

## Pioneer® brand 11AFT is a revolutionary patented alfalfa silage product designed to:

- Improve fiber digestibility
- Improve forage energy density to help reduce supplemental feed cost
- Improve alfalfa fermentation

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

11AFT contains a novel strain of *Lactobacillus buchneri* which:

- Produces specific fiber-digesting enzymes as it replicates in silage
- Reduces shrink and improves bunklife of the silage face during feedout

11AFT also contains a unique strain of alfalfa specific *Lactobacillus plantarum* formulated to:

- Stimulate “front-end” fermentation efficiency by rapidly dropping pH, helping to retain valuable nutrients (sugar)
- Reduce protein degradation

### • Help lower feed costs by reducing need for bypass protein supplementation

- Excellent choice for high-production animals fed high levels of alfalfa silage

Available in Package Sizes:

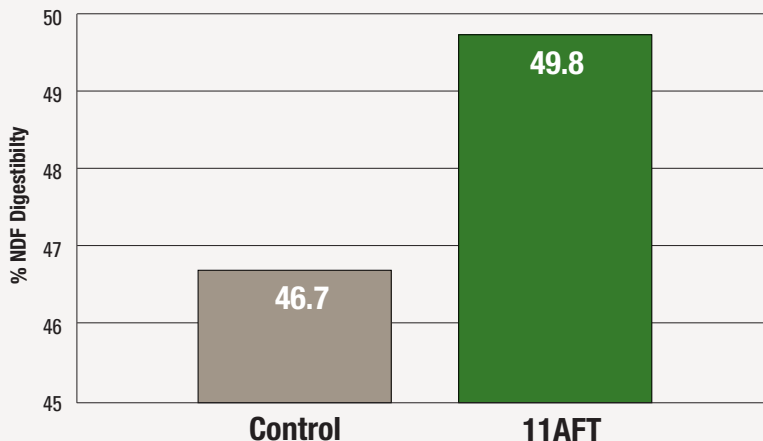


X	Improves fermentation and reduces dry matter loss
X	Improves nutrient conservation
X	Significantly reduces heating on bunker/pile face
X	Helps reduce heating in entire TMR
X	Improves fiber digestibility

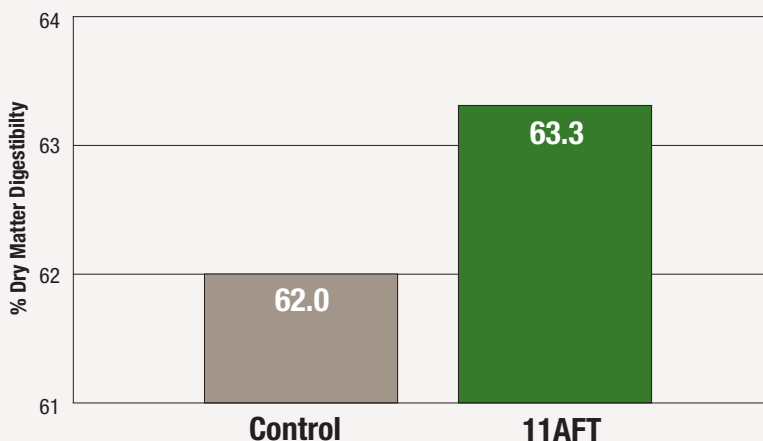
IMPORTANT: Information and ratings are based on relative comparisons with other Pioneer® brand inoculants within each specific crop, not competitive products. Information and ratings are assigned by Pioneer Forage Additive Research, based on average performance across area of use under normal conditions, 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](http://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.

## Animal research shows 11AFT is effective in improving NDF digestibility

### Fiber Digestibility Improvement with 11AFT



### Dry Matter Digestibility Improvement with 11AFT



**Chart 1: Source:** Pioneer Livestock Nutrition Center, Iowa. Summary of six trials (first and second cut alfalfa). *In situ* measurements were conducted on each silo using fistulated beef steers.

**Chart 2: Source:** Pioneer Livestock Nutrition Center, Iowa. First cut alfalfa silage lamb digestion using twelve replicate lambs per treatment.