BIOENERGY

The newsletter for biogas production

NEWS

MAKING GAS FROM GRASS

GOING ALTERNATIVE WAYS WITH **GRASS SILAGE**

What are the challenges of good grass silage?

With the right management, raw sugar, raw protein, ash content and dry matter content can be controlled.

The correct **harvest time**, **cutting height** and **pick-up** are important!

// before panicle pushing ⟶ best possible substrate quality (energy in the form of sugar)

// as high as necessary, but min. 7 cm ⟶ reduces contamination from the field and enables fast regrowth

// the earlier harvest is brought in the better ⟶ reduces energy losses in the field

Chop length and **dry matter content** are just as important:

// as short as possible / < 3 mm

// dry matter content between 28% and 35%

// Compact systematically in layers of 20–25 cm; use high tyre pressure and max. 3 passes

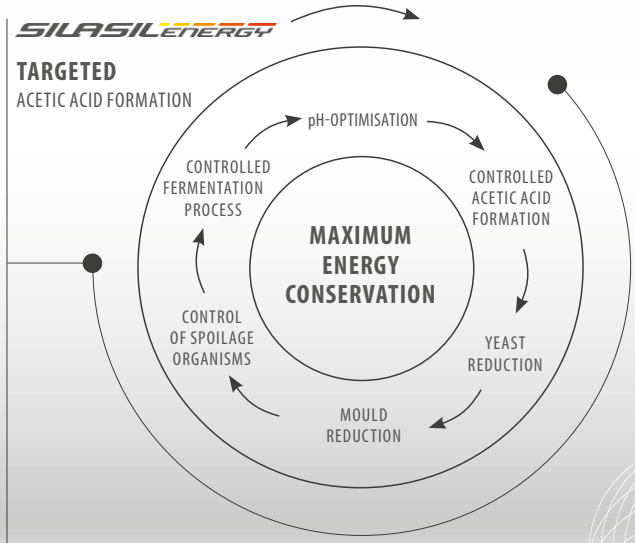
Why treat with SILASIL ENERGY?

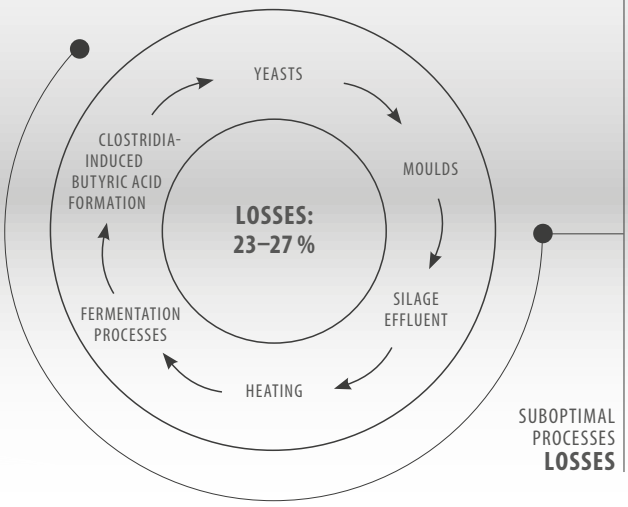
Our silage additives pursue two aims:

// Targeted acetic acid formation to avoid heating at feed-out

// Suppressing clostridia to prevent spoilage

Both aims are directed at **reducing energy losses** in your clamp. Our products SILASIL ENERGY.BG, SILASIL ENERGY.SG and SILASIL ENERGY.XD hand you the suitable tools for every type of grass silage.





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How can I recognise superior grass silage?

SMELL:

- ✓ Sweet and sour silage smell
- ✗ Acrid, sweaty, musty or fermented odours

OUTLOOK:

- ✓ No contaminations, nests of yeasts or moulds or discolourations of the silage
- ✗ Broken edges and loose material in shoulder or upper areas of the clamp face

FEEL:

- ✓ No noticeable heating of loose material when in contact with air (check with temperature sensor)

ANALYTICS:

- // Insights into the fermentation acid pattern
- // Presence of yeasts and moulds
- // pH value in the silage

The following parameters serve as orientation for good silage, i.e. the efficiency of the ensiling process and aerobic stability:

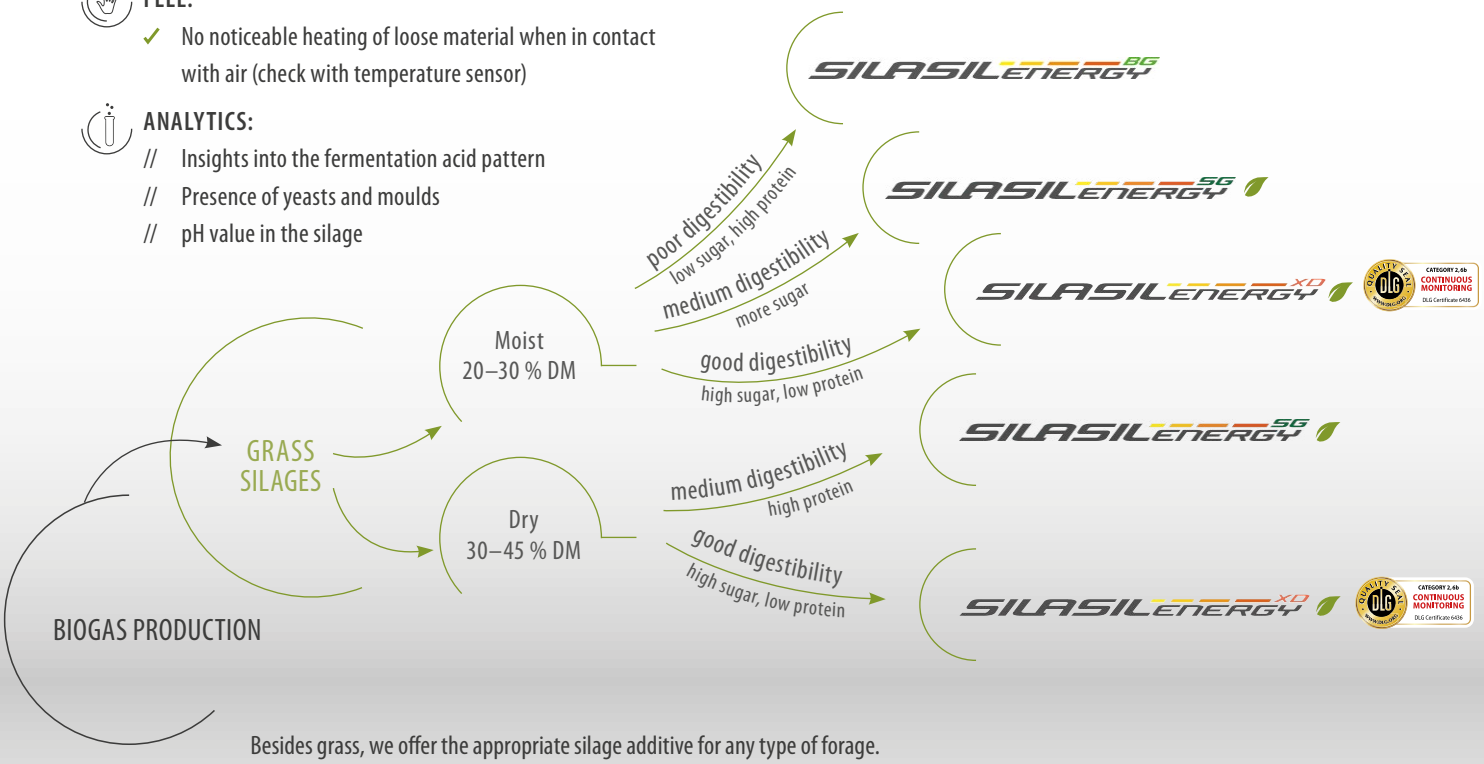
PARAMETER	AIM FOR
pH	< 4.5
Lactic Acid	> 6 % in DM
Acetic Acid	> 2.5 % in DM
Butyric Acid	< 1 % in DM

That's not it yet? NO!

Your biogas plant is the heart of your business - give it the best so that it beats optimally! And we would like to help you with that:

From pre-harvest monitoring via silage additive selection to clamp management and sampling.

Ensiling is our craft!



Besides grass, we offer the appropriate silage additive for any type of forage.
CHALLENGE US!

For more information please contact us at
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