

Josilac® combi

Biological silage inoculant for the treatment of silage.
The allrounder.

Product features

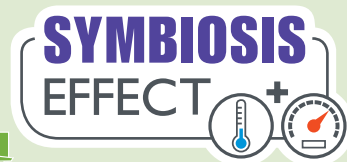
- high concentration of homo- and heterofermentative lactic acid bacteria
- product is DLG tested (1c, 2 grass)
- SYMBIOSIS-Effect

Product advantages

- universal application
- low application rates (usable for ultra-low-volume [ULV]) and liquid application
- wide range of application (dry matter 28-45 %)
- for various types of forages

Your benefits

- high flexibility
- easy application



Main applications

| Grass | Maize silage | Legumes | Whole crop silage | Silage for biogas production | ULV |
|-------|--------------|---------|-------------------|------------------------------|-----|
| ●●● | ●●● | ● | ●●● | ●● | ✓ |

Josilac® combi

Premix of silage additives

Application area:

Maize silage, whole crop silage, green feed with higher content of dry matter and silage for biogas production

Composition:

homo + heterofermentative lactic acid bacteria

Recommended dose: 300.000 CFU / g fresh forage

Dosage: 3 g Josilac® combi per each ton of fresh forage. The 150 g - bag is sufficient for 50 tons silage.

Application note:

Josilac® combi is dissolved under heavily stirring or shaking in water (unchlorinated) and in liquid form with 0.4 to 2 l per tons applied uniformly to the silage (**Josilac® dosing equipment**).

If using micro dosing technology apply Josilac® combi in liquid form to the silage at a rate of 50 – 100 ml / ton.

Proposed water temperature: 18 – 30 °C

The application solution is immediately ready for use and should be consumed within 48 hours.

Proposed dry matter range: 28 – 45 % DM

Note: Silo should remain closed for at least 6 – 8 weeks.

Storage and minimum shelf life in unopened original packaging:

Room temperature (20 °C): 6 months

Refrigerator (4 – 8 °C): 12 months

Freezer (-18 °C): 24 months

Mode of Action:

The in Josilac® combi included SYMBIOSIS-Effect is based on a special constellation of complementary lactic acid bacteria. The bacterial strains benefit from each other in their action. First, intensive lactic acid fermentation is stimulated and the pH value decreases rapidly.

In addition acetic acid is controlled formed by the previously developed lactic acid and determined plant sugars. At the beginning of the fermentation process bad fermentations will be suppressed. In addition the silage is protected from reheating. After air admission the silage remains stable for longer time (aerobic stability).

Advantages of Josilac® combi in silage used for feeding:

- Low fermentation losses, due to continuity of high-energy dry matter
- Low feed losses, due to the high aerobic stability (stability of the silage after exposure to air)
- Healthy hygienic feed, due to reduction of yeast and mold growth and secondary heat formation

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

- Lower energy losses, due to the protection against bad fermentations
- 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 (precursors of methane)

Net mass: 150 g

