

Josera.
we care, you grow

Josilac® grass

Biological silage inoculant

The specialist for green forage: pasture grass, field grass, and legumes

TURBO EFFECT

Premix with biological silage inoculants

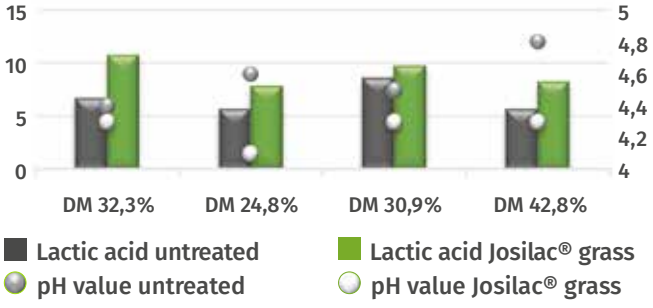
Product features:

- **Smart combination** of different homofermentative bacterial strains
- **DLG-tested** (1b, 4a, 4b, 4c milk)
- Application range (DM 25 - 40%)
- **TURBO**-Effect
  immediate performance through rapid and strong acidification of the silage material

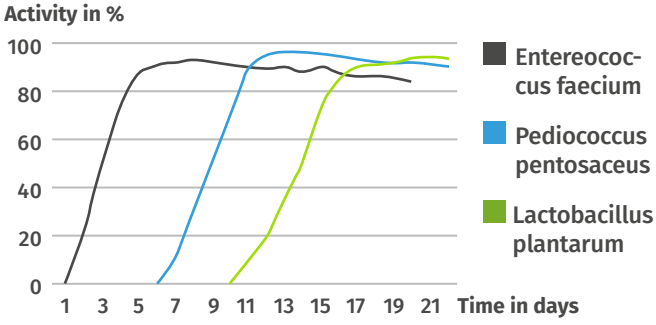
Advantages of Josilac® grass:

- **Greater nutrient density** due to low-loss conversion of sugar into fermentation acids
- **Low fermentation losses due** to controlled and rapid fermentation process
- **Promotes feed intake** through improved silage quality
- **High protein preservation** due to reduced protein degradation
- Unlocks **greater milk yield potential from the base forage**

PH value and lactic acid content in grass silage [%]



Effective spectrum Josilac® grass



The **gradual, rapid production of large amounts of lactic acid** results in a significant reduction of the pH value. A long-lasting preservative effect is the result.

Undesirable **silage microorganisms (e.g., clostridia, listeria, and enterobacteria)** are **effectively inhibited,** thereby **preventing butyric acid fermentation** and the associated deterioration of silage quality.

Josilac® grass

Premix with biological silage inoculants

Main application area					
Grass	Clover grass	Legumes	Whole-crop silage	Silage maize	ULV
●●●	●●	●●			✔



Composition:

homofermentative lactic acid bacteria

Innoculation density:

300,000 CFU lactic acid bacteria / g ensiled material

Dosage:

3 g **Josilac® grass** per t of silage,
the 150 g envelope is sufficient for 50 t
of ensiled material

Direction for use:

Josilac® grass is dissolved in at least 0.5 l of non-chlorinated water with vigorous stirring or shaking and then diluted with 0.2-2.0 l/t of silage material (alternatively ULV 25-100 ml) before being evenly applied to the harvested crop (dosing equipment is available in our product range).
The degree of dilution depends on the harvesting method, harvest volume per hour, and nozzle output.
For micro-dosing, **Josilac® grass** is applied in liquid form at 50-100 ml/t of silage material.
Recommended water temperature: 18-30 °C.
The application solution is ready for immediate use and should be consumed within 48 hours.
Recommended dry matter range: 25-40% DM.

Note: The silo should remain sealed for at least 6-8 weeks.

**You have questions about Josilac® grass?
Then feel free to contact us!**

Envolope sizes:

150 g

Storage and minimum shelf-life in closed original packaging:

24 months from production date (see imprint) if stored in a cool and dry place.
Protect from light and sun light.
Optimal storage conditions are in the refrigerator or freezer.

Mode of action:

The homofermentative lactic acid bacteria lower the pH value of the ensiled material very quickly and effectively. Shortly after the application of the silage inoculant, the *Enterococcus faecium* bacteria become active and initiate the start phase of the fermentation process. Subsequently, the *Pediococcus pentosaceus* unfold their effect and further acidify the ensiled material. Finally, the *Lactobacillus plantarum* strains produce their lactic acid in an already lowered pH environment.
This staggered fermentation phase results in a long activity period. Faulty fermentation is thus efficiently avoided and the quality of the silage produced is assured at a very high level.

Compliance with good agricultural practice is a prerequisite for the successful use of the silage inoculant.

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Josilac®
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