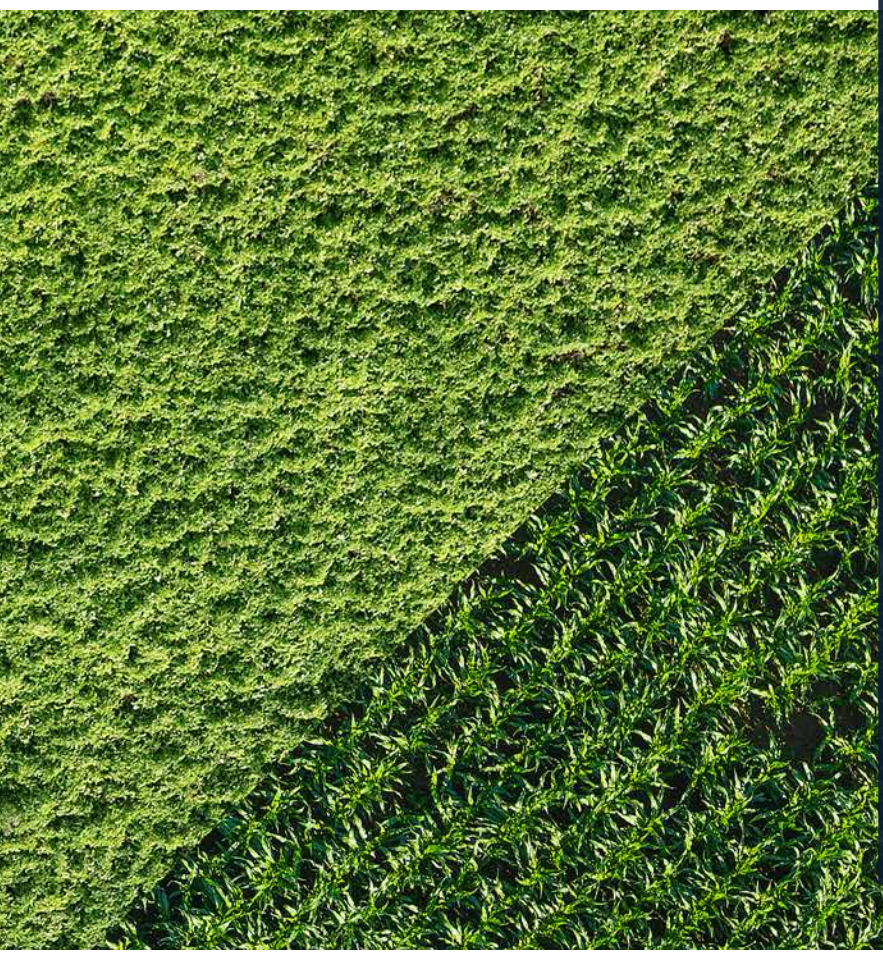
CHR. HANSEN

Improving food & health

SiloSolve® FC EKO



Bacterial inoculant for improved fermentation and aerobic stability of silage

SILOSOLVE® FC EKO is a science-based, research-proven bacterial inoculant formulated for all crops:

- **Establishes an anaerobic environment rapidly and prevents spoilage**
- **Improves aerobic stability and dry matter recovery**
- **Attains excellent fermentation and aerobic stability – even at 7 days of ensiling**

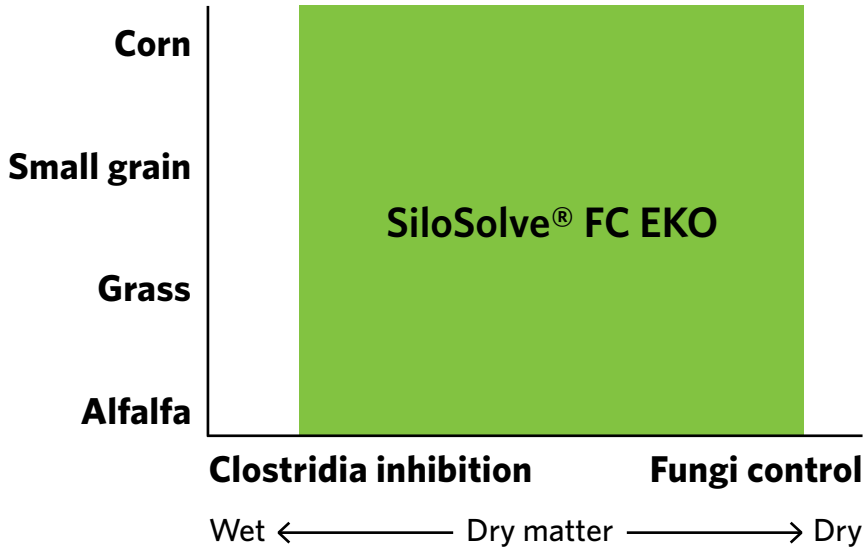
Easy to ensile
High sugar/ Low protein

↑

Crop characteristics

↓

Difficult to ensile
Low sugar/ High protein



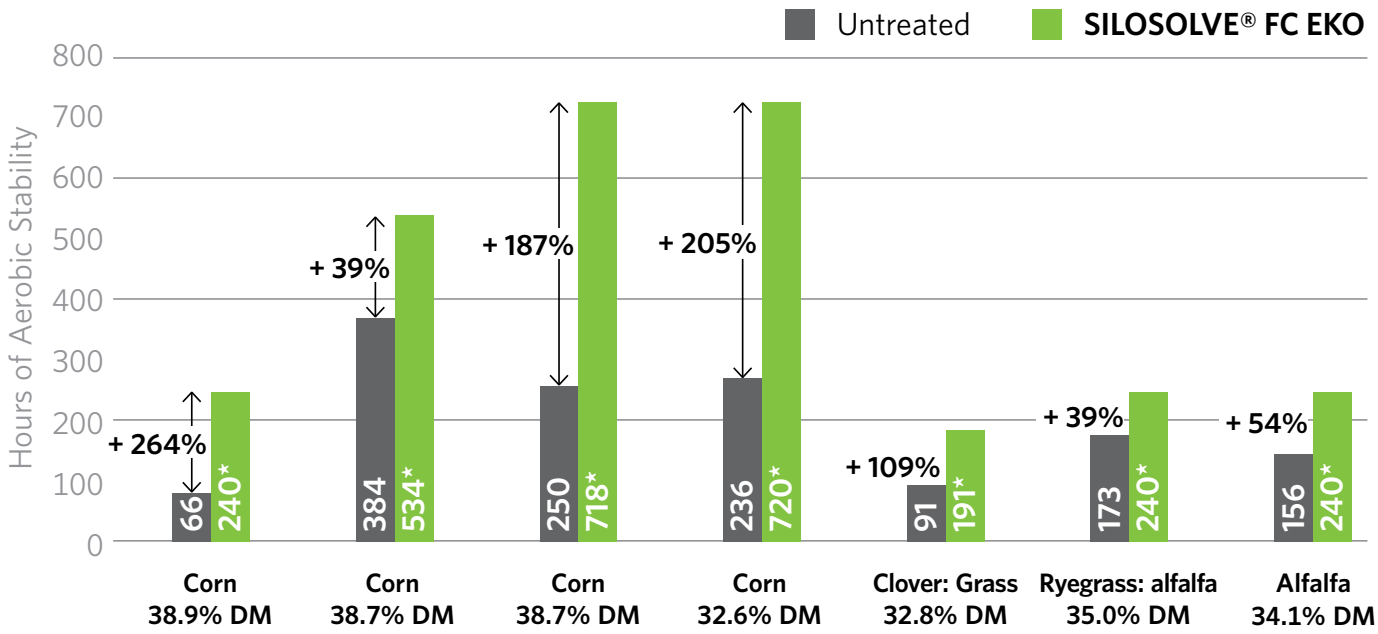
The solution to silage challenges

SILOSOLVE® FC EKO has consistently yielded silage preferred by dairy cows. **SILOSOLVE® FC EKO** promotes rapid, controlled fermentation and ensures that dry matter and nutrients from the field are preserved and available for your cows.

SiloSolve® FC improves aerobic stability while improving dry matter recovery

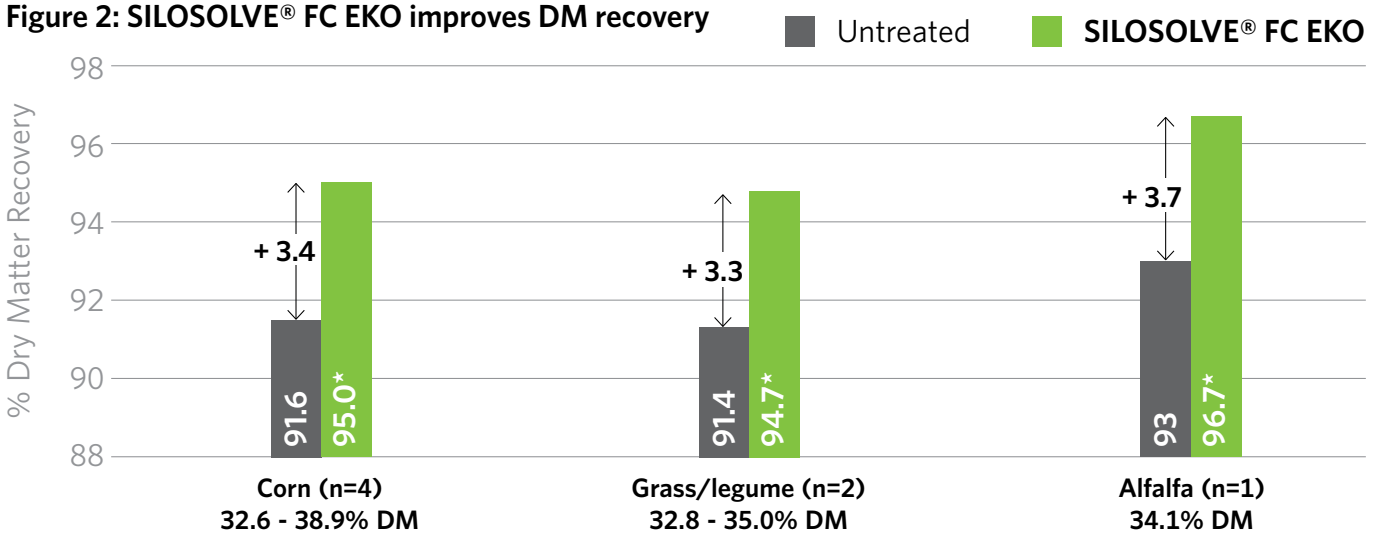
SILOSOLVE® FC EKO is a unique, dual-action inoculant that improves aerobic stability and at the same time improves dry matter recovery over a broad range of dry matter and forages. While **SILOSOLVE® FC EKO** increased aerobic stability up to 30 days in university trials, dry matter recovery across crops was improved an average of 3.5% points compared to untreated silages.

Figure 1: SILOSOLVE® FC EKO improves aerobic stability 218 hours (9 days) in 7 trials



**P*<0.05 significantly different from untreated. Aerobic stability test stopped after 10 or 30 days.

Figure 2: SILOSOLVE® FC EKO improves DM recovery

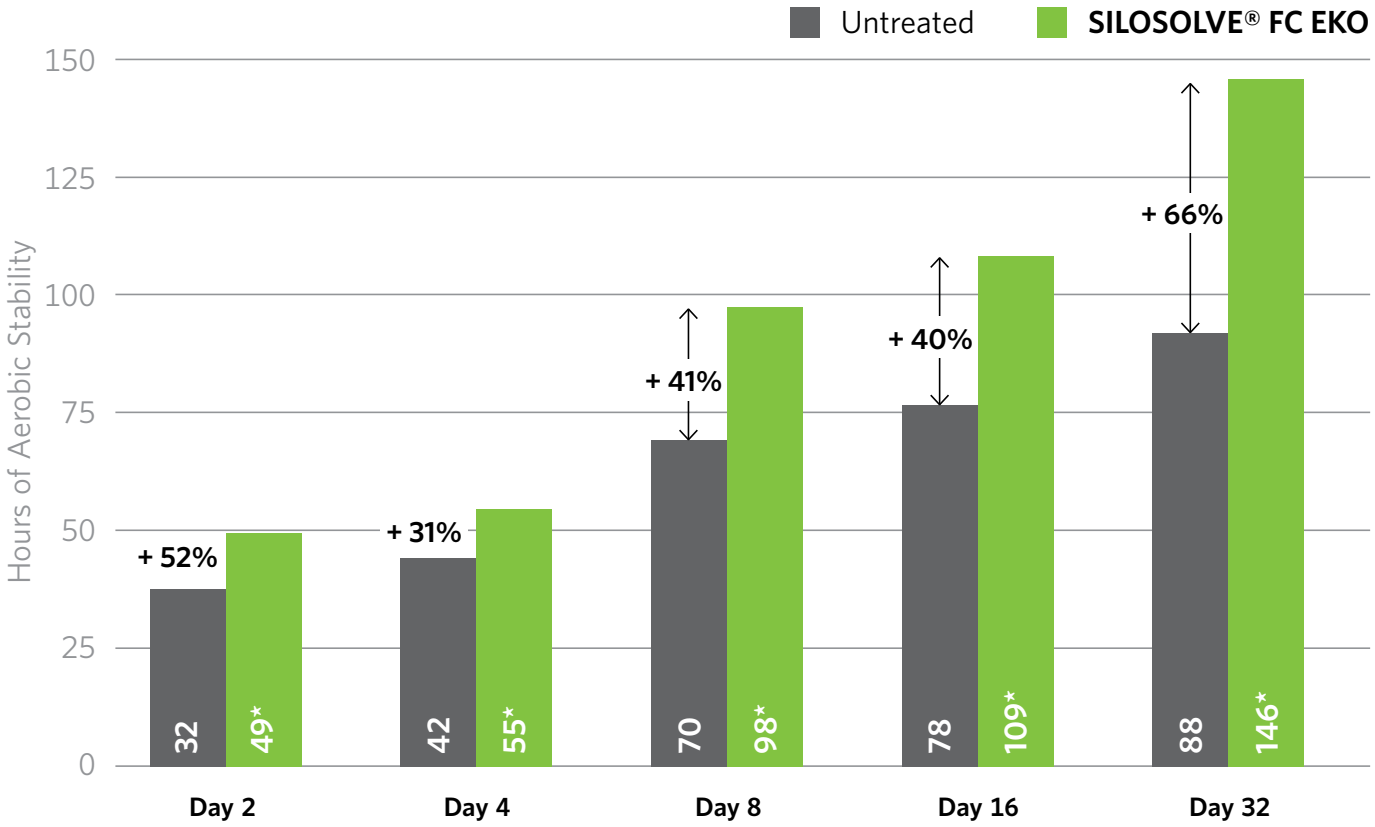


**P*<0.05 significantly different from untreated.

SILOSOLVE® FC EKO improves stability – even at early feed out

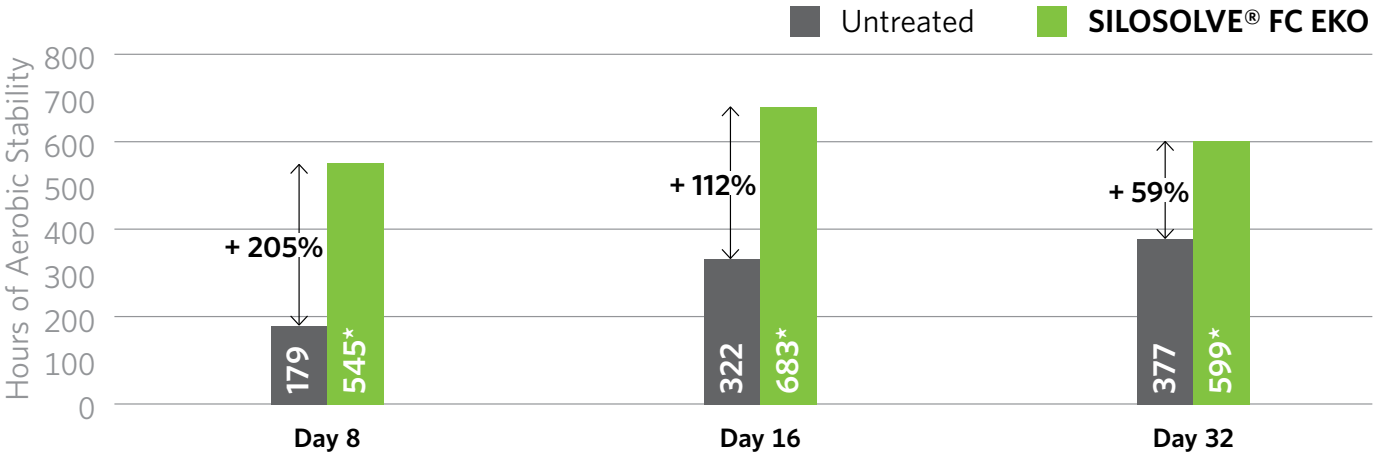
Review of the literature indicates that *L. buchneri* normally produces acetic acid after 56 days of ensiling. With **SILOSOLVE® FC EKO**, acetic acid production has been observed on Day 2 of ensiling corn silage and as a result improved aerobic stability even after a short fermentation time. In alfalfa silage aerobic stability was improved by 13 days.

Figure 3: SILOSOLVE® FC EKO improves aerobic stability at early feed out in corn (34.4% DM)



*$P<0.05$ significantly different from untreated. Aerobic stability test stopped after 7 days.

Figure 4: SILOSOLVE® FC EKO improves aerobic stability 125% at early feed out in alfalfa silage (34.1% DM)



*$P<0.05$ significantly different from untreated. Aerobic stability test stopped after 30 days.

Specific trial data available upon request.

Strains matter

Chr. Hansen has diligently selected and combined the strains in **SILOSOLVE® FC EKO**. Scan the QR code and learn about the amazing difference **SILOSOLVE® FC EKO** makes in mold and yeast count.

What's inside SILOSOLVE® FC EKO

SILOSOLVE® FC EKO contains our proprietary strain of *Lactobacillus buchneri* LB1819, plus our unique strain of *Lactococcus lactis* O224. This novel combination facilitates rapid establishment of anaerobic conditions and improves fermentation to inhibit yeast and mold growth, resulting in improved aerobic stability at feed out – even as early as 7 days of fermentation.

Targeted crops for **SILOSOLVE® FC EKO** include corn silage, small grain, grasses and alfalfa/grass mixtures. **SILOSOLVE® FC EKO** is particularly effective when there is a risk for fungal growth and across a broad range of moistures.

Package:
• 200 g canister treats 100 tons of fresh forage. One box contains 12 x 200g canisters.

Form: Powder
Solubility: Water soluble
Shelf life: 24 months when stored in the freezer - 0.4° F (- 18 ° C), 12 months when stored cool 39.2° F (+ 4 °C), 3 months when stored at room temperature < 68° F (< 20 °C).

Application: Contents of one 200 g canister treats 100 tons of fresh forage. Mix silage inoculant into amount of water appropriate for your applicator. Apply solution evenly over forage as it is harvested or ensiled. When used as directed, 2 grams of **SILOSOLVE® FC EKO** inoculates 1 ton of fresh forage at a rate of 150,000 cfu/g of fresh forage.

Content:
•*Lactococcus lactis O224*
•*Lactobacillus buchneri LB1819*

TO LEARN MORE CALL US AT 888-289-2218 OR LOG ON TO WWW.CHR-HANSEN.COM/ANIMAL-HEALTH

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