

LIKRA

Tierernährung

Silage

with 5 bacterial strains
LIKRA silage additives for all silages

the criteria of success:

- ✓ **keeping of the nutrient density** - efficient lactic acid fermentation
- ✓ **protection against amino acid degradation**- high protein resistance
- ✓ **more milk** from the basic feed or **higher daily weight gains** in fattening
- ✓ the growth of the bacterial strains is coordinated
- ✓ **rapid reduction in pH-value** due to intensive formation of lactic acid
- ✓ **suppression of unwanted germs**
- ✓ specific combat of undesirable yeasts
- ✓ **ensuring of the stability** after opening
- ✓ controlled fermentation



Also for organic farming!



successful ensilage

LIKRA silage additives for all silages

LIKRASIL



LIKRASIL is a combination of 5 different strains of lactic acid bacteria in water-soluble form.

Usage: Dissolve 1 kg LIKRASIL in 10 litres of water and spread evenly in 10-20 tons of silage.

- easily fermentable silage (corn and grass with a high sugar content or CCM): 1kg / 20 to.
- moderately fermentable silage (clover grass, grass with moderate sugar content): 1kg/15 to.
- hardly fermentable silage (lucerne): 1kg/ 10 to.

Packaging unit: 10 kg bucket (suitable for liquid dosing devices)
Advantages of the liquid dosage: Better distribution and faster effectiveness of lactic acid bacteria.

LIKRASIL 10E10



LIKRASIL 10E10 is a combination of 5 different strains of lactic acid bacteria in water-soluble form.

Usage: Dissolve 1 kg LIKRASIL 10E10 in water and spread evenly in 10-20 tons of silage.

- easily fermentable silage (corn and grass with a high sugar content or CCM): 1kg / 200 to.
- moderately fermentable silage (clover grass, grass with moderate sugar content): 1kg/150 to.
- hardly fermentable silage (lucerne): 1kg/ 100 to.

Packaging unit: 1 kg Can (suitable for liquid dosing devices)

SIZUBA

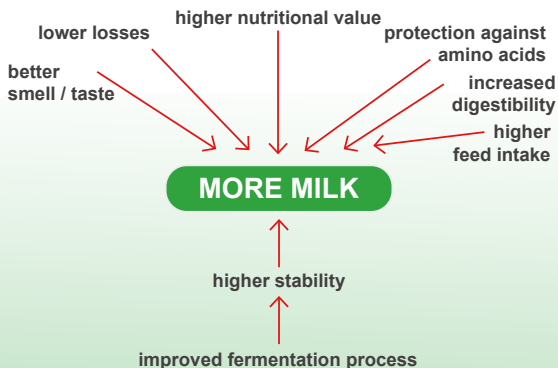


SIZUBA is a combination of 5 different strains of lactic acid bacteria in granulated form.

Usage: Depending on the fermentability, spread 1 kg of SIZUBA evenly on 1 - 1,5 tons of silage.

Packaging unit: 30 kg bag

LIKRASIL/SIZUBA increases milk production



LIKRASIL and SIZUBA may be used in organic production in accordance with Regulations (EC) No 834/2007 and (EC) 889/2008.

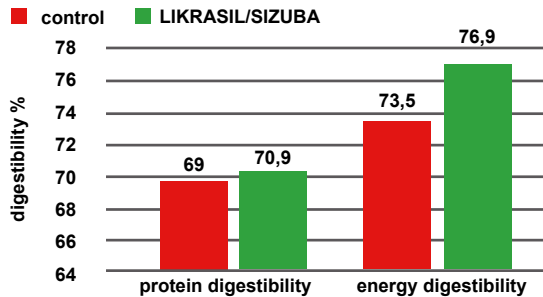


Also for organic farming!
Produced using DLG-approved components.

silage type	LIKRAcid liquid	LIKRASIL/SIZUBA	LIKRAcid liquid
grass	< 25	25 - 50	> 50
lucerne, clover	< 25	25 - 43	> 43
corn	< 25	25 - 40	> 40

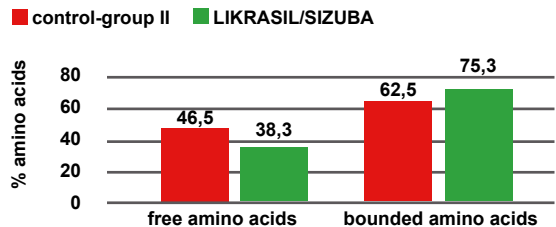
Recommended use of the LIKRA silage additives, depending on the dry matter content (%) of the crop.

improved digestibility of proteins and energy



- significant increase of the protein and energy digestibility by 2,8% respectively 4,6%
- a higher digestibility leads to a better feed conversion and thus to a higher productivity

improved protection of amino acids



- LIKRASIL/SIZUBA significantly reduces the amount of free amino acids and noticeably increases the amount of bound amino acids
- free amino acids are reduced faster in the rumen
- bound amino acids are retained longer

High-energy grain corn and corncob silage for fattening pigs

The use of LIKRASIL/SIZUBA effects:

- fermentation pests such as butter and acetic acid bacteria are suppressed
- inhibition of yeast growth
- less than 5% silage losses
- 5% higher daily weight gain of fattening pigs due to increased energy density
- higher proceeds per fattening pig

successful ensilage



The central aim in silage preparation is to optimize the living conditions for the lactic acid bacteria, to lower the pH quickly and to stabilize the silage without losses.

LIKRASIL/SIZUBA starts a controlled fermentation through the special combination of 5 different homo- and heterofermentative lactic acid bacteria, which ensures an optimal fermentation process. The homofermentative lactic acid bacteria minimize energy and dry matter losses and guarantee the best palatability of the silage.

A known problem is that silages are very susceptible to heating after opening and exposure to oxygen. The reason for this is the rapid growth of the yeasts.

LIKRASIL/SIZUBA contains a unique, heterofermentative strain which, in addition to lactic acids, also produces acetic acid, thus inhibiting the growth and activity of yeasts. This ensures a stable silages in the summer.

www.likra.com

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