

Josera.
we care, you grow

Certified Organic Product (DE-ÖKO-060)

Josilac® *turbosil* G

Silage Inoculant

For a reduced maturation time of grass, clover and whole-crop silages

14 DAYS

Premix of biological silage inoculants

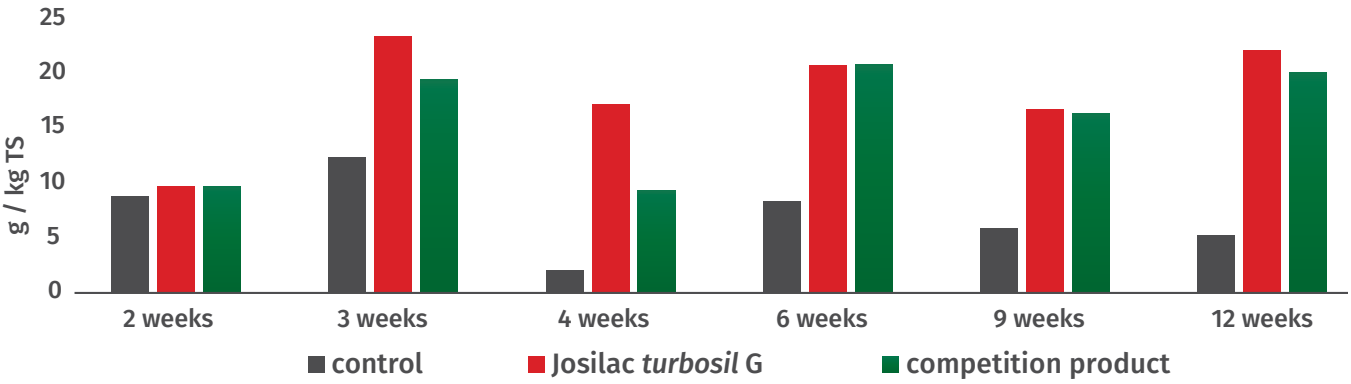
Product Characteristics:

- Provides greater flexibility in silage management by allowing opening after just 14 days
- Pronounced reduction of silage maturation time by up to 75%
- Ingenious combination of various heterofermentative and homofermentative bacteria strains
- Ensures stable silages
- Recommended Dry Matter content: 30 - 50%
- Provides protection against malfermentation and silage reheating

Advantages of Josilac® *turbosil* G

- Enables safe early opening of silage, reducing the risk of feed shortages
- Supports optimal dairy cow performance through optimized fermentation
- Reduces energy losses by minimizing silage reheating
- Enhances aerobic stability through optimized acetic acid production

Development of the acetic acid concentration



Aerobic Stability - Losses through Reheating

	initial weight (g)	final weight (g)	Difference (g)	Difference (%)	pH-value start	pH-value final	Difference
Control, untreated	205	183	22	10,7	5,9	8,6	2,7
Josilac® *turbosil* G	205	200	5	2,4	4,5	4,5	0

Josilac® *turbosil* G

Premix with biological silage inoculants

Main Area of Application					
Grass	Clover	Legumes	WCS	Corn Silage	ULV
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Composition:

Combination of homo- and heterofermentative bacteria strains

Inoculation Density:

250,000 CFU Lactic Acid Bacteria per g silage

Recommended Dosage:

3 g **Josilac®** ***turbosil*** **G** per t silage
One 150g sachet is sufficient for 50t silage.

Recommended Application:

Josilac® ***turbosil*** **G** should be thoroughly dissolved in nonchlorinated water through vigorous stirring or shaking and subsequently applied in liquid form at a rate of 0.2 to 2 liters per ton of silage material, using dosing equipment available in our product range. For microdosing applications, **Josilac®** ***turbosil*** **G** is administered in liquid form at a dosage of 50 to 100 milliliters per ton of silage material.
The recommended water temperature for preparation is between 18 and 30 °C. The application solution is immedia-tely ready for use and should be utilized within 48 hours.
The recommended dry matter content of the silage material ranges between 30% and 50%.

Storage and Shelf Life in closed original packaging:

Shelf life: 24 months from the date of production (indicated on the packaging), provided it is stored in a cool and dry environment.
Protect from light and direct sunlight.
Optimal storage conditions are achieved when kept in a refrigerator or freezer.

14 DAYS



Packaging Size:

150 g

Mode of Action:

The homofermentative lactic acid bacteria initially stimulate an intense lactic acid fermentation process, leading to a rapid decrease in pH and effectively inhibiting the formation of butyric acid. As fermentation progresses, heterofermen-tative bacterial strains generate a balanced amount of acetic acid. This acetic acid serves a dual purpose: it enhances the aerobic stability of the silage by prolonging its resistance to spoilage upon air exposure, while simultaneously preserving its palatability without adverse effects.

Compliance with good agricultural practice is imperative for the success of the silage inoculant.

You have questions in regards to Josilac® *turbosil* G?
You are very welcome to reach out to us!

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