



Selisseo®

PURE HYDROXY-SELENOMETHIONINE WITHOUT COMPROMISE

HELPING DAIRY COWS REACH THEIR FULL POTENTIAL

Selisseo® helps fighting oxidative stress

It is the only hydroxy-selenomethionine on the market that is able to fully deliver the benefits of organic selenium to obtain an enhanced stress resistance and immunity, optimal growth, a better reproduction performance and a higher quality of the end products.

- ✓ **Pure:** 100% Hydroxy-selenomethionine (OH-SeMet)
- ✓ **Reliable:** The same quantity of OH-SeMet in every batch
- ✓ **Bio-available:** OH-SeMet is highly bioavailable meaning that it is absorbed by the animal and used for selenoprotein synthesis or as a safe storage form
- ✓ **Proven:** Many scientific papers and field trials



www.adisseo.com



ADISSEO
A Bluestar Company

How it works ...



With Selisseo®: Performance will be sustained in all difficult conditions... Sleep easily.

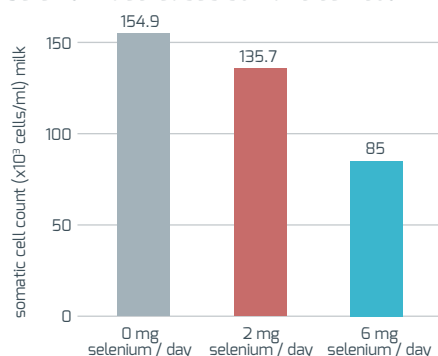
Selenium (Se) is a key player in antioxidant defense. Selisseo® results in a high concentration of Se in tissues in the form of hydroxy-selenomethionine, helping limit oxidative stress and selenium deficiency and allowing animals to express their optimum performance potential.

Securing milk quality

BY LIMITING somatic cell count

The total economic losses due to somatic cell count (SCC) and mastitis (subclinical and clinical) are estimated between €65 and €180/cow per year depending on the bulk tank somatic cell count (Huijps, 2008). There is a direct correlation between herd mean plasma Se and the level of SCC in the tank.

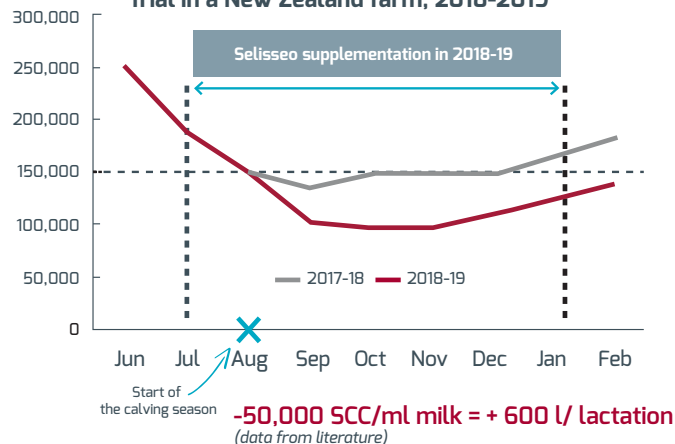
Selenium decreases somatic cell count in milk



Graeme McIntosh & Peter Royle, 2002

Field trials under different rearing condition showed a reduction of SCC by 10-40% (-50 000 SCC/ ml). The Selisseo® supplementation helped the farmers to reduce the SCC below the 150,000 threshold to qualify for an extra bonus.

Trial in a New Zealand farm, 2018-2019



Field trial in Egypt showed a reduction of *Staphylococcus aureus* from 10000 to 250. Somatic cell count of milk increases when immune cells are released into the milk to fight against pathogenic bacteria like *Staphylococcus Aureus*, which causes mastitis.

Selenium protects the udder and limits the number of somatic cells in milk by increasing the level of Se in plasma. The SCC is a good indicator of the health status of udders. Less SCC and bacterial count in milk is an economical gain for the farmer (less MASTITIS) and better for cheese production and gives a longer shelf life for bottled milk.

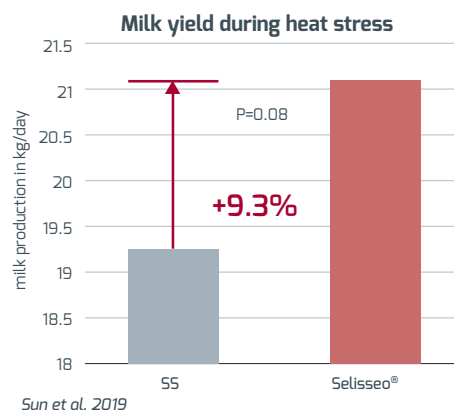
BY IMPROVING the antioxidant status

Selisseo® maintains a good health status of dairy cow:

- better antioxidant status: higher GPx* activity (+46%)
- less of a milk yield drop under heat stress (+9.3% vs SS)
- improved dairy cow Se status: Se deposition in both the plasma (+125% vs SS) and milk (+23% vs SS)

*GPx: Glutathione peroxidase
SS: sodium selenite

Selenium is a key player in antioxidant defense. Selisseo® induces a high incorporation of Se in tissues in the form of seleno-methionine, limiting oxidative stresses (heat stress) and allowing animals to express their optimum performance potential. In the end, it is an economical gain for the farmer and the animal is in better shape.



Sun et al, 2019

APPLICATION Recommendation

0.2mg Se/kg of dry matter/day

