

Ensiling

KOFASIL[®] S ready to use!

Heterofermentative bacterial preparation for improving the aerobic stability of silage

When silage is exposed to air, its quality can deteriorate, as valuable, easily digestible nutrients are broken down by yeasts and moulds. There is also a risk of mycotoxin formation. Signs of the growth of these micro-organisms are an increase in the temperature of the silage and typical discolorations (blue-green, red) in the form of mould nests (hot spots).

This particularly affects well-fermented, high-energy silo maize, but silage made of grass and whole cereal plants may also display signs of heating on exposure. Ensiling mistakes such as poor compaction, ensiling forage that has been harvested late, or insufficient turnover increase the risk of such processes. This can be avoided by applying good farming practices and using KOFASIL S.

KOFASIL S contains a specially selected non-GM strain of the lactic acid bacteria *Lactobacillus buchneri*. In addition to lactic acid, this also forms a certain amount of acetic acid which inhibits yeasts and moulds, which improves the storage life of silage kept in non-airtight conditions where heating on exposure could occur without the use of additives.

KOFASIL S is recommended for protecting the quality of various types of silage used in animal feed. It is also ideal for producing high-energy, hygienic silage from energy maize and other substrates for biogas production.



Perfectly hygienic silage for farm animals and biogas plants

KOFASIL S

- avoids feed and energy losses
- prevents mould growth and production of mycotoxins
- optimises biogas yield



Ready for use

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

Energy maize silage

Maize silage as a co-substrate for use in biogas plants must be high in energy and highly hygienic. So KOFASIL LIFE S is recommended for use in this area too: it promotes high gas yields and helps keep your plant running smoothly.

Application rate

KOFASIL S-concentrate has to be diluted with water as per the instructions for use on the product to produce 1 - 2 litres of ready-to-use solution per tonne of silage crop.

Dosing

KOFASIL S is dosed directly on the forage cutter. We recommend using the new injection dosing device made by our partner company SILA GmbH, Bitterfeld (see picture).

This dosing device continuously adds the KOFASIL S concentrate to a water stream and applies it. In deteriorating weather conditions a chemical silage additive with mode of action 2 (e.g. MAIZE KOFASIL LIQUID) can easily be applied.



Technical Data

Composition:

Lactobacillus buchneri DSM 13573
(min. 1 x 10¹¹ CFU/g)

Application rate:

1 g/t forage
in case of CCM 2 g/t

Inoculation rate:

min. 100,000 lactic acid bacteria / g forage

Storage life:

The product will keep for 6 month from the date of manufacture if stored in sealed original aluminium bags at room temperature (max. 20 °C), 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:

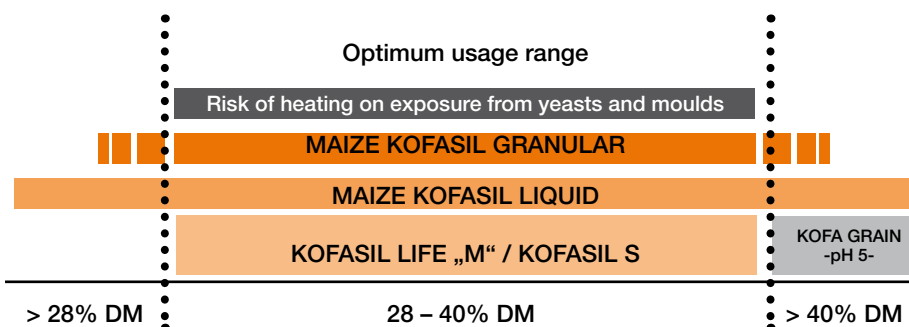
The bacterial strain used in KOFASIL S has been authorized according to the COMMISSION IMPLEMENTING REGULATION (EU) No 1119/2012 of 29. November 2012 in the category technological additives, functional group silage additives for all animal species. It has been assigned the identification number 1k20733.

Packaging unit:

5 x 100 g (for 500 t forage)



The KOFASIL silage additive programme



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