

Pioneer® brand 11B91

High-Moisture Corn Inoculant



Pioneer® brand 11B91 is a high-moisture corn inoculant designed for:

- Non-hazardous biological solution to bunklife problems, avoiding the use of expensive, caustic acid products
- Improving fermentation, retaining nutrient content and enhancing digestibility of ensiled high-moisture corn
- Use in high-moisture corn, snaplage and high-moisture ear corn in upright, bunker or bag silos

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.

11B91 contains a unique blend of patented proprietary strains of *Lactobacillus buchneri* and *Lactobacillus plantarum* formulated to:

- Help high-moisture corn stay fresher and cooler in the storage structure and the feedbunk
- Improve bunklife in slow-fill or slow-feedout situations
- Use on high-moisture shelled corn, high-moisture ear corn, and snaplage, 11B91 is nearly as effective at prolonging aerobic stability as 10 lbs. propionic acid/ton and is more economical and safer to use
- Preserve nutritional quality by reducing nutrient losses to spoilage and heat-causing organisms

Trials show that 11B91 results in a 3% unit total reduction in dry matter loss (shrink) when considering the entire fermentation process; from initial pH decline to removal and feeding.

Available in Package Sizes:

***	Improves Fermentation
***	Enhances Bunklife
N/A	Improves Fiber Digestibility

pH and Aerobic Stability Trials

Inoculated and Untreated High-Moisture Corn

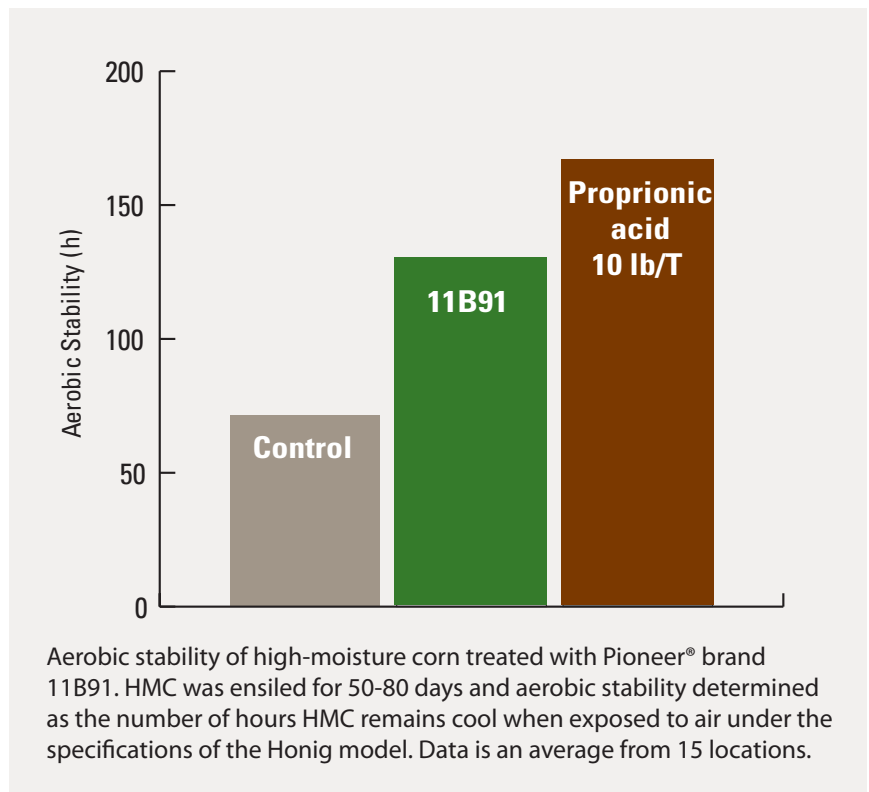
Item	Control	11B91
Dry Matter %	77.5	77.5
pH	4.81	4.73
Aerobic Stability in hours	71.5 ^a	128.8 ^b
DM Loss, %	1.10 ^b	.32 ^a

¹ Time in hours for silage to rise 1.7C above ambient

^{a,b} Means within a row with different superscripts differ (P ≤ .05)

Data is an average of 15 locations

Specific trial data available upon request



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.



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