

SiloSolve® MC

INOCULANT FOR SUPERIOR FERMENTATION AND MICROBIAL CONTROL

About SiloSolve® MC

SILOSOLVE® MC has consistently proven its durability especially when ensiling wet crops or crops of higher buffer capacity, like alfalfa and fresh grass/legumes mix. SILOSOLVE® MC promotes fast, controlled fermentation and ensures that *clostridia* activity is limited. As a result, nutrients are preserved and available for your cows.

Clostridia grows in wet silage when there is a lack of sugars and high levels of ash. Growth of *Clostridia* leads to breakdown of protein and production of butyric acid. Butyric acid may lead to poor feed out performance and may negatively impact health when fed to high producing dairy cows.

- ✓ Reduces *Clostridial* fermentation
- ✓ Improves dry matter recovery
- ✓ Reduces protein degradation and ammonia

SILOSOLVE® MC is designed for use on forages that are more difficult to ensile, such as...

Under 23% dry matter

High nitrogen

Low sugar

High buffering capacity

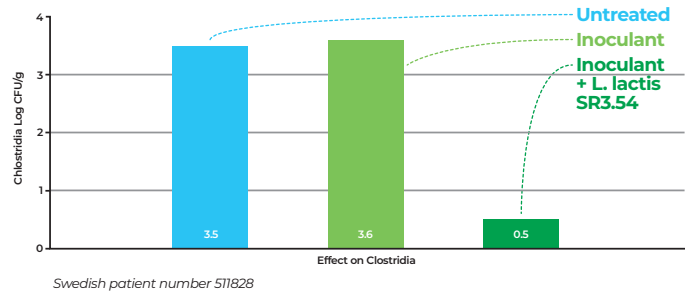
Slurry or soil contamination



SILOSOLVE® MC reduces *Clostridial* fermentation

In a number of research trials, *Lactococcus lactis* SR3.54 has been shown to significantly reduce growth of *Clostridia* (Figure 1). The reduction of *Clostridia* is expected to positively affect silage quality by reducing the production of butyric acid.

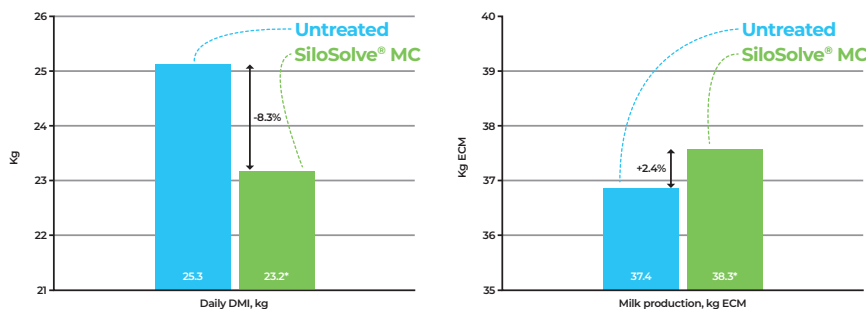
Figure 1: SiloSolve® MC treated alfalfa silage increases milk production



SILOSOLVE® MC improves fermentation leading to increased milk production

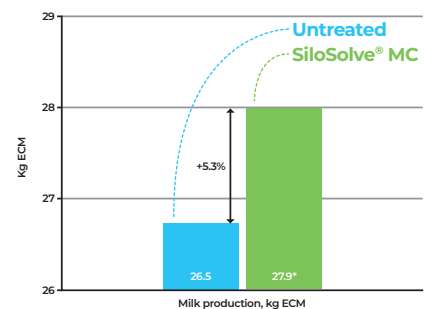
SILOSOLVE® MC consistently improves fermentation which leads to a significant increase in milk production. Cows fed SILOSOLVE® MC treated maize silage had increased efficiency of milk production through an 8% reduction in dry matter intake and a 2% increase in energy corrected milk yield. A similar response was observed in cows fed SILOSOLVE® MC treated alfalfa.

Figure 2: SiloSolve® MC improves maize silage feed efficiency and milk production



*p<0.05 significantly different from untreated.

Figure 3: SiloSolve® MC treated alfalfa silage increases milk production



*p<0.05 significantly different from untreated.

WHAT'S INSIDE SILOSOLVE® MC?

SILOSOLVE® MC is a silage additive containing three highly-selected strains of lactic acid bacteria. One strain (*L. lactis* SR3.54) is patented for its ability to reduce undesirable microbial fermentation, especially *Clostridia*. The other two direct and control overall fermentation.

Targeted crops include those that are ensiled at low dry matter concentrations or at high moisture where the risk of *Clostridial* fermentation is high.

APPLICATION DETAILS

- One 200g sachet treats 100 tonnes of forage during harvest/chopping.
- Diluted as per the silage additive application kit use.
- Suitable for Ultra Low Volume applicators.
- Bacteria dissolved in water must be used within 48 hours, but preferably 24 hours.