



PIONEER® BRAND
INOCULANTS

11H50



TECHNICAL FACT SHEET

Pioneer® brand 11H50 is a lucerne specific inoculant designed to reduce protein degradation and produce top quality lucerne silage for improved animal performance.

- Contains patented strains of *Lactobacillus plantarum* formulated to improve the ensiling process of lucerne and reduce the degradation of protein to the less valuable form of ammonia-nitrogen
- Speeds up fermentation and improves the drymatter recovery by saving more plant sugars, which are the most digestible carbohydrate in forages
- Elite option for lucerne silage making

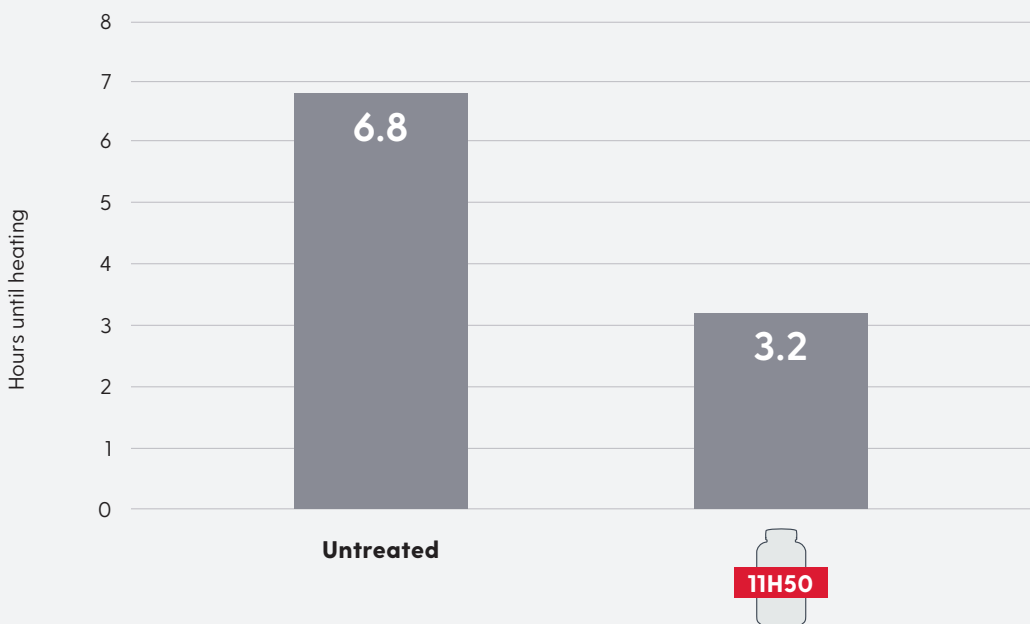
AVAILABLE
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IMPROVED SILAGE QUALITY AND A MORE EFFICIENT FERMENTATION

Fermentation quality was tested in the Pioneer Livestock Nutrition Centre. 11H50 treated silage showed less Ammonia-N, which indicates a lower protein breakdown in treated silage when compared to untreated.

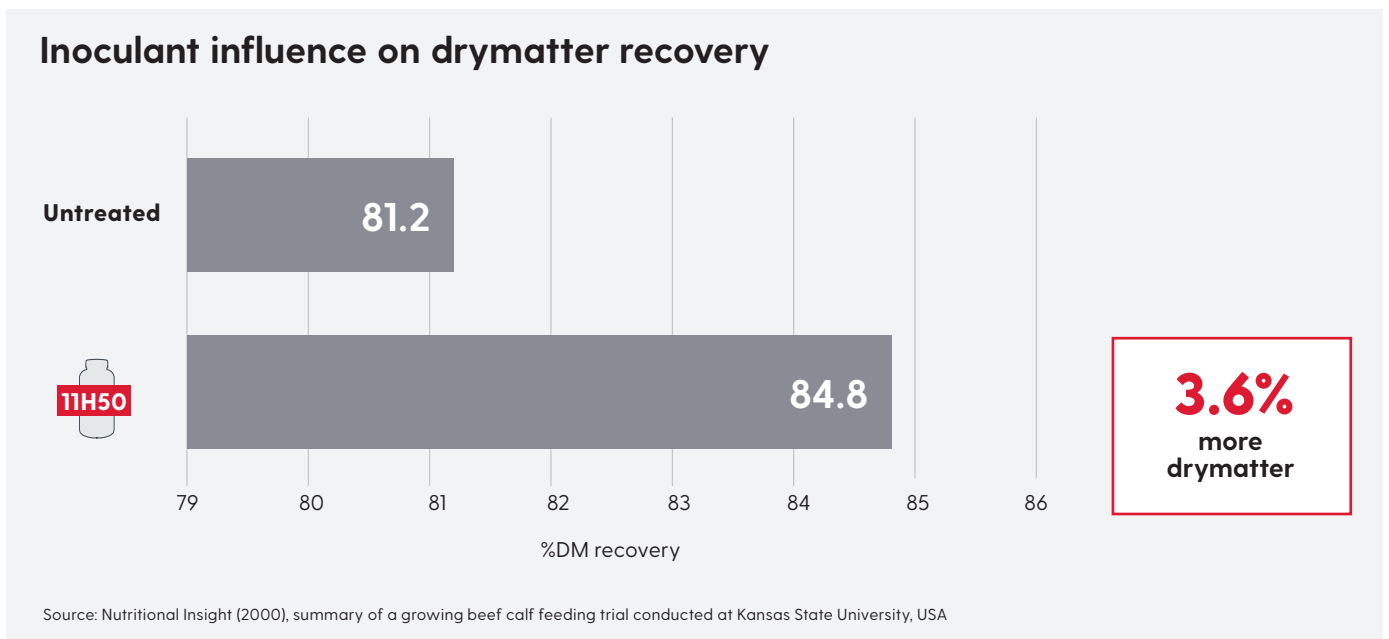
Inoculant influence on Ammonia-N



Source: Pioneer Livestock Nutrition Center; three trial summary

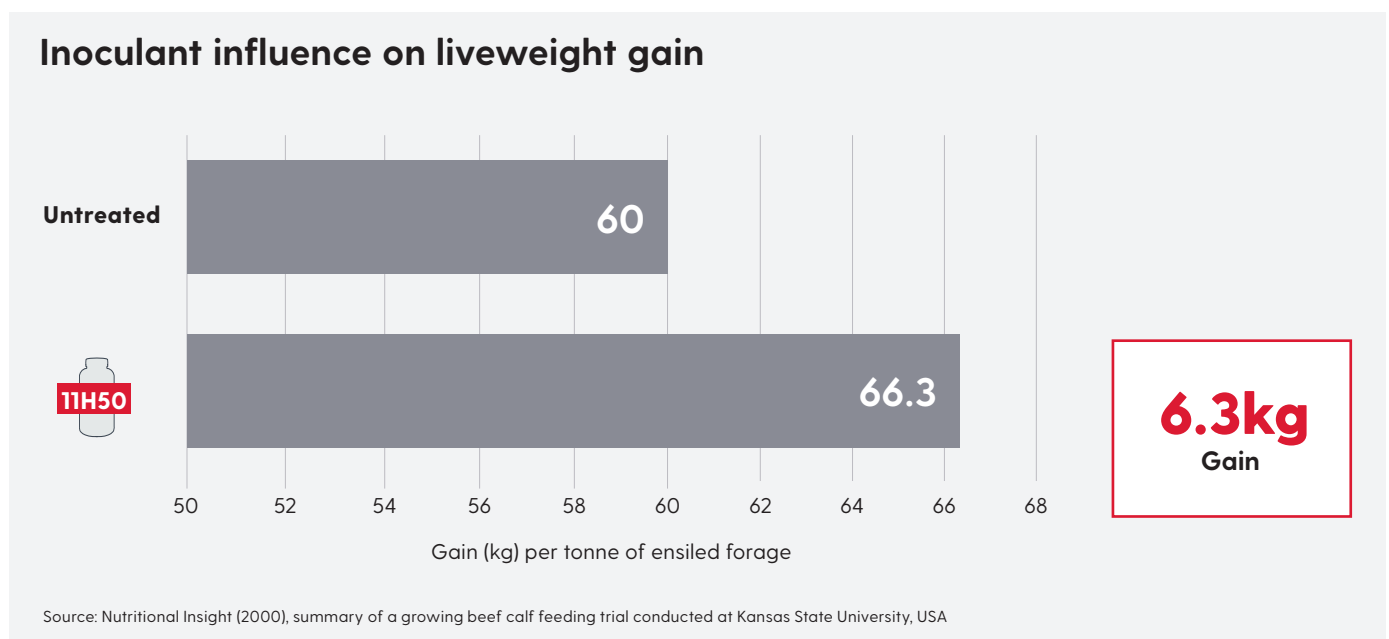
IMPROVED DRYMATTER RECOVERY

Drymatter recovery was recorded in different silages treated with 11H50 and a control group. The 11H50 silage had an increased drymatter recovery of 3.6%



INCREASED LIVESTOCK PERFORMANCE FROM INOCULATED LUCERNE

Twenty steer calves were allotted to treatments by weight and were fed in a 75-day growing trial. Animals were housed in individual pens with drymatter intake measurement on a daily basis. 11H50 treated lucerne silage resulted in 6.3 kg higher gain per tonne of silage fed.



See more at pioneer.co.nz/inoculants