



PIONEER
BRAND • SEEDS

Inoculant – Technical fact sheet

Grass/lucerne/cereal silage inoculant with Rapid React™ Aerobic Stability

11G22



Pioneer® brand 11G22 is a grass/lucerne/cereal silage inoculant that improves the fermentation and increases the aerobic stability of silage.

- Contains a unique blend of patented strains of *Lactobacillus plantarum*, *Enterococcus faecium* and *Lactobacillus buchneri* to improve silage quality and provide desirable VFA profile for decreased fermentation loss and enhanced aerobic stability

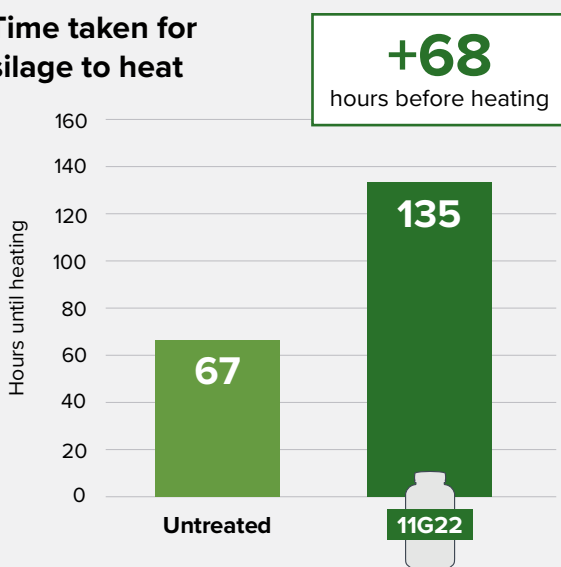
- Remains cooler for longer when exposed to air and in turn has less aerobic drymatter losses compared to a control group*
- Best option if looking to minimise stack and feedout losses

Pioneer® brand 11G22 inoculant was tested in 26 grass silage trials from 2000 to 2002. Testing was conducted in Europe and the North America. Multiple locations were used in these studies and drymatter ranges of the trials were from 26% to 45%.

Longer time until heating

Silage treated with 11G22 had an increased stability time of 68 hours which gives the option to feed out the silage earlier without the risk of it heating.

Time taken for silage to heat

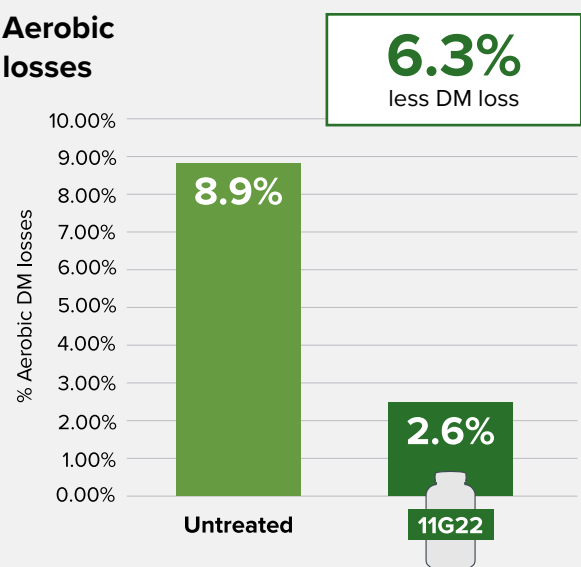


Source: Pioneer Hi-Bred (2002), Pioneer 11G22 Technical Manual. Significance level $P < 0.05$.

Reduced aerobic drymatter losses

Silage treated with 11G22 retained 6.3% more of the drymatter compared to the control group when exposed to air.

Aerobic losses



Source: Pioneer Hi-Bred (2002), Pioneer 11G22 Technical Manual. Significance level $P < 0.05$.

*Disclosure: Improved aerobic stability and reduced heating is relative to untreated silage. Actual results may vary. The effect of any silage inoculant is dependent upon management at harvest, storage and feedout. Factors such as moisture, maturity, chop length and compaction will determine inoculant efficacy.



Pioneer® brand seeds are produced and distributed in Australia by **GenTech Seeds**, a **Yates Family Business**