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Josilac® ferm

Biological silage inoculant for the treatment of silage
The specialist against reheating

Product features:

- heterofermentative lactic acid bacteria (Lactobacillus buchneri)
- product is DLG tested (2)
- SAFETY-Effect

Product advantages:

- cool, fresh feed
- wide range of application (dry matter 30-60 %)
- for various types of forages
- low application rates (usable for ultra-low-volume [ULV]) and liquid application

Your benefits:

- high flexibility
- easy application
- high security through DLG quality label

SAFETY EFFECT

Main range of application					
Grass > 30 % dry matter	Maize silage	CCM (Corn Cob Mix)	Whole crop silage	Silage for biogas production	ULV
•	•••	•••	••	••	✓

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Josilac® ferm

Premix of silage additives

Application area: Corn/maize, whole-crop silage, CCM

Composition: Lactic acid bacteria 5.0 x 10^{10} CFU/g product:
Lactobacillus buchneri DSM 22501 1k20738
Carrier substance: Dextrose

Recommended dose: 150.000 CFU lactic acid bacteria / g fresh forage.

Dosage: 3 g **Josilac® ferm** per ton of fresh forage. One bag (150 g) is sufficient to treat 50 tons of fresh forage.

Application note: Dissolve 1 sachet (150 g) **Josilac® ferm** in approx. 0.5 l water by mixing or shaking well and then dilute with 0.2 to 2.0 l/t ensilage (alternatively, ULV 25 – 100 ml) and apply evenly over crops **(Josilac® dosing equipment)**. Dilution level depends on harvesting method, crop volume/h and nozzle flow.

Recommended water temperature: 18 – 30 °C. The solution is ready for use immediately, and should be used up within 48 hours.

Recommended dry matter range: 30 – 60 % DM

Note: Silo must be at least 6 – 8 weeks closed before feeding.

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 sun light.
Best if stored in fridge or freezer.

Mode of Action:
The in **Josilac® ferm** included SAFETY-Effect keeps the silage longer stable after air admission (high aerobic stability). The effective use is also ensured at more dry silages (high osmotolerance). On the one hand the SAFETY-Effect cares about the secured fermentation process during the primary fermentation. On the other hand a stable environment against molds and yeasts is created. The high-quality forage is effectively conserved and protected from reheating.

Advantages of Josilac® ferm in silages used for feeding:

- Low feed losses, due to the high aerobic stability (stability of the silage after exposure to air)
- Healthy, fresh and cool feed, due to the reduction of secondary heat formation losses
- Better feed quality due to the reduced growth of yeasts and molds. This reduces their negative effect to the health of your animals

Advantages of Josilac® ferm in the fermentation substrate for biogas production:

- Continuity of the valuable initial substances for gas formation, due to the lower loss of dry matter
- Lower energy losses during feed out and loading into the fermenter (higher aerobic stability)
- High gas yields due to a higher percentage of acetic acid and 1,2-propandiol. These combinations are precursors of methane production.

Net mass: 150 g

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