

Josera.
we care, you grow

Certified Organic Product (DE-ÖKO-060)

Josilac® extra

SAFETY EFFECT

Biological silage inoculant

The specialist against secondary heating and mould formation for maize silage, CCM, whole crop silage, and pasture grass with high dry matter content

Premix with biological silage inoculants

Product features:

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

Advantages of Josilac® extra:

- **Exclusive combination of two heterofermentative bacteria strains**
- **Fresh, cool forage due to protection against reheating**
- **Reduced feed loss** due to high aerobic stability
- Particularly suitable for **difficult ensiling conditions**
  - Low feed-out rate
  - High levels of yeasts and moulds
  - Very dry ensiling materials
  - Large exposed silage face areas

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.

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Main application area				
Grass > 30% DM	Maize silage	CCM	Whole-crop silage	ULV
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SAFETY EFFECT



Composition:

heterofermentative lactic acid bacteria

Innoculation density:

250,000 CFU lactic acid bacteria / g ensiled material

Dosage:

3 g **Josilac® extra** per t of ensiled material,
the 150 g envolope is sufficient for 50 t of ensiled material,
the 600 g envolope is sufficient for 200 t of ensiled material.

Direction for use:

Josilac® extra is dissolved in water (unchlorinated) by stirring or shaking well and applied evenly to the silage in liquid form at 0.4-2 l/t.
For micro-dosing, **Josilac® extra** is applied in liquid form at 25-100 ml/t of ensiled material.
Recommended water temperature: 18-30 °C.
The application solution is ready for immediate use and should be used within 48 hours.
Recommended dry matter range: 30-65% DM.

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

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

Envolope sizes:

150 g / 600 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 heterofermentative lactic acid bacteria contained in **Josilac® extra** convert the lactic acid partially into acetic acid and 1,2 - propanediol.
This preserves the silage very effectively and protects it well from reheating. Thus, the silage remains cool and fresh for longer after air supply (high aerobic stability).
The comparatively high osmotolerance of the bacterial strains ensures the effectiveness of **Josilac® extra** even in very dry silage.

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

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Josilac®
by Josera.

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