nutritional solutions

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sow heat balance

sow heat balance is an innovative product which has been specifically formulated to enhance the ability of high performing, hyper-prolific sows to cope with heat stress and its consequences.

Literature and pig farming handbooks indicate that sows are exposed to heat stress when the temperature exceeds 20-22°C (upper critical temperature of a sow's thermo-neutral zone).

Heat stress causes a drop in feed intake, especially during lactation.
The loss of extra body weight, due to lower feed intake, can negatively affect:
- Pig weaning weights
- Days to estrus after weaning (heat stress decreases the expression of estrus behavior)
- Farrowing rate (heat stress alters the way ovarian follicles develop)
- Subsequent litter size (heat stress compromises oocyte competence and inhibits embryonic development).

A consequence of low feed intake during lactation is that the release of LH hormone during weaning will be slower, resulting in an extended interval between weaning and estrus.

Diet has great influence on the reproductive performance of the sow and plays a direct role when dealing with heat stress.

The release of LH hormone is stimulated by:
- High feed intake in previous pregnancy
- Higher feed intake during lactation
- High amino acids intake during lactation
- High starch levels in lactation feed

These diet factors, therefore, have a positive effect on both wean to estrus interval and litter size, where the total feed intake during lactation has the greater effect.

sow heat balance

sow heat balance is rich in:

Natural bioactive compounds
Available in plant parts, acting in synergy inducing beneficial physiological functions by enhancing adaptive cyto-protection and anti-inflammatory capacity

Vitamin E
1. Precursor of immunoglobulins ➡ supports immune system
2. Can prevent the oxidation of unsaturated fatty acids (it is common practice to increase the energy content of a sow's diet by the addition of fats and/or oils)
3. Can improve the removal of free radicals

Vitamin C
1. Water-soluble antioxidant that plays an important role in the reduction of oxidation processes in living cells
2. Essential for the maintenance of collagen metabolism

Betaine
1. Improves utilization of dietary energy
2. Acts as a methyl donor
3. Is osmoprotectant ➡ maintains cell water balance, helps prevent cellular dehydration, increases the osmotic strength of the cell ➡ improves digestibility
4. Is a lipotrope: enhances lipid mobilisation and utilisation.

sow heat balance is also rich in all essential minerals like Calcium, Sodium, Potassium, Chlorine and Magnesium which naturally occur in body fluids and tissues as electrolytes involved with the maintenance of osmotic pressure and the acid-base balance.

Inclusion Recommendation: 5 kg / ton of feed

Packaging: Available in 25 kg bags

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