



KOFASIL® S 1.2

One product – double benefit

Improvement of aerobic stability and dairy cow 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 colored 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 Kofasil S 1.2 is needed.

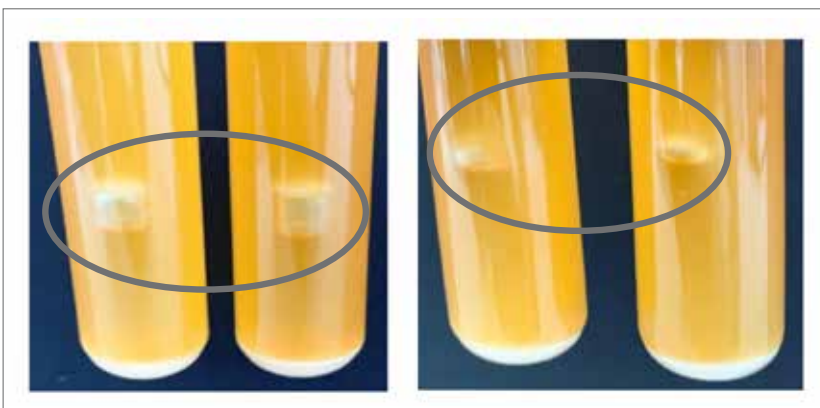


KOFASIL S contains a special selected non-GMO strain of *Lactobacillus buchneri*. The microbe ferments in its metabolic pathway lactic acid. From lactic acid later it forms acetic acid and 1,2 propanediol (propylenglycol).

Kofasil S 1.2 with E-Booster

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 (Fig. 1).

Figure 1: Turbo-effect caused by a strain of *Enterococcus faecium* visible by the gas bubble (grey ring).



KOFASIL S 1.2

- double benefit by a suited combination of LAB
- prevents feed and energy losses
- reduces mould growth and mycotoxins
- 1,2 propanediol supports high yielding cows with glucoplastic energy
- protects against rumen acidosis and ketosis



Ready to use

KOFASIL S 1.2 is mixed with tap water and can be used immediately. The product can be used for micro-dosing (20 – 50 ml/t). For optimum distribution we recommend applying between 1.0 and 2.0 litres per tonne of silage crop.

Range of application

KOFASIL S 1.2 can be used for silage made from whole crop maize, CCM, whole crop cereals and grass

Dosing

KOFASIL S 1.2 is dosed directly on the forage cutter using a suited dosing technique.

In case of increasing ripeness, a chemical silage additive with mode of action 2 (e.g. MAIZE KOFASIL LIQUID) can easily be applied.

Energy maize silage

Maize silage as a co-substrate for the use in biogas plants should be high in energy and hygienic quality. Thus, KOFASIL S or KOFASIL LIFE M is recommended for use in this area: it promotes high gas yields and helps keep your plant running smoothly.



Technical data

Composition:

Lactobacillus buchneri DSM 13573 [1k20733], *Enterococcus faecium* DSM 22502 [1k20602]

Active Ingredients:

heterofermenter;
min. 1×10^{14} CFU/kg
homofermenter:
min. 2×10^{13} CFU/kg

Application rate:

1 g KOFASIL S 1.2/t forage
(maize, whole crop cereals, energy rich grass) in case of CCM
use 2 g/t

Storage life:

in sealed original aluminium bags at room temperature (max. 20 °C) for 6 month, in fridge (4 °C) for 12 and for 24 month 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]

Certification



ADDCON –
EU-hygiene regulation 183 / 2005:
α-Nr. Bitterfeld: DE ST 100033, DE ST 100024
α-No. Porsgrunn: α NO 10050081

contact@addcon.com



ADDCON GmbH
Parsevalstraße 6,
06749 Bitterfeld-Wolfen,
Germany
Phone: +49 228 91910-0
Fax: +49 228 91910-60
www.addcon.com

ADDCON EUROPE GmbH
Areal E / Säurestraße 1,
06749 Bitterfeld-Wolfen,
Germany
Phone: +49 3493 73780
Fax: +49 3493 73787
www.addcon.com

ADDCON NORDIC A/S
Postboks 1138 Herøya
3905 Porsgrunn
Norway
Phone: +47 35 56 41 00
Fax: +47 35 56 41 01
www.addcon.com

ADDCON Asia Ltd.
Workshop 2, 12/F,
Winning Centre
29 Tai Yau Street, San Po Kong
Kowloon, Hong Kong
Phone: +852 2368 0091
Fax: +852 2368 0127
www.addcon.com

ADDCON (Dalian) Environmental Products Ltd.
Room 4403, Tower A, Times Square,
No. 50 Renmin Road,
Zhongshan District,
Dalian 116001, China
Phone: +86 411 82538001
Fax: +86 411 82538010
www.addcon.com