



# Breeding Herd & Preweaning

*Products & Programs*



**Provimi**

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## Managing the Breeding Herd

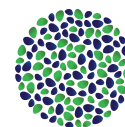
The breeding sow requires greater nutrient input if the genetic potential is to be realized throughout the sow's productive lifetime. Provimi consults with customers on management practices and a nutrition program that will contribute to optimizing healthy piglet production and sows returning to estrus to produce subsequent litters.

Highly prolific gilts and sows are vulnerable to extreme weight loss in lactation and potentially high replacement rates if not fed and managed properly. Sows need high milk production to support their litter.





# Provimi offers an Integrated Approach *for a successful breeding program.*



## Production Management

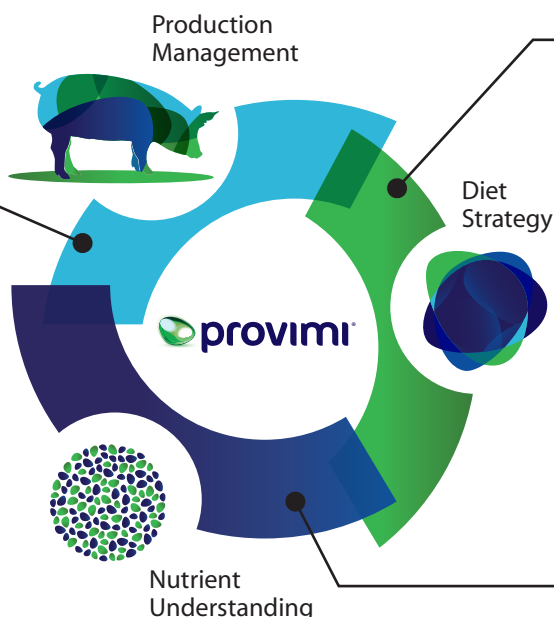
- Swine Technical Nutritionists work with customers to understand production, performance and nutritional needs of the pig with ingredient feed delivery variables.
- Sow Specialists analyze sow management practices and make recommendations to increase sow production
- Environmental Specialists perform audits and recommendations for facility management.
  - Enteligen™ is our mobile on-farm application that our specialists use to provide immediate recommendations for making environmental improvements.

## Diet Strategy

- Large team of leading industry nutritionists and specialists that offer timely recommendation in latest technology and additives
- Continuous feedback loop between customer and nutrition team to ensure up-to-date nutritional value

## Nutrient Understanding

- Largest industry database of ingredient samples to optimize formulation
- Cost effective approach with intimate understanding of the sow's nutrient requirements



## Production stages of the sow

### Gilt Development

It is important to properly develop the gilt if she is to sustain a long and productive life. To meet these criteria, proper vitamins, amino acids, energy, along with skeletal & reproductive mineral intake must be provided for development early in the pig's life.

### Gestation

Feeding programs during gestation should provide adequate nutrient levels for body maintenance, fetal development and continued growth. Nutrient reserves must be developed and replenished during gestation. Daily feeding rate should be monitored and adjusted based on individual sow body condition to meet target condition at farrowing. Properly conditioned sows will have improved productivity and increased longevity in the herd.

### Lactation

To ensure maximum milk production and minimize sow body weight loss, nutrient intake during lactation must match nutrient requirements and production demands. Lactation diet recommendations are based on production level (litter weight gain per day), daily feed intake, lactation length and weight losses and by implementing feeding and management strategies to enhance feed intake.

# Nutritional products for sow and boar

## Sow Premix

Our nutritionists work directly with individual customers to formulate appropriate vitamin and mineral inclusion levels taking into consideration variables that affect the sow's performance and daily intake.

### Features:

- Support high milk production
- Promote efficient rebreeding and longevity of the sow
- Traceability of ingredients and premix formulations offer quality assurance

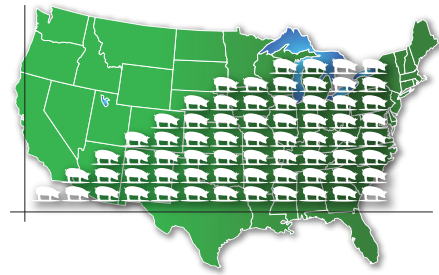
## Replacement Gilt Micro-Booster

Replacement Gilt Micro-Booster is designed for developing gilts, new start-up herds, multiplier herds and in other herds experiencing hoof and feet lesions.

Replacement Gilt Micro-Booster provides increased fortification of biotin, zinc and vitamin E to enhance the development of both young gilts and sows by aiding hoof integrity and health, in addition to supporting the overall immune status of animals.

### Features:

- Aids hoof integrity and health
- Supports overall immune system
- Proper amino acid, energy and mineral levels for necessary development



Provimi nutrition feeds more pigs in the United States than any other premix brand. We only recommend the best products for your breeding herd. We know how to optimize economics and performance.

## Farrow Pac Plus

Farrow Pac Plus is a combination of natural and chemical ingredients that provides a gentle laxative effect when needed for gilts and/or sows.

### Features:

- May be used just at farrowing time or continuously as needed
- Palatable and easy to use
- It may be added to the complete feed (10 to 20 lb per ton) or top-dressed (1 to 2 oz/hd./day) for individual treatment

## AA Boost

AA BOOST can help balance an animal's appropriate ratio between essential amino acids and protein. AA BOOST is incorporated into Provimi Grower-Finisher diet strategy and Provimi Breeding diet strategy and is designed for use in lactation diets in combination with formulated base mixes that already contain crystalline lysine.

Adding AA BOOST at 5lbs/ton to diets already containing L-Lysine will reduce the amount of soybean meal needed in the diet by approximately 115 lb/ton.

### Features:

- Can substantially reduce expensive soybean meal levels required
- Supplementing these synthetic amino acids can increase feed efficiency

Note: Do not exceed this level of amino acid supplementation.

# Sow HP-80 SP

Sow HP-80 SP is a base mix program designed to support the performance levels of today’s maternal genetic lines. It is formulated at a low 80 pound per ton inclusion rate for most diets and includes increased levels of Selenium Yeast and phytase enzymes.

## Features:

- Low 80 pound per ton inclusion rate for most diets which puts less dependence on expensive inorganic phosphorus to meet mineral requirements
- Increased levels of Selenium Yeast for improved body storage in the sow and increased selenium levels in the milk
- Increased levels of phytase enzymes which inexpensively enhances the poorly digested phytate form of phosphorus found in grains and soybean meal
- Contains supplemental levels of crystalline lysine to meet the amino acid requirements of productive females without unnecessary reliance on soybean meal

## Sow HP-80 SP - Mixing & Feeding Directions

Stage of Production	Gilt Developer*	Gestation**		Lactation		
Feed Intake, lb	---	---	---	10	11	12
Total Lysine, %	0.75	0.65	0.75	1.20	1.09	1.00
Corn, lb	1565	1680	1605	1210	1300	1375
SBM, lb (47.5%) a	330	240	315	645	565	500
Sow HP-80 SP, lb	65	80	80	80	80	80
Fat, lb***	35	---	---	65	55	45
Repl Gilt Micro Booster, lb	5	---	---	---	---	---
Total	2000	2000	2000	2000	2000	2000

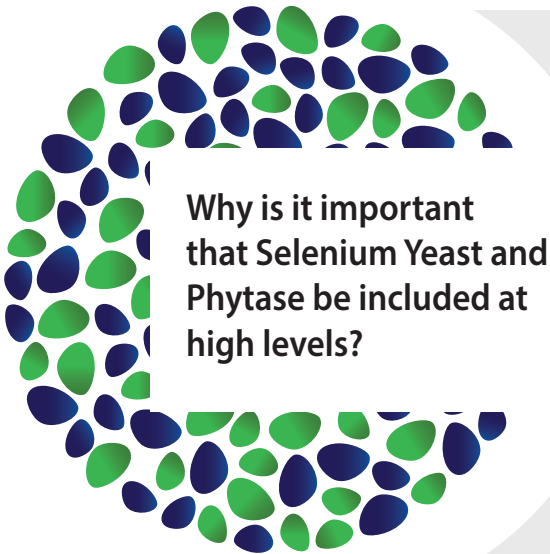
a = To mix diets using 46.5% SBM, multiply lb of 47.5% by 1.02 and adjust corn.

\* Gilt developer should be fed ad libitum from approximately 180 lb. body weight to breeding.

\*\* Daily feeding rates for sows and gilts during gestation will depend on achieving individual body condition targets. The 0.65% lysine diet should be used for most herds (stable body condition and minimal weight loss). Use the 0.75% lysine diet in cases of high weight loss herds or especially young herds with thin body condition problems.

\*\*\*If fat is not available, increase corn accordingly.

Soybean meal levels required in lactation diets may be reduced even further (approximately 115 lbs per ton) by the addition of 5 lbs per ton of AA Boost.



### Selenium Yeast

Selenium Yeast provides an organic form of selenium. This source of selenium, a trace mineral critical for reproductive and body functions, improves body storage in the sow and increases selenium levels in the milk. Provimi research confirms the value of this addition to breeding herd diets.

### Phytase

Phytase, an enzyme that enhances the poorly digested phytate form of phosphorus found in grains and soybean meal. Provimi has increased the level of phytase in this base mix to help offset the high cost of inorganic phosphorus sources (dical and monocal). The source of phytase used in **Sow HP-80 SP** is a high quality stabilized form that exhibits and maintains excellent enzyme activity and has improved shelf-life characteristics.

# Boar Plus

Boar Plus is a supplement product to a properly fortified gestation diet to meet the mature boar’s unique nutritional needs.

Research has demonstrated that maximum sperm productions is enhanced with high levels of protein, vitamin E, vitamin C, zinc, carnitine, and other nutrients.

Six ounces per day or 100 lbs per ton provides proper levels of these additional nutrients.

- Features:**
- Supports desired body condition, and semen volume and quality of boars for insemination
  - Supports health and lifetime longevity of the boar



# Nutritional products for preweaned piglets

Weaned pigs that start on feed sooner will have faster growth rates and are less likely to become a fall-back, cull or a light pig at market. The economic impact of easier, better starts of weaned pigs is significant in production systems.



## Nurse-ON

Nurse-ON is a high quality pig milk replacer designed for use in the farrowing room to supplement litters while still on the sow or provide complete nutrition to at risk or orphan pigs.

Provimi's Nurse-ON can boost overall litter weight gain. Nurse-ON closely simulates sow's milk for excellent pig performance, and is designed for ease of handling in automatic liquid dispensing systems.

### Features

- Greatly reduces preweaning mortality of at risk pigs
- Allows light birth weight pigs to grow faster than if they are left on the sow
- Reduces the need for inconvenient and expensive use of nurse sows

Note: Nurse-ON medicated milk replacer is ideal for orphan pigs raised in any environment where they can be kept warm, comfortable, and clean. Proper cleaning of milk feeding equipment is essential to prevent bacterial challenges, as milk is an ideal environment for bacterial growth.

# Creep Feeding

## Creep Feeding

The opportunity to benefit from an effective creep feeding program is greater when increasing weaning age and lactation length

Creep feeding also has been shown to improve post-weaned feed intake and gains during the first few days after weaning. This results in groups that are easier to start and can be moved quickly to less costly and less complex prestarter diets.



## Pig Creep

Pig Creep is formulated specifically for quicker and easier starts of weaned pigs and promotes gut health and overall economic impacts for lifetime performance and efficiency.

### Features:

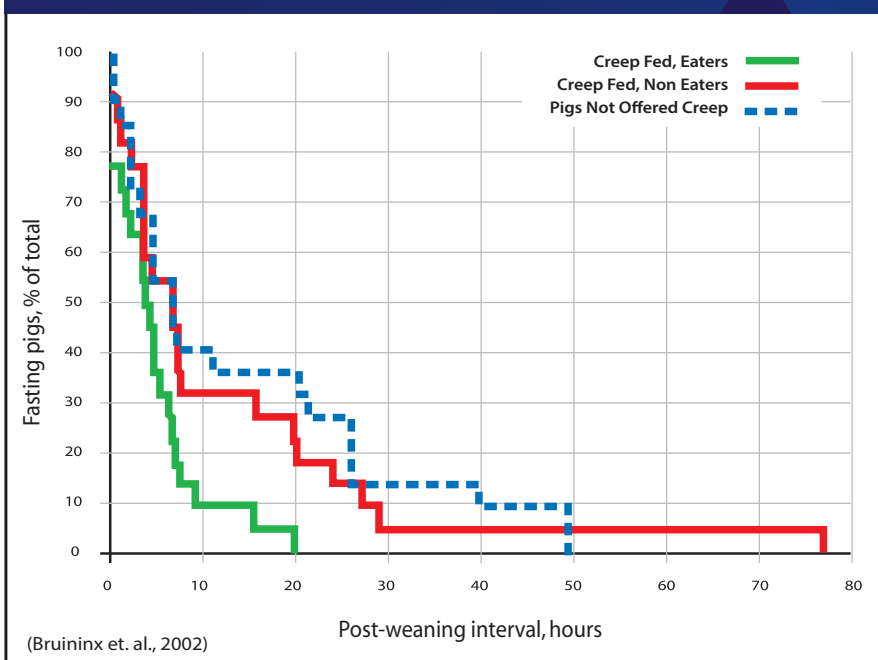
- Stimulates quick interest in solid feed and develops eating behavior
- Formulation includes steam rolled oats to promote gut health
- Conditions the gut for transition to post-weaning diets
- Designed to supplement rather than replace sow's milk, so cost is reduced compared to an early wean pellet
- Meal form reduces waste
- Highly palatable for consistent consumption



Pig Creep should be fed directly on the mat. If this is not possible, a wide shallow pan is recommended, to allow piglets easy access to the feed.

Pig Creep is manufactured in a meal form to prevent it from bouncing, rolling or easily being kicked off mats.

### Influence of eating creep feed on latency of feed intake immediately after weaning





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