

# Josilac® classic

Biological silage inoculant for the treatment of silage  
Premium product for best silages

## Product features:

- very high concentration of homofermentative lactic acid bacteria and highly effective enzymes
- approved for organic farms
- product is DLG tested (1b, 1c, 4b, 4c milk)
- TURBO-Effect

## Product advantages:

- wide range of application (dry matter 25-40%)
- for various types of forages
- low application rates and liquid application

## Your benefits:

- best silage quality even under difficult conditions
- high flexibility
- easy application
- high security through DLG quality label



### Main range of application

Grass	Maize silage	Legumes	Whole crop silage	Silage for biogas production
...		...		

## Josilac® classic

Premix of silage additives

**Application area:**

Grass, alfalfa and other legumes

**Composition:** Lactic acid bacteria  $1.0 \times 10^{11}$  CFU/g product:

*Lactobacillus plantarum* LSI NCIMB 30083 1k20736

*Lactobacillus plantarum* L256 NCIMB 30084 1k20737

*Pediococcus pentosaceus* P11 DSM 23689 1k1011

*Pediococcus pentosaceus* P6 DSM 23688 1k1010

Enzyme 43.000 HET/g product: Xylanase from *Trichoderma longibrachiatum*

MUCL 39203 (EC 3.2.1.8) (1k)

Carrier substance: Dextrose



**Recommended dose:** 600.000 CFU lactic acid bacteria / g fresh forage.

**Dosage:** 6 g Josilac® classic per ton of fresh forage. One bag (150 g) is sufficient to treat 25 tons of fresh forage.

**Application note:** Dissolve 1 sachet (150 g) Josilac® classic in approx. 0.5 l water by mixing or shaking well and then dilute with 0.2 to 2.0 l/t ensilage 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:** 25 – 40 % DM

**Attention:** Enzymes may be irritant to skin and eyes in sensitized individuals.

**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® classic included TURBO-Effect stimulates fast and intensive lactic acid fermentation in the fresh forage. The negative accompanying conditions which can damage the high-quality basic feed will be effectively suppressed, bad fermentation will be prevented. In addition the TURBO-Effect ensures a more stable protein in the silage. Here the proteolysis (protein degradation during ensiling) is reduced- less ammonia-N content- more UDP (un-degradable protein). The TURBO-Effect is supported through added enzymes which release sugar from the plant cell wall and thus valuable fermentation substrates. Thereby a secured fermentation process is possible even under difficult conditions (wet weather, less sugar content, high puffer capacity).

**Advantages of Josilac® classic in silages:**

- Low fermentation losses, due to a controlled and rapid fermentation process
- Higher nutrient density, due to the optimized and quick transformation of sugars into fermented acids (plenty of lactic acid, little acetic acid, no butyric acid)
- Higher feed intake due to more tasty silages
- Higher true protein contents due to a reduced degradation of proteins
- More potential for high milk yields from your own forage
- Less concentrate and protein feed is needed, helping to decrease your feed costs

**Net weight:** 150g