EVEN IN CHALLENGING CONDITIONS...

... PERFORMANCE WILL BE SUPPORTED
**SELISSEO® HELPS SWINE FIGHT OXIDATIVE STRESS**

Pigs face many kinds of stress during their life: nutritional, environmental, sanitary, technological...

These negatively impact performance which costs money. Selisseo® alleviates the effects stress has on the animals.

**SELISSEO®, THE INNOVATIVE ANTIOXIDANT**

Selisseo® contains 100% hydroxy-selenomethionine, a pure and highly available form of organic selenium.

**MEAT QUALITY**

- Selisseo® promotes a higher Se deposition in the tissues, which results in a Se rich meat, with better nutritional properties for humans.
- Organic Se has also proven to reduce drip loss.

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All the results reported in this document are extracted from trials where Selisseo® was compared to another source of selenium. They should be considered as examples demonstrating the effect of Selisseo®.

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**FERTILITY**

- Improve sow fertility through optimal ovulation, better feed intake and implantation.
- Improve boar fertility through improved semen quality.

Ref: Selenium in sow nutrition, Animal.
THE ANTIOXIDANT FUNCTION OF SELENIUM

At a cellular level, stress translates into an increased production of oxidative species, upsetting the balance between prooxidants and antioxidants and damaging cell structures.

**Selenium, a key player in antioxidant defenses:**
Selenium is present in 2 amino acids: the storage form selenomethionine (SeMet) replaces regular methionine in proteins; the active form selenocysteine (SeCys) is found only in the catalytic site of several proteins called selenoproteins. Several of these selenoproteins are antioxidant enzymes.

**Selisseo® promotes the functional form of selenium, SeCys,** present in selenoproteins that maintain the oxidative balance in spite of external stresses.

Se forms in broiler breast muscle at D7 (mg eq Se/kg DM)\(^{(5)}\)

![Graph showing SeMet and SeCys levels in selected products.]

**Selisseo® is the most efficient organic Se source** in inducing both higher Se deposition and higher SeCys content, thus providing animals with high antioxidant capacities.
**LET’S USE SELISSEO® IN YOUR FEED!**
**IT’S RELIABLE, STABLE, SAFE AND EASY TO USE!**

**Selisseo® provides 100% active OH-SeMet batch after batch**

**Selisseo’s consistent particle size** without fines make for safe and easy mixing into the feed, with low dust.

**Selisseo® can withstand extreme feed processing conditions** including high temperatures and pressures

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**DESCRIPTION** | **Selisseo® 2% Se** | **Selisseo® 0.1% Se**
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Composition | Active substance: Hydroxy-selenomethionine (OH-SeMet) Chemical formula: CH₃-Se-(CH₂)₇-CH(OH)-COOH |  |
Carrier | Silica | Silica, Limestone fine |
Appearance | Powder | Powder |
Color | White to light beige | White to light beige |
Selenium Content | Min 2% | Min 0.1% |
HMSeBA | Min 5% | Min 0.25% |
Recommendations for Use | 10-15 g/MT of feed* | 200-300 g/MT of feed* |
Packaging | 20 kg carton (400 kg/pallet) | 25 kg bag (1000 kg/pallet) |

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* Vary per regulation and country