



## Selisseo® Stands Up in On-Farm Demonstration

**Selisseo, Adisseo's new organic selenium product was fed for a 6-month demonstration period at a large dairy operation in the Upper Midwest. Selisseo is a FDA approved, highly pure source of Hydroxy-Selenomethionine.**

Prior to feeding Selisseo, ration supplemental Se consisted of a 50:50 blend of Na-Selenite and Se-yeast at 0.2 ppm diet dry matter (table 1). Supplemental Se supplied during the demonstration was switched completely to Selisseo (0.2ppm supplemental selenium from Selisseo).

**Table 1. Dietary Selenium concentrations prior to and during Selisseo supplementation**

Diet	Se level, ppm diet dry matter
Fresh Cow	0.23
High Production	0.23
Late Lactation	0.20
Dry Cow/Springer	0.23
PreFresh	0.30



Health events from DC305 were compared between the 1st 6 months of 2023 vs. the 1st 6 months of 2024 to see if there were any different trends in these indices with Selisseo feeding (table 2).

Table 2. DC 305 health events comparison: Se-Yeast/Selenite (2023) vs. Selisseo (2024)

Event	% of Freshenings, 2023	% of Freshenings, 2024	% Point Change
Died	3.1	2.6	-0.5
DA	1.0	0.5	-0.5
Ketosis	2.3	0.6	-1.7
Metritis	4.4	5.9	1.5
Milk Fever	5.2	2.7	-2.5
Pneumonia	10.5	10.1	-0.4
Retained Placenta	4.1	4.7	0.6

- Indicates reduction in the incidence of health events when Selisseo was fed
- Indicates increase in the incidence of health events when Selisseo was fed

The data is expressed as health events as a percentage of freshening's for the time period. Health events shaded in light gray indicate a reduction in the incidence of those health events when Selisseo was fed. Health events shaded in dark gray indicate an increase in the incidence of those health events when Selisseo was fed. In general, feeding Selisseo was associated with fewer health problems. **Additionally, bulk tank SCC was approximately 60,000 lower when Selisseo was fed compared to the previous feeding regime.** Because there was no control treatment, the data is not definitive, but directionally the results are what we would expect with this level of supplementation and switching from some organic selenium to all organic selenium from Selisseo.

Selisseo has been shown to have superior bioavailability, purity and consistency to other forms of organic selenium in peer-reviewed research and this on-farm demonstration adds to that growing evidence for superior performance in dairy cattle.



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