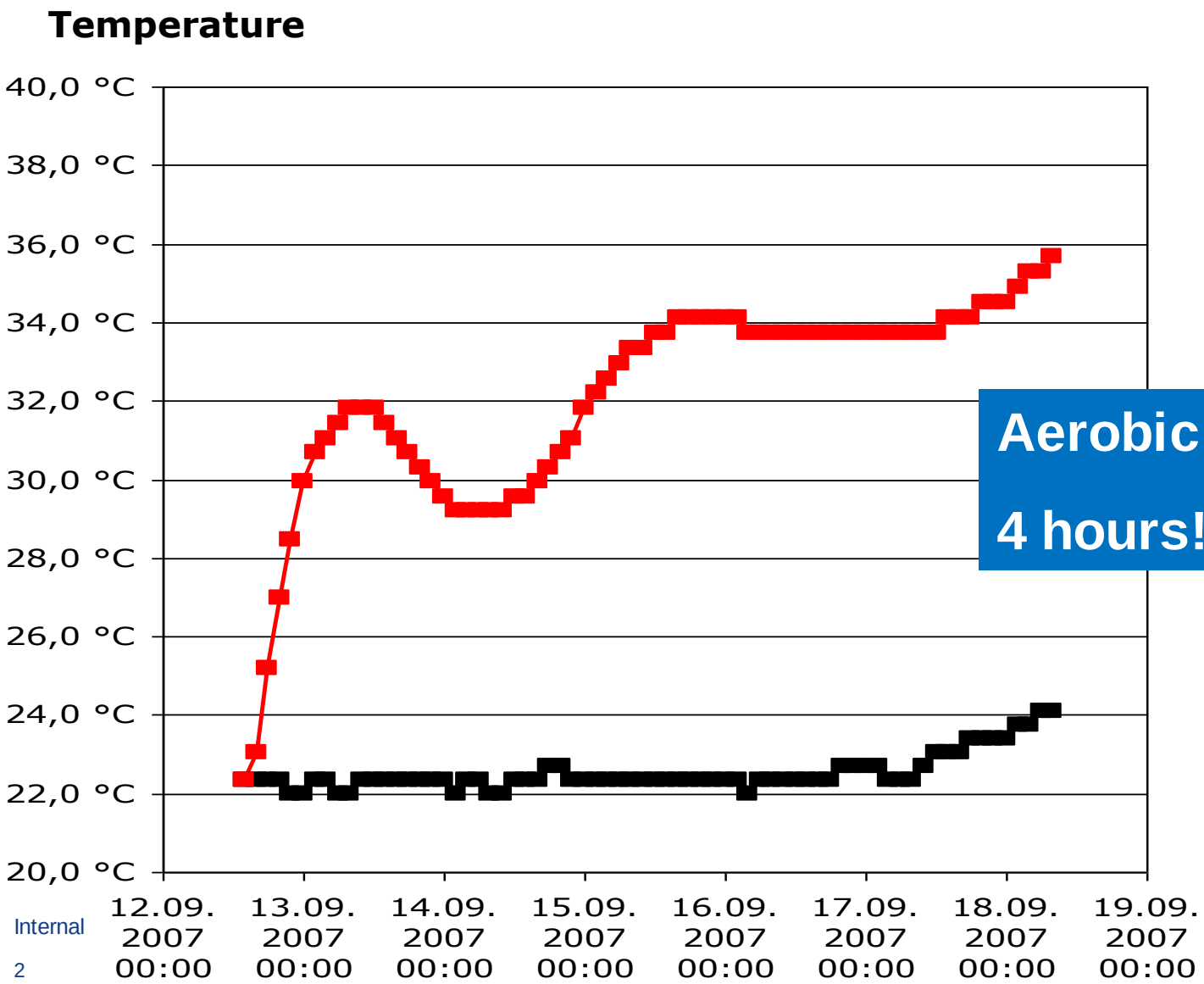
Dr. Horst Auerbach
Silage quality and evaluation




Typical temperature development during heating
Sorghum bicolor, DM 26%, 60 days fermentation



Aerobic stability:

4 hours!!!

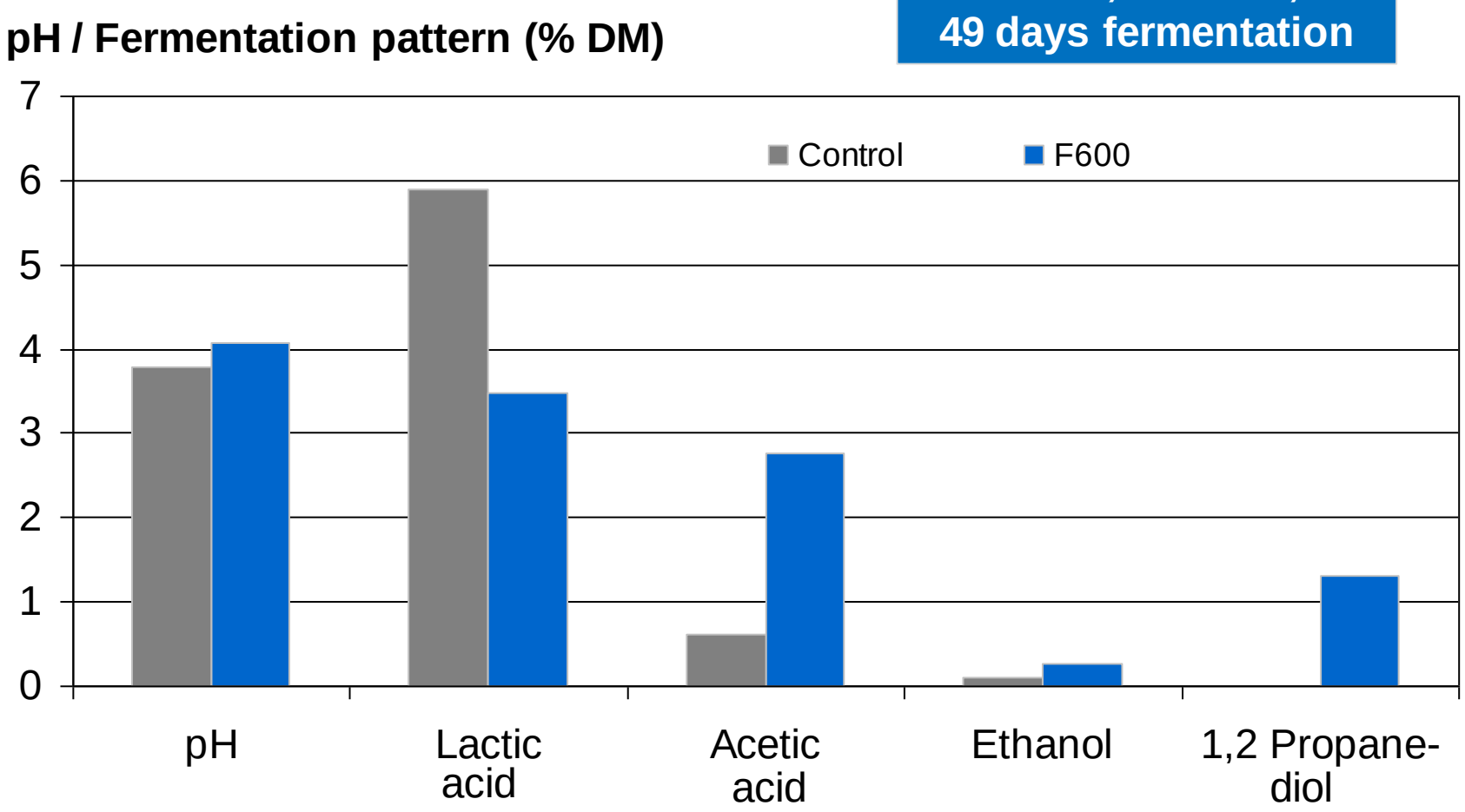
Feedtech F600 (KOFASIL® DUO)

Combination of homofermentative LAB (*L. plantarum* DSM 3676/3677) **AND** heterofermentative LAB (*L. buchneri* DSM 13573)

Inoculation rate: 100,000 cfu/g *L. plantarum* (50/50)
100,000 cfu/g *L. buchneri*
200,000 cfu/g total

Effects of Feedtech F600 on fermentation pattern of whole-crop maize silage

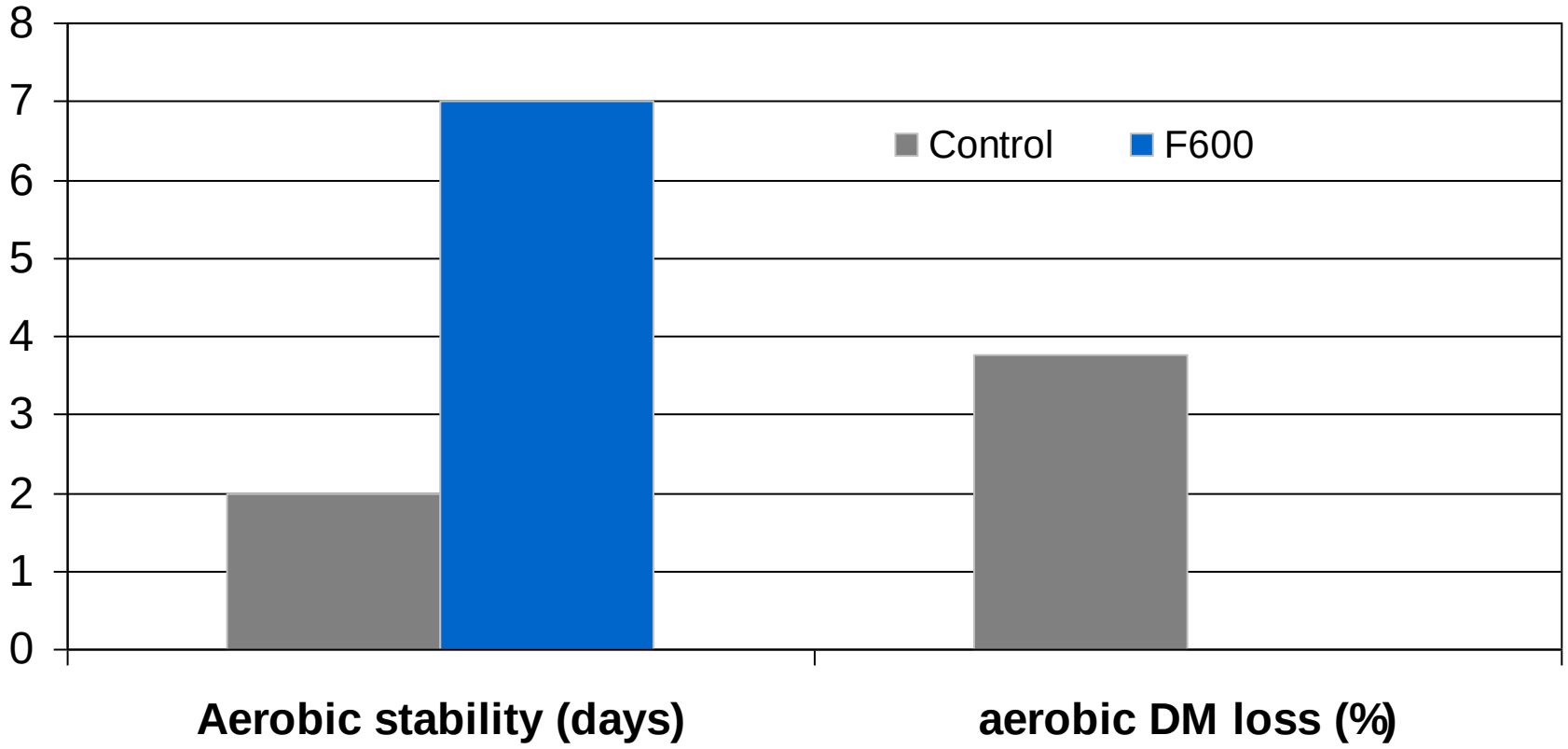
Maize, 40% DM;
49 days fermentation



(Reference: Chamber of Agriculture Lower Saxony, 2008)

Effects of Feedtech F600 on aerobic stability and DM losses of whole-crop maize silage

Maize, 40% DM;
49 days fermentation



(Reference: Chamber of Agriculture Lower Saxcony, 2008)

Trial whole-crop maize, Germany 2013

- **whole-crop maize harvested September 10, 2013**
- **85 days of fermentation with air ingress for 1 day on days 28 and 78**
- **DM 40.8%**

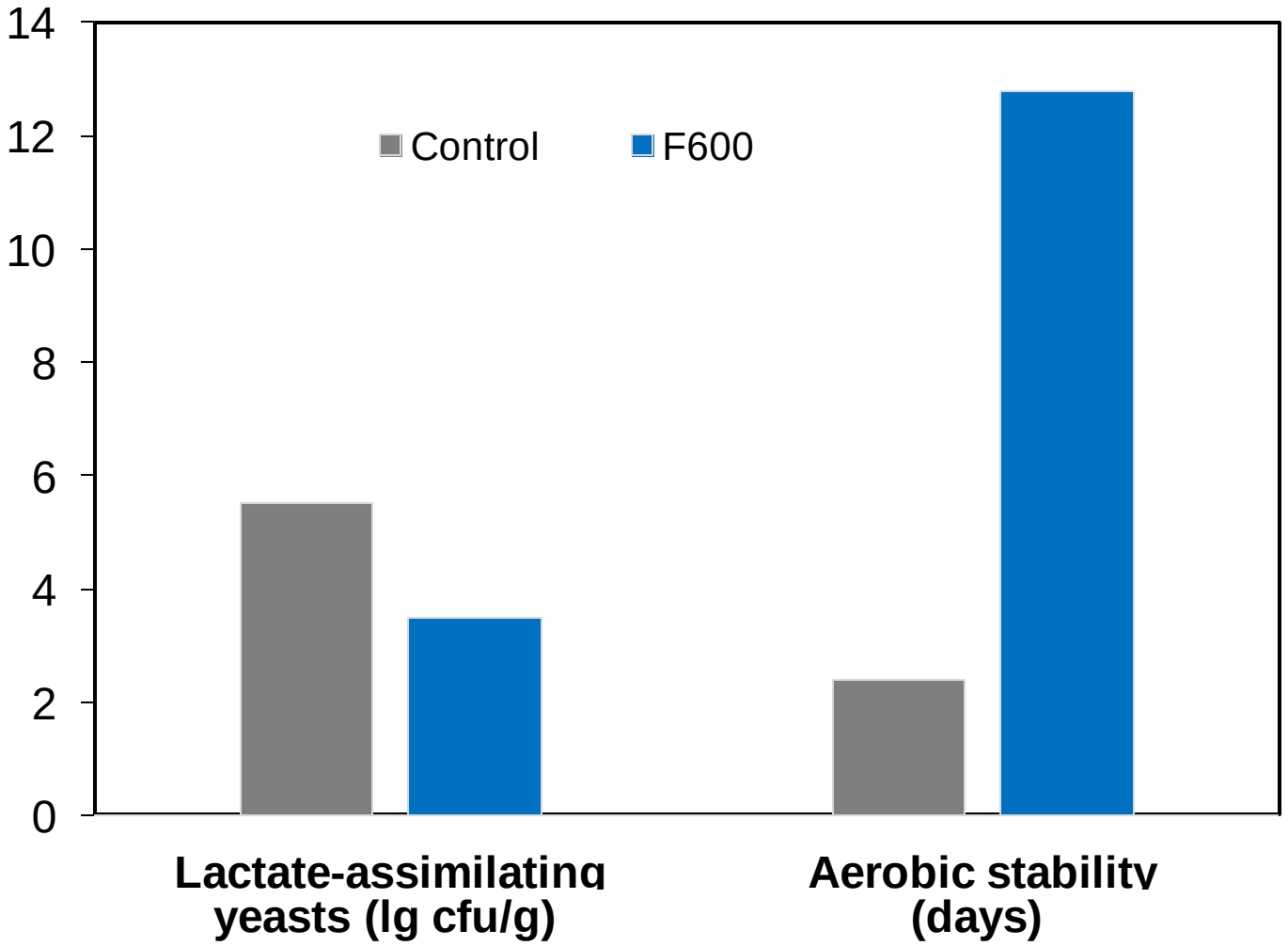
<u>Epiphytic microorganisms on fresh crop</u>

Lactic acid bacteria: 5.1×10^8 cfu/g

Yeasts: 1.8×10^7 cfu/g

Moulds: 1.0×10^6 cfu/g

Effetcs of F600 on aerobic stability
after 85 days of fermentation



(Reference: ADDCON/Humboldt University Berlin, 2013)