

Pioneer® brand 11C33

Corn Silage Inoculant



Pioneer® brand 11C33 is a corn silage inoculant designed to:

- Reduce heating, increase bunklife
- Improve silage quality providing low terminal pH and desirable VFA profile
- Improve animal performance over Pioneer® brand 1132

Available as a water-soluble product in packaging suitable for use in tank mixes or with the Pioneer Appli-Pro® Application Systems or as a free-flowing granular formulation for easy and convenient application.

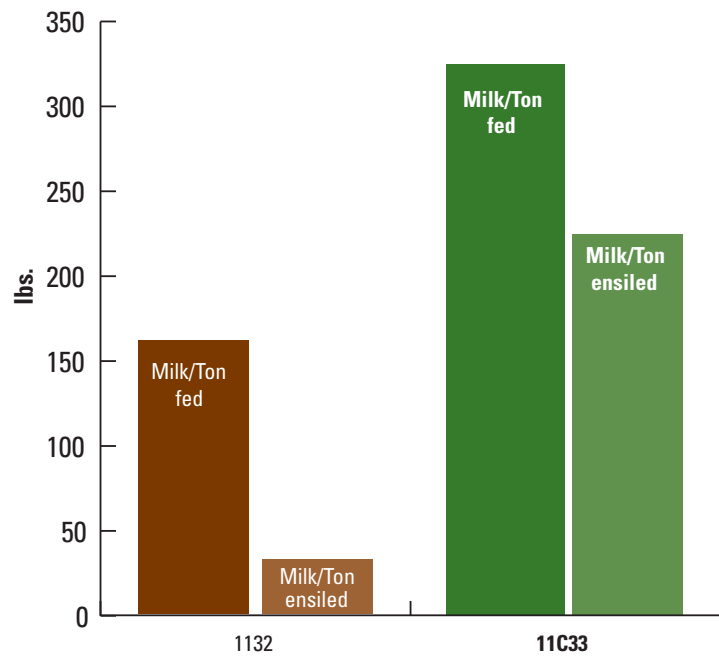
11C33 contains a unique blend of patented proprietary strains of *Lactobacillus buchneri*, *Lactobacillus plantarum* and *Enterococcus faecium* formulated to:

- Enhance fermentation in whole-plant corn silage, delivering an improved fermentation acid profile which helps to enhance aerobic dry matter recovery and preservation
- Minimize dry matter losses

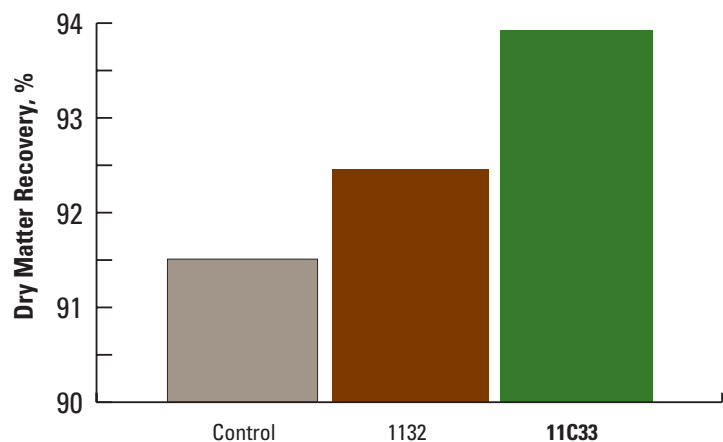
Available in Package Sizes:

**	Improves Fermentation
***	Enhances Bunklife
**	Improves Fiber Digestibility

Relative Ratings * = Good; ** = Excellent; *** = Outstanding, NA = Not Applicable. IMPORTANT: Information and ratings are based on relative comparisons with other Pioneer® brand inoculants within each specific crop, not competitive products. Information and ratings are assigned by DuPont Pioneer Forage Additive Research, based on average performance across area of use under normal conditions, over a wide range of both environment and management conditions, and may not predict future results. Product responses are variable and subject to any number of environmental and management conditions. Please use this information as only part of your product positioning decision. Refer to www.pioneer.com/inoculants or contact a Pioneer sales professional for the latest and most complete listing of traits and scores for each Pioneer® brand product. Fermentation – rate and extent of pH decline and the composition of fermentation acids occurring in silage. Bunklife – relative heat development compared to ambient temperature. Bunklife considers both how quickly silage begins to heat and the amount of heat generated while remaining above ambient temperature. Fiber Digestibility – the digestibility of neutral detergent fiber (NDF) by the ruminant animal expressed as a percentage of the total NDF.



Pioneer® brand 11C33 was compared to Pioneer brand 1132 in 10 ensiling trials. Silages were analyzed for nutrient composition and tested for *in situ* NDF digestibility. The result values were used to calculate the milk yield using Milk2000 (University of Wisconsin). Milk/ton silage fed was obtained directly from Milk2000. Milk/ton ensiled was calculated from milk/ton silage fed by taking account of dry matter recovery. The combined advantage of 11C33 over 1132 in performance and dry matter recovery from ensiling to feeding is equivalent to 128 lbs more milk/ton ensiled.



Total dry matter loss of whole-plant corn silage treated with Pioneer corn silage inoculants. Total dry matter loss is the sum of the dry matter loss during the anaerobic fermentation and that lost after exposure to oxygen under the specifications of the Honig model. Data was compiled from 47 trials.

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