

Josilac® extra

Silage Inoculant

The specialist for high dry matter silages

SAFETY EFFECT

Premix of biological silage additives

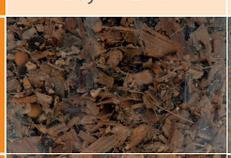
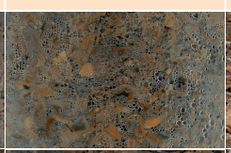
Product features:

- **Heterofermentative bacteria strains**
- Can be used for easily ensilable feedstuffs **with a very high DM content of up to 65 %**
- Permitted for the use in **organic farming**
- **SAFETY**-Effect
  Protection against aerobic spoilage and mould formation during silage feed-out

Advantages of Josilac® extra:

- **Exclusive combination of two heterofermentative bacteria strains**
- **Fresh, cool forage due to protection against reheating**
- **Reduced DM losses** due to high aerobic stability
- Particularly suitable for **difficult ensiling conditions**
  - *High levels of yeasts and moulds*
  - *Very dry ensiling materials*

Comparison of maize silage: Untreated vs. Treated with Josilac® extra

Duration	Day 1 = 24 h	Day 2 = 48 h	Day 5 = 120 h	Day 10 = 240 h	Day 18 = 432 h
Maize silage untreated					
Maize silage treated with Josilac® extra					

The production of high levels of acetic acid during silo maturation **inhibits the exponential growth of yeasts and moulds**.

This can **significantly reduce the formation of mycotoxins**, which may have severe negative effects on metabolism, fertility, and the overall health condition of dairy cows.

Josilac® extra

Premix with biological silage inoculants

Recommended Application				
Grass > 30% DM	Corn Silage	CCM	Whole-crop silage	ULV
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SAFETY EFFECT



Composition:

heterofermentative lactic acid bacteria.

Inoculation Density:

250,000 CFU lactic acid bacteria / g silage.

Recommended Dosage:

3 g **Josilac® extra** per t of forage,
one sachet (150g) is sufficient for 50t forage.

Direction for use:

Dissolve **Josilac® extra** in at least 0.5 L of non-chlorinated water, stirring or shaking vigorously.

Dilute the solution further with water at a rate of 0.04–2.0 L per ton of forage. Apply it evenly to the harvested crop between 0.2L-2L/t.

The degree of dilution depends on the application device and the desired amount applied per t.

Micro-dosing: Apply **Josilac® extra** in liquid form at 50–100 mL per tonne of silage material.

Recommended water temperature: 18–30 °C
Recommended dry matter content: 30–65% DM
The solution is ready to use immediately.
Use it up within 48 hours.

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

Packaging Size:

10 x 150g

Storage and minimum shelf-life in closed original packaging:

Shelf life: 24 months when stored in a cool, dry place.
Best before: see imprint.
Protect from light and direct sunlight.
Ideally store in a refrigerator or freezer.

Mode of Action:

The heterofermentative lactic acid bacteria in **Josilac® extra** convert part of the lactic acid into acetic acid and 1,2-propanediol. This preserves the silage very effectively and protects it against reheating, so it stays cool and fresh for longer once exposed to air (high aerobic stability).

Because the bacterial strains are highly osmotolerant, **Josilac® extra** remains effective even in very dry silage.

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

Compliance with good agricultural practice is essential for the silage inoculant to be effective.

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Josilac®
by Josera.

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