcium %	0.7 to 1.1	0.65 to 0.90	0.65 to 0.90
Phosphorus %	0.60	0.55	0.45
Salt %	0.20 to 0.50	0.30 to 0.60	0.30 to 0.60
Selenium (ppm)	0.3	0.22	0.14
Zinc (ppm)	190	150	110
Medication Options	Non-Medicated Aureo SP 250	Non-Medicated Aureo SP 250 Neo/Terra	Non-Medicated
Form	Pellet	Pellet	Pellet
Feeding/Mixing Directions Free Choice	Feed as complete ration to pigs weighing 10-50 lbs.	Feed as complete ration to pigs weighing 50-140 lbs.	Feed as complete ration to pigs weighing 140 lbs. to market

### Fun Fact:

*Pigs were domesticated around 7,000 B.C. They were the first animals to be domesticated.*

Prince concentrate feeds provide proteins, minerals and vitamins that allow the producer to use their own corn in developing swine diets. Concentrates contain proteins, vitamins and minerals (both macro and trace), and will provide the best, most uniform feed for on-farm mix-and-grind operations.

- **HOG CONCENTRATE** - Prince's 42% Hog Concentrate provides a multiple protein source that can be used to grind and mix feeds for starters, growers, finishers and sows.

Nutrient	42% Hog Concentrate
Crude Protein (min) %	42
Lysine (min) %	2.5
Crude Fat (min) %	2.80
Crude Fiber (max) %	4.00
Calcium %	3.5 to 4.2
Phosphorus %	1.9
Salt %	2.2 to 3.0
Selenium (ppm)	1.1
Zinc (ppm)	700
Medication Options	Non-medicated
Form	Meal
Feeding/Mixing Directions	See chart below



**Fun Facts:**

*A pig's skin is the thickest at the back...a 1/6 of an inch. Pigs, walruses and light-colored horses can be sunburned. It is physically impossible for pigs to look up into the sky.*

We recommend using Prince "Start-N-Gain" for pigs less than 40 pounds. The greater nutrient content, processing and greater digestibility is important in getting pigs started. When feeding leaner pigs with greater growth rates one should also consider keeping these pigs on a higher protein concentration. Example: Feed up to 15 pounds higher than the chart recommends before making a switch in formulation.

	17.5% Pig Starter 40 lbs. to 90 lbs.	15% Pig Grower 90 lbs. to 150 lbs	13% Hog Finisher 150 lbs. to Market	14% Sow Feed
42% Hog Concentrate	500	380	275	300
Ground Shell Corn	1150	1620	1725	1300
Ground Oats	350	----	----	----
TOTAL	2000	2000	2000	2000
*Nutrient Content				
Crude Protein (min) %	17.5	15.0	13.2	14.1
Lysine (min) %	0.8 to 0.9	0.6 to 0.7	0.5 to 0.6	0.5 to 0.6
Crude Fat (min) %	3.4	3.4	3.4	3.4
Crude Fiber (max) %	3.8	2.2	2.1	2.1
Calcium %	0.7 to 1.1	0.6 to 1.0	0.5 to 0.9	0.5 to 0.9
Phosphorus %	0.7	0.6	0.5	0.5
Salt %	0.5 to 0.7	0.4 to 0.6	0.3 to 0.5	0.3 to 0.5
Selenium (ppm)	.30	.23	.16	.16
Zinc (ppm)	190	150	110	110

\*Nutrient content is estimated. Variation on corn nutrients occurs with variable starch deposition and dry matter.

**Fun Fact:**

*The expression “go whole hog” came from the 18th century when the English shilling was at one time called a “hog.” Thus, one willing to spend an entire shilling on the entertainment of a friend in a pub was willing to “go whole hog.”*

Prince base mix products provide the minerals and vitamins needed to mix with corn-soybean based diets. The use of a base mix reduces blending errors compared to simply adding a small VTM pack. Producers may also find it more economical to purchase Prince base mix versus buying Dicalcium phosphate and limestone to use with a VTM pack.

- **BASE MIXES** - Swine Grower/Finisher Base Mix and Swine Sow 100. Each contains the macro minerals, micro mineral and vitamins needed by growing pigs or the breeding herd. Each also contains lysine needed to help meet amino acid needs.

### Swine Grower/Finisher Base Mix

Prince’s Swine Grower Finisher Base provides the minerals and vitamins needed to support superior growth and development in growing swine for market or replacement breeding stock. The level of base mix supplementation declines as pigs reach greater weights and a less mineral nutrient dense diet is required. Prince still recommends the use of its “Start-N-Grow” product for pigs post weaning.

Guaranteed Analysis of Prince Swine Grower/Finisher Base Mix

Nutrient	Swine Grower/Finisher Base Mix
Lysine (min) %	3.9
Calcium %	20 to 24
Phosphorus %	8.0
Salt %	13 to 15
Selenium (ppm)	9.9
Zinc (ppm)	3500
Medication Options	Non-Medicated
Form	Meal
Feeding/Mixing Directions	See Chart Below



Nutrient content of rations using Prince Swine Grower/Finisher Base Mix

	50-75 lbs.	75-100 lbs.	100-140 lbs.	140-200 lbs.	200 lbs.- Market
Grower/Finisher Base Mix	60	55	50	45	40
Ground Shell Corn	1300	1415	1535	1620	1715
47% SBM	640	530	415	335	245
TOTAL	2000	2000	2000	2000	2000
Nutrient Content*					
Crude Protein (min) %	23.6	18.7	16.5	14.9	13.2
Lysine (min) %	1.2	1.1	0.9	0.8	0.7
Crude Fat (min) %	2.6	2.7	2.9	3.0	3.1
Crude Fiber (max) %	2.2	2.2	2.1	2.1	2.0
Calcium %	0.7 to 0.9	0.6 to 0.8	0.5 to 0.7	0.5 to 0.7	0.5 to 0.7
Phosphorus %	0.61	0.55	0.53	0.49	.45
Salt %	0.3 to 0.5	0.4 to 0.5	0.3 to 0.5	0.2 to 0.4	0.2 to 0.4
Selenium (ppm)	0.3	0.27	0.25	0.22	.20
Zinc (ppm)	135	124	112	101	91

## Prince Swine Sow 100 Base Mix

Prince Swine Sow 100 Base Mix is designed to supply minerals, vitamins and additional lysine to the adult swine breeding herd. This base mix is added at a rate of 100 pounds per ton, regardless of reproductive stage. Gestating sows require less nutrients than lactating sows. Feed intake should be restricted in early gestation (4-6 lbs hd/day), but allowed to increase as sows approach farrowing and continue to increase during lactation (10-15 lbs hd/day).

### Guaranteed Analysis of Prince Swine Sow 100 Base Mix

Nutrient	Swine Sow 100 Base Mix
Lysine (min) %	0.8
Calcium %	18 to 22
Phosphorus %	10
Salt %	8.0 to 10.0
Selenium (ppm)	6
Zinc (ppm)	3200
Medication Options	Non-Medicated
Form	Meal
Feeding/Mixing Directions	See Chart Below



### Nutrient content of rations using Prince Swine Sow 100 Base Mix

	Early Gestation	Later Gestation	Lactation	Lactation
Sow 100 Base	100	100	100	100
Ground Shell Corn	1600	1170	1240	1300
47% SBM	300	680	610	550
Fat	0	50	50	50
TOTAL	2000	2000	2000	2000
Nutrient Content*				
Crude Protein (min) %	14.0	21.3	19.9	18.8
Lysine (min) %	0.6 to 0.7	1.1 to 1.3	1.0 to 1.2	1.0 to 1.2
Crude Fat (min) %	3.0	4.8	4.0	5.0
Crude Fiber (max) %	3.0	4.8	4.0	5.0
Calcium %	0.9 to 1.2	1.0 to 1.3	1.0 to 1.3	1.0 to 1.3
Phosphorus %	0.8	0.9	0.9	0.9
Salt %	0.3 to 0.5	0.4 to 0.6	0.3 to 0.5	0.3 to 0.5
Selenium (ppm)	.3	.3	.3	.3
Zinc (ppm)	188	195	195	194

#### Fun Fact:

*What staple food was provided to Washington's troops?*

*Salt pork from New Jersey was shipped behind British lines to Valley Forge to feed the hungry Continental Army in the winter of 1776-77.*



For additional information on raising swine...

we recommend the following websites which provide extensive information on all aspects of swine operations:

<http://extension.missouri.edu/xplor/agguides/ansci/swine.htm>

<http://www.extension.umn.edu/swine/>

<http://mark.asci.ncsu.edu/PIGPEN.HTM>