

## Ensiling

# KOFASIL® LIFE

### Improving fermentation quality in silage

KOFASIL LIFE is a biological silage additive for self-cultivation. The cultures start developing their full strength as soon as inoculation takes place. The acidification speed is therefore higher than with freeze-dried, water-soluble or granulated products, which first have to be 'woken up' (see graph).

This ultra-fast acidification by our highly active and competitive lactic acid bacteria permanently prevents growth of acid-sensitive organisms that are harmful to fermentation such as clostridia, and produces hygienic, high-energy silage.

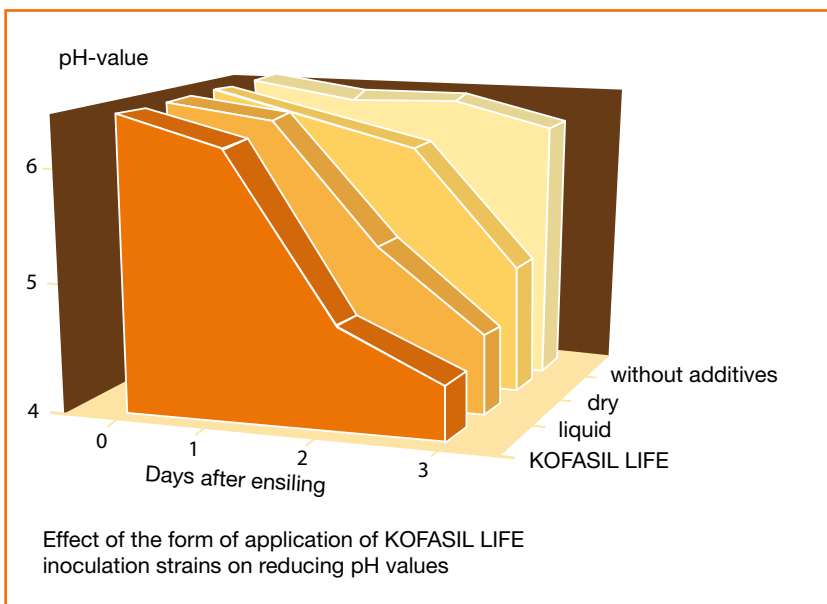


1b + 1c  
4 a + 4 b  
4 c (fattening))



**fastest possible reduction of pH-value eliminates harmful organisms**

- metabolic activity immediately after adding to silage crop
- lactic acid forms even with low pH-values
- effective even with high levels of dry matter
- uses a wide range of sugar sources



We also offer KOFASIL LIFE as a fresh culture!  
More information from [www.addcon.net](http://www.addcon.net)



## Growing the culture

Fill the canister with hand-hot water and shake. When stored at room temperature, the violet contents will turn yellow after about 24 hours. After another 24 hours the contents of the KOFASIL LIFE canister will have reached the necessary population density.

## Application rate

KOFASIL LIFE-concentrates are 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.



Forage	DM range	Dosage per tonne of forage
Intensive grass (general)	30 - 50 %	1 - 2 litres*
Intensive grass (Lolium species)	25 - 50 %	1 - 2 litres*
Extensive grass	30 - 50 %	1 - 2 litres*
Green cereal crops (before flowering)	25 - 40 %	1 - 2 litres*
Whole cereal plants (at dough-ripe stage)	35 - 50 %	1 - 2 litres*
Alfalfa, alfalfa / grass mixtures	35 - 50 %	1 - 2 litres*
Clover, clover / grass mixtures	30 - 50 %	1 - 2 litres*

\* Low dosage only recommended for treatment of chopped harvested crops

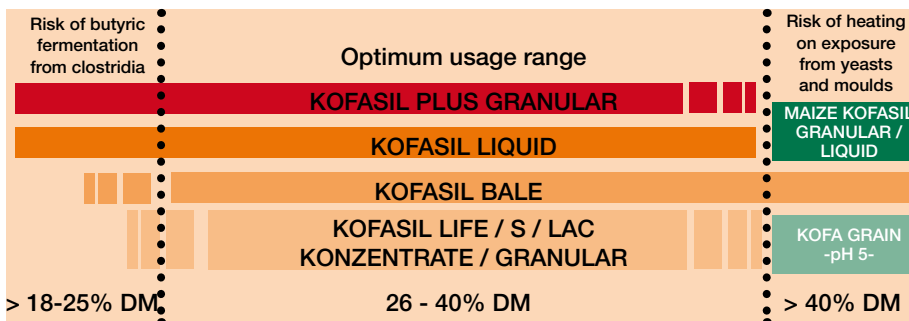
## Dosing

KOFASIL LIFE is dosed directly on the self-loading forage wagon, forage cutter or bale press. 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 LIFE concentrate to a water stream and applies it. In deteriorating weather conditions a chemical silage additive with mode of action 1 a (e.g. KOFASIL LIQUID) can easily be substituted.

## Container sizes /growth preparations:

2 x 5 litre PE canisters with 500 g bacteria in dry concentrate (for approx. 2 x 75 t silage)  
 2 x 500 g bags with 500 g bacteria in dry concentrate (for approx. 2 x 75 t silage)  
 1 x 26 litre PE canister with 2.6 kg bacteria in dry concentrate (for approx. 2 x 400 t silage)  
 KOFASIL LIFE LIFE is also available as a ready-to-use, pre-grown fresh preparation if required.

## The KOFASIL silage additive programme



## Technical Data

### Composition:

Lactobacillus plantarum DSM 3676 and 3677, Propionibacterium DSM 9676 and 9677

### Inoculation density:

When grown according to the instructions, min. 400,000 bacteria / g of silage crop

### Storage life:

Store in a dry, cool and dark place. When kept in closed original containers, will keep for at least 12 months from the date of manufacture at room temperature, or three years in a refrigerator (-18°C). Undiluted active culture will keep for 10 -14 days at room temperature and four weeks in a refrigerator (4°C). Diluted active culture must be used within 24 hours after production.

### Classification under animal feed legislation:

The active ingredients in KOFASIL LIFE have been notified in the EU under Regulation (EC) No 1831 / 2003, category: Technological Additives, functional group: Silage Additives.



### Risk of heating on exposure!

Silage with a high dry matter content can be susceptible to heating on exposure. We recommend treating the top third of the silo with MAIZE KOFASIL LIQUID

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