



For accurate and even dosing of **NordSil** silage additive, we recommend the applicator **StarDos** which provides the best overview of current and daily additive usage.

- The **StarDos** applicator has been developed according to the farmers needs
- The device is compact
- The **StarDos** applicator is equipped with an accurate electronic flowmeter
- A reliable pump is used
- The rate of flow is comfortably adjusted directly from the cabin
- The current fluid consumption in litres per minute and the daily consumption in litres are shown on a digital display
- A comfortable Pick-up system automatically stops dosing when the header is raised and resumes when the header is lowered



THE STARDOS DOSING TECHNIQUE CAN BE USED WITH DIFFERENT SILAGE HARVESTERS:

FORAGE WAGONS, BALERS, SELF-PROPELLED HARVESTERS

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Distributor:



The basis of successful dairy farming these days is to produce high quality basic feed – silage. The best way to produce high quality silage is to use silage additive **NordSil**. This additive contains lactic acid bacteria *Lactobacillus Plantarum* E-98 NCIMB 30236. The bacterium was isolated on Southern Estonian grasslands. Proper fermentation of silage is achieved by using lactic acid produced by the bacteria.

The bacteria used in **NordSil** are unique compared to other strains of *Lactobacillus plantarum*, it have effect on a wider pH and temperature range. It is effective in both low and high dry matter silages. These strain-specific characteristics ensure that the bacteria are active throughout the entire fermentation process, thus eliminating the need of using other „helpful“ strains.

STARTER ST LLC has manufactured and marketed **silage additives** since 1990. The company has continuously taken part in research and development to improve the quality of ensiling. **NordSil** has confirmation from European commission according to regulation No1831/2003. EFSA (European Food Safety Authority) opinion concluded on 14 June 2011 that *Lactobacillus plantarum* (NCIMB 30236), under the proposed conditions of use, does not have an adverse effect on animal health, human health or the environment, and that this preparation has the potential to improve the production of silage from all forages by reducing the pH and increasing the preservation of dry matter and protein.

NordSil controls the silage fermentation process

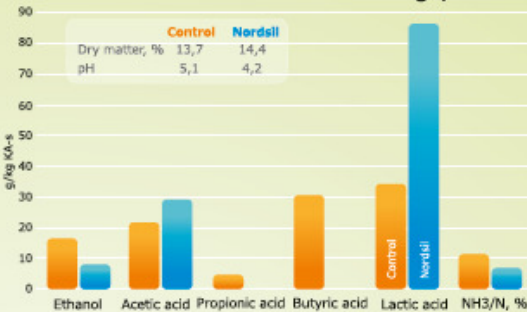
Test results have shown that 24 hours after ensiling:

- There were several times more lactic acid bacteria in the **NordSil** treated silage than in the control silage.
- Most of the lactic acid bacteria in the silage were E-98 NCIMB 30236 and added with **NordSil**.
- Complete domination of the lactic acid bacteria inhibits the vital activity of clostridiums and butyric fermentation.

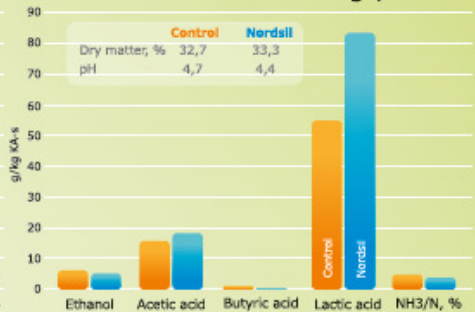
This results in a much faster drop of pH during the first days of silage fermentation.

NordSil ensiling improving effect was tested on both grass and lequmes and both wilted and unwilted silage.

Test with material difficult to ensilage, 2010



Test with second cut balesilage, 2010



Result:

- Improvement of silage fermentation
- Increased cattle feed intake
- Improved digestibility increases feed conversion efficiency

Application:

The best dosing results can be achieved with the **StarDos** applicator. Add lukewarm water to a smaller vessel, dissolve the powder and pour the prepared mixture in the amount of water chosen for dosing. Always follow the information on the package. It is recommended to add 0.5 to 2 litres of diluted mixture to 1 ton of forage. The prepared mixture should be used in 24 hours.

Reminder: Silage additives do not replace a properly controlled production process when producing silage.

NordSil = More milk and increased income with the same amount of silage

One and only

Suitable for grass and legumes in various DM contents

Reliable quality

Produced with the latest technology in an EU acknowledged factory

Suitable for all

Suitable for dairy and beef cattle

Why NordSil

Universal

Suitable for any silage harvester

Comfortable package

Convenient small package

NordSil

For healthy and productive cows.
GMO free and suitable for organic use.

