



Specially formulated to meet the nutritional requirements of today's highly prolific breeding boars.

KEY INGREDIENTS

ORGANIC TRACE MINERALS

- Minerals are processed, making them easier to digest and absorb.

VITAMIN E

- Vitamin E plays a major role in protecting body tissues from harmful reactions that can be caused by normal metabolic processes or environmental toxins.
- Helps to increase libido and enhance semen quality.

BIOTIN

- Biotin maintains structural soundness and hoof quality.

The Challenge

The boar and sow contribute equally to the genetic advancements in swine herds, whether through carcass, growth or reproductive improvements. However, the boar represents only a small portion of the swine herd and thus, is often the most neglected.

Some surveys show as many as 59% of all herd boars are culled every year due to:

- being overweight 47%
- reproductive problems 18%
- structural/soundness problems 12%

This would suggest that one of the main causes of higher boar cull rates is improper feeding. Unfortunately, boars seldom make up large enough numbers in a herd to justify a separate ration. They are typically fed the dry sow ration at varying rates, based on body condition. However, the dry sow diet is too low in amino acids and the lactation diet is too high in energy, and neither

have the specific vitamin and trace mineral levels needed by boars.

Often the boar is overfed, resulting in excess body size or weight gain. This reduces the boar's breeding effectiveness and increases the probability of removal from the herd.

The Solution

boarSTART™ supplement is a concentrated nutritional package designed to meet the nutritional requirements of all working and non-working boars in the herd when fed along with a properly fortified dry sow ration.

In the competitive environment currently existing in the swine industry, it is no longer economically feasible to allow the most expensive animal in the herd – the primary means of making genetic progress – to be neglected nutritionally.

Energy and Feed Requirements of the Breeding Boar

Body weight (kg)	100	150	200	250	300	350
Growth rate (g/d)	500	400	300	200	100	0
Energy (kcal ME/d)	6,700	7,400	8,100	8,600	9,100	9,500
Feed intake (kg/d)*	2.25	2.45	2.70	2.90	3.05	3.20

*Based on a diet containing 3000 kcal ME/kg. Source: Close, W.H. and Cole, D.J.A. 2004. Nutrition and management strategies to optimize performance of the modern sow and boar. Proceedings of the 2004 Manitoba Swine Seminar – Sharing Ideas and Information for Efficient Pork Production.



POTENTIAL BENEFITS

IMPROVED NUTRITION FOR BOARS

Reduces culling due to overweight boars. Optimizes fertility.

IMPROVED AMINO ACID PROFILE

Helps to increase semen production and improve sperm quality and libido.

ENHANCED MINERAL NUTRITION

Works to help improve sperm viability and conception rates.

CONTAINS VITAMIN C

Can increase sperm number per ejaculate. Increases sperm count during heat stress, improves conception rates and enhances semen quality.

ADDED ZINC

Critical for sperm development. Can also help with immune response mechanisms.

INCREASED FOLIC ACID LEVELS

May improve sperm development and enhance sperm viability.

PROVIDES HIGHER PROTEIN LEVELS

Helps maintain the boar's increased lean muscle mass.

FEEDING DIRECTIONS

Topdress boarSTART supplement at the rate of 180 grams (1 g = 0.035 oz) per head per day to working boars and 90 grams to non-working boars, along with a properly fortified dry sow ration or mix in complete dry sow ration at the rate of 40 to 50 kg per tonne (1 kg = 2.205 lb, 1 tonne = 1.102 ton).

STORAGE

Keep bags closed. Store in cool, dry area for maximum stability. Avoid leaving bag open for extended periods of time.

Distributed by



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**BOAR
SUPPLEMENT**

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RESEARCH-PROVEN PRODUCTS – EACH ONE
TARGETED TO PROVIDE A SPECIFIC SOLUTION.**