Pioneer® brand 11C33 is a corn silage inoculant with next-generation *L. buchneri* designed to:

- Reduce heating, increase bunklife
- Improve silage quality providing low terminal pH and desirable VFA profile

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.

11C33 contains a unique blend of patented and/or proprietary strains of *Lactobacillus buchneri* and *Lactobacillus plantarum* 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

Includes Rapid React® aerobic stability technology. This provides improved bunklife and stable feed in 7 days.*

**Ph and Aerobic Stability Trials**

<table>
<thead>
<tr>
<th>Item</th>
<th>Control</th>
<th>11C33</th>
</tr>
</thead>
<tbody>
<tr>
<td>DM, %</td>
<td>41.8</td>
<td>43.17</td>
</tr>
<tr>
<td>pH</td>
<td>3.87</td>
<td>3.9</td>
</tr>
<tr>
<td>DM recovery, %</td>
<td>95.4^a</td>
<td>99.07^b</td>
</tr>
<tr>
<td>Aerobic stability, hrs</td>
<td>42^a</td>
<td>140^b</td>
</tr>
<tr>
<td>DM loss, %</td>
<td>3.76%^b</td>
<td>0.35%^a</td>
</tr>
</tbody>
</table>

**Shrink Loss in Corn Silage**

11C33 also reduces shrink losses during feed out

**Treatment Effects on Bunklife When Subjected to Air**

11C33 remains cool for much longer when exposed to air

* Disclosure: Improved aerobic stability and reduced heating is relative to untreated silage. Actual results may vary. The effect of any silage inoculant is dependent upon management at harvest, storage and feedout. Factors such as moisture, maturity, chop length and compaction will determine inoculant efficacy.

**Source:** Pioneer Livestock Nutrition Center, Iowa. Summary of two trials. Dry matter recovery, aerobic stability, and nutrient composition were determined for uninoculated (Control) corn silage and for corn silage inoculated with Pioneer® brand 11C33 Corn Silage Inoculant (11C33).

1 All values are expressed as least squares means
2 Dry matter loss as measured during the aerobic stability test.
3 Treatment means in same row without a common superscript letter differ (P < .05).

Pioneer® brand products are provided subject to the terms and conditions of purchase which are part of the labeling and purchase documents.