For Better Silage

A Comparison of how **Culbac® Silage Treatment** stacks up against **Live Inoculants**

	Culbac Silage Treatment®	Live-microbial Inoculants
Dependability	Culbac® Silage Treatments work by stimulating beneficial bacteria that are native to the crop plant and are already adapted to localized conditions.	Live-microbial silage inoculants introduce strains that are often alien to a specific crop and the local environment, hindering their ability to survive much less match the performance of indigenous microflora.
Shelf-life	Since Culbac® Silage Treatments is an abiotic, it can't die or mutate during storage. This enables them to have a longer shelf life without the need for refrigeration or special storage conditions.	Live-microbial silage inoculants are only as good as long as the bacteria in them remain viable. This means they have a much shorter shelf life and require special storage conditions.
Application	Application rates for Culbac® Silage Treatment are low. Culbac® Silage Liquid should be applied at the rate of 1.3 fluid ounces per ton while Culbac® Silage Dry needs only 3.2 ounces per ton of silage.	Application rates for live-microbial silage inoculants can vary from only a few grams per ton up to a pound or more product per ton of silage.
Efficacy	Side-by-side research studies[1] have proven that Culbac® Silage Treatment helps produce a robust anaerobic fermentation that preserves silages as well and often better than live-microbial inoculants	Live-microbial inoculants can be effective at preserving silages under the right conditions of storage and usage.

And the winner is…Culbac® Silage Treatment! For reliable silage preservation, Culbac® Silage Treatments are an effective and economical alternative to live microbial inoculants.

References: [1] Leahy KT, Barth KM, Hunter PP and Howard DD (1985) Effect of Silage Additives on Total Dry Matter Loss and Heifer Performance, University of Tennessee (F13); -- (1983) Culbac® Compared with an Inoculant as a Silage Preservative, Mississippi (SL5).

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Naturally Effective Solutions

LF-03-002 REV 1-16

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