

Pioneer® brand 1189 is designed to:

- Improve fermentation, retain nutrient content and enhance digestibility of ensiled high-moisture corn

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


1189 contains a unique blend of patented and/or proprietary strains of *Lactobacillus plantarum* and *Enterococcus faecium* formulated to:

- Help improve animal performance compared to control
- Help corn ferment faster to retain more energy
- Help the animal gain more on the same amount of feed, which indicates improved digestibility

Management Recommendations:

- Use in high-moisture corn, snaplage and high-moisture ear corn in upright, bunker or bag silos
- Should not be used for whole high-moisture corn unless stored in oxygen limiting structures

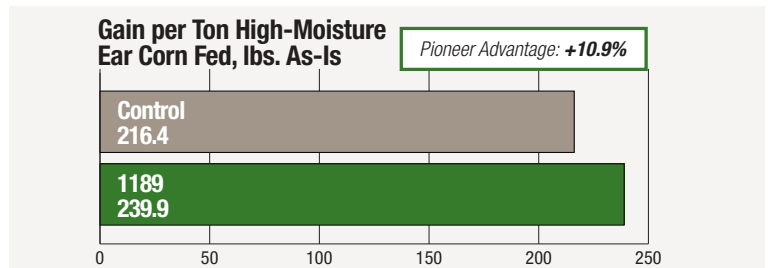
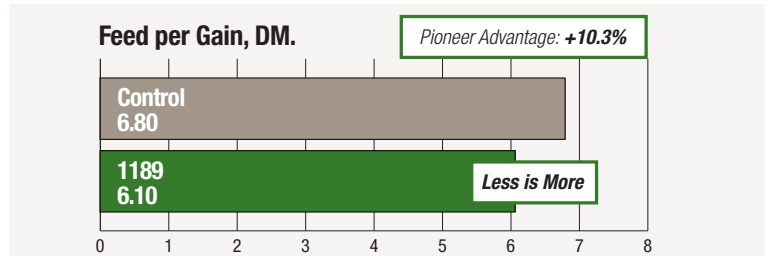
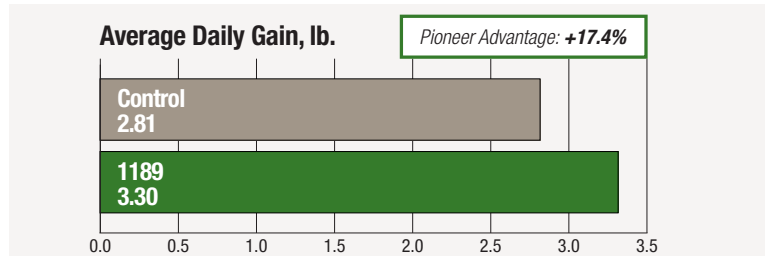
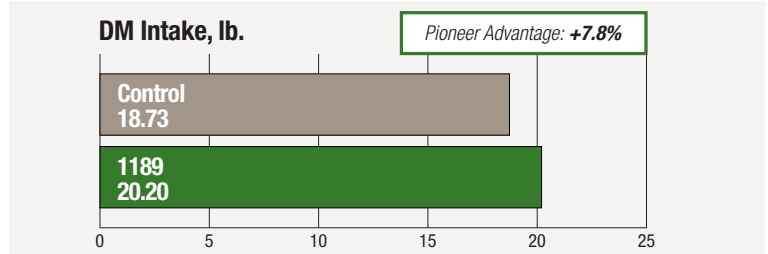
Available in Package Sizes:



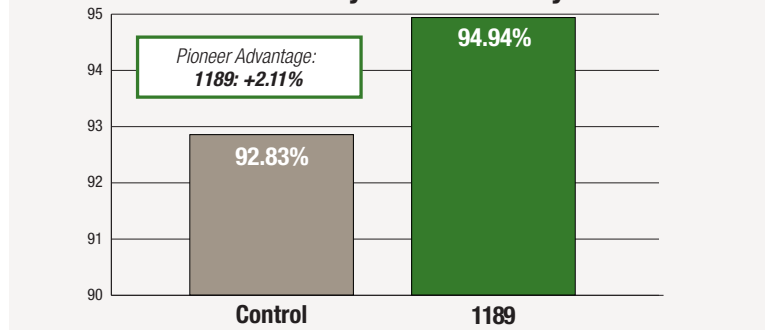
X	Improves fermentation and reduces dry matter loss
X	Improves nutrient conservation
	Significantly reduces heating on bunker/pile face
	Helps reduce heating in entire TMR
	Improves fiber digestibility

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 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.

Higher Average Daily Gain and Better Feed Efficiency in Beef Trials



Pioneer® brand Inoculant is Proven to Increase Dry Matter Recovery



Source: Pioneer, Iowa. Trial to test performance of steers fed uninoculated (Control) moisture ear corn and high moisture ear corn inoculated with Pioneer® Brand 1189 High Moisture Corn Inoculant (1189).

