

# **BC.ACID**

**BC.ACID – preservative for just-harvested, pourable and humid substrates**

# BC.ACID 1 – preservative for pumpable substrates

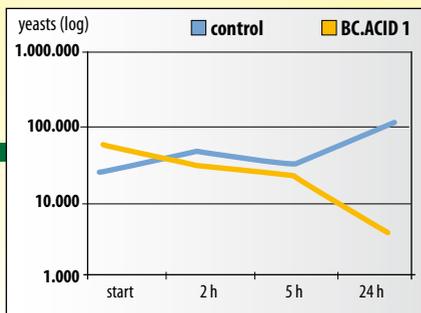
## The BC.ACID program

BC.ACID 1 and BC.ACID 2 are mixtures of acids for the preservation of just-harvested, humid and pumpable substrates for biogas production. BC.ACID 1 and BC.ACID 2 prevent the development of mold and bacteria during the storage and they protect humid crops, CCM and secondary substances against the inhibiting growth of yeasts.

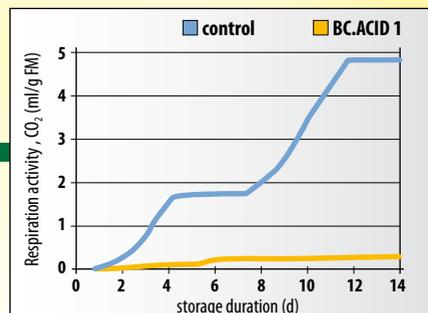
### BC.ACID 1 – for pumpable substrates

- BC.ACID 1 – mixture of acids for the preservation of pumpable substrates for biogas production during the storage of silage in fluid form
- BC.ACID 1 – to be added for fluid storage of milled crops, CCM and other substrates
- BC.ACID 1 – storage in tanks, stable and not subject to losses also in case of fluctuating water content

BC.ACID 1 – quickly and effectively decreases the accumulation of yeasts in fluid substrates



BC.ACID 1 – the low CO<sub>2</sub>-respiration activity proves the decreased accumulation of damaging microorganisms and the reduced conversion of nutrients



# BC.ACID 2 – preservative for pourable substrates



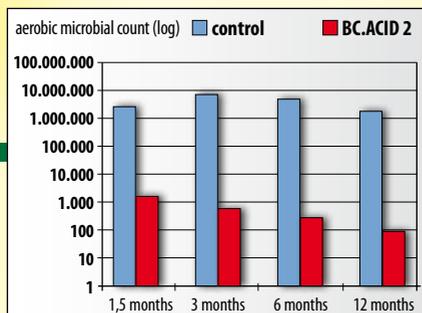
## How BC.ACID works

BC.ACID 1 and BC.ACID 2 have a strong effect against microorganisms. They actively attack the exchange of carbohydrates of the microorganisms and they inhibit their growth during the storage. Thanks to the decrease of the pH of the substrate, BC.ACID creates environmental conditions that are not suitable for the growth of the already present damaging microorganisms.

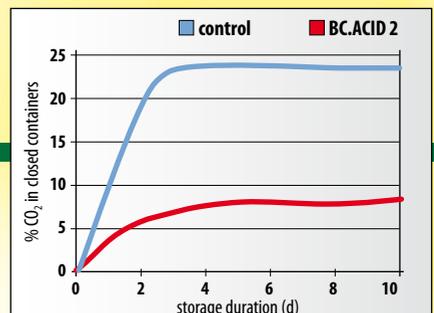
### BC.ACID 2 – for pourable substrates

- BC.ACID 2 – mixture of acids for the preservation of pourable substrates for biogas production during the storage phase
- BC.ACID 2 – the addition is done for whole, fresh grains and pourable secondary substrates
- BC.ACID 2 – high effect during storage and easy to handle thanks to the low evaporation rate

BC.ACID 2 – clearly and effectively decreases the aerobic microbial count (wheat, 14% humidity)



BC.ACID 2 – the low CO<sub>2</sub>-respiration activity proves the decreased accumulation of damaging microorganisms and the reduced conversion of nutrients



## BC.ACID – stable preservation of the substrate

BC.ACID limits the growth of undesired microorganisms and the consequent conversion of the nutrients. For the biogas formation, two different effects arise:

- **Conservation of the energy content during the storage**  
More nutrients are maintained as raw material for the methane production in the fermenter.
- **Lower load for the biology of the fermentation**  
Less external microorganisms disturbing the biological process are introduced in the fermenter.

## BC.ACID – your benefit

Humid substrates for biogas production are exposed to high risk of damage during the storage.

BC.ACID 1 and 2 are selected specifically for the requirements of biogas production and they provide optimal substrate hygiene. Their addition preserves the energy potential of the substrate and increases the biogas production.

**We are always available for information about the addition of BC.ACID, the dosage procedure and amount.**

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