

11XH4 MULTI-CROP SILAGE INOCULANT



Pioneer Brand 11XH4 is a multi-crop silage inoculant that contains specific strains of *Lactobacillus plantarum* and *Lactobacillus buchneri*. 11XH4 is suitable for use on forage intended for biogas production and is designed to:

- Improve speed and efficiency of fermentation
- Improve aerobic stability
- Reduce dry matter losses by 6% thereby increasing gas production per hectare

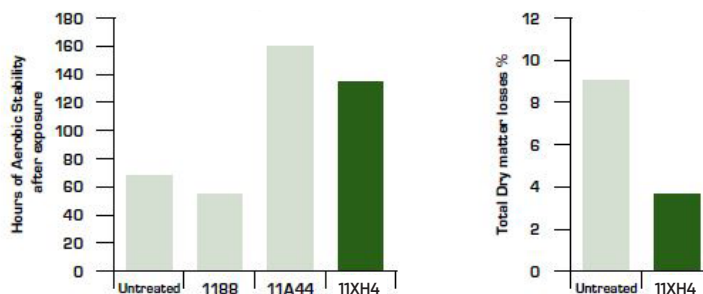
Benefits of using 11XH4

- Specially selected proprietary bacteria more efficiently create a silage fermentation profile that includes an increased level of acetic acid
- Increased acetic acid production improves biogas production as acetic acid is a precursor of methane production
- Significant reduction of silage heating and aerobic spoilage
- Increase in silage energy density that produces more biogas per kg of silage
- 11XH4 treated silages undergo faster hydrolysis in the fermenter resulting in quicker and increase gas production

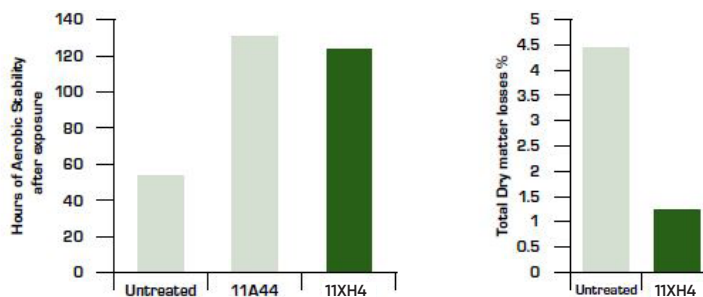
Silage Dry Matter recovery after treatment with 11XH4

	Control	11XH4	11XH4 advantage
Total dry matter recover	80	83.6	+3.6

Pioneer® Brand 11XH4 performance on Grass silage



Pioneer® Brand 11XH4 performance on Whole crop cereal silage



Multi-crop use:

