

GopiSIL-up

Biological Silage Inoculant

SINGLE SOLUTION FOR PLURAL BENEFITS

Improvement of aerobic stability & Dairy Cattle ketosis-prophylaxis.

Well fermented energy rich silages exposed to air tend to spoilage. Valuable, easy digestible nutrients are degraded by yeasts and moulds. That results in re-heating and the growth of moulds visible by the typical coloured hot spots. In addition, a mycotoxin risk is increasing. Management failures during ensiling like insufficient packing, non-airtight sealing, and slow feed out are major causes. To prevent that, best management combined with the use of GopiSIL-up is needed.

GopiSIL range contains a special selected non-GMO strain of *Lactobacillus buchneri*. The microbe ferments in its metabolic pathway lactic acid. From lactic acid later it forms acetic acid and 1,2 propanediol (propylenglycol).

Lactobacillus buchneri is more effective in combination with our *Enterococcus faecium* in the production of acetic acid and 1,2 propanediol. Acetic acid controls the growth of yeasts and moulds. Thus, the bunk life is improved during feed out. 1,2 propanediol is an energy rich, glucoplastic substance which is taken up fast and does not burden the rumen. High yielding dairy cows will be provided with much needed energy. The converted sugar into 1,2 propanediol prevents rumen acidosis and ketosis. *Enterococcus faecium* is used as a booster. Caused by that strain combination the *Lactobacillus buchneri* metabolic pathway gets more efficient, visible by the gas formation as shown in (Fig. 1).

Ready to use

GopiSIL-up is mixed with tap water and can be used immediately. For optimum distribution we recommend applying between 1.0 and 2.0 litres.

Range of application

GopiSIL-up can be used for silage made from maize, whole crop maize, whole crop cereals and grass.



Technical Data

Composition:

Lactobacillus buchneri DSM 13573
(min. 1×10^{11} CFU/g) - Heterofermentative
Enterococcus faecium DSM 22502
(min. 2×10^{10} CFU/g) - Homofermentative

Application Rate:

1 g/t forage

Inoculation Rate:

Min. 120,000 lactic acid bacteria/g forage

Storage Life:

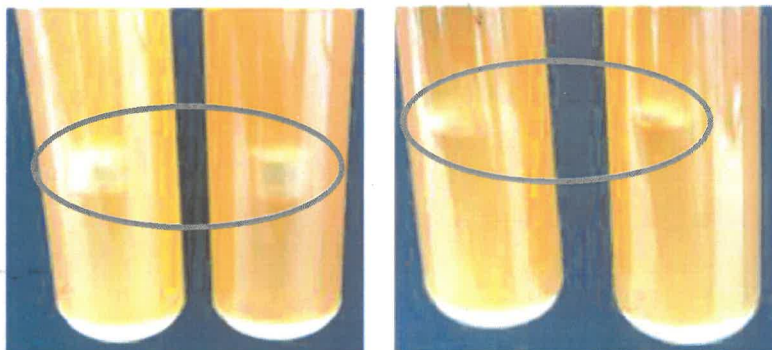
The product will keep for 6 months from the date of manufacture if stored in sealed original aluminium bags at room temperature (max. 20 °C), and for 24 months in a freezer (-18 °C). Product dissolved in water must be used within 24 hours.

Classification according to EU feed additive legislation:

Premixture containing technological additives: silage additive [1k, 2-microorganisms]

Packaging:

50 grams aluminium sachet
100 grams aluminium sachet



(Fig. 1)

