

Higher feed efficiency. The trials prove it.

NutriDense® Silage is nutritionally enhanced corn silage developed specifically for efficient milk production. With fiber quality providing energy from the whole plant, not just the grain, NutriDense Silage balances digestibility with rumen function.

With NutriDense Silage, BASF Plant Science has developed corn silage hybrids that provide dairy producers with the improvement in feed efficiency (FE) and income over feed costs (IOFC) they need to aid in herd profitability.

University trials demonstrate a 4-8% improvement in NutriDense Silage over dual purpose and brown midrib (BMR) hybrids. What does 4-8% more FE mean? In terms of dollars: assuming a herd FE value of 1.6 on a 1,000 cow dairy, a 6% improvement (0.1 change in FE) translates to a 34 cent per cow per day advantage, or \$124,000 annually.¹

BASF Plant Science – a BASF group company – is one of the world's leading companies providing innovative plant biotechnology solutions for a growing population. At the forefront in meeting the world's demand for more and better food, feed, and renewable resources, BASF Plant Science has an unparalleled gene discovery platform focusing on yield and quality traits.

What is NutriDense Silage?

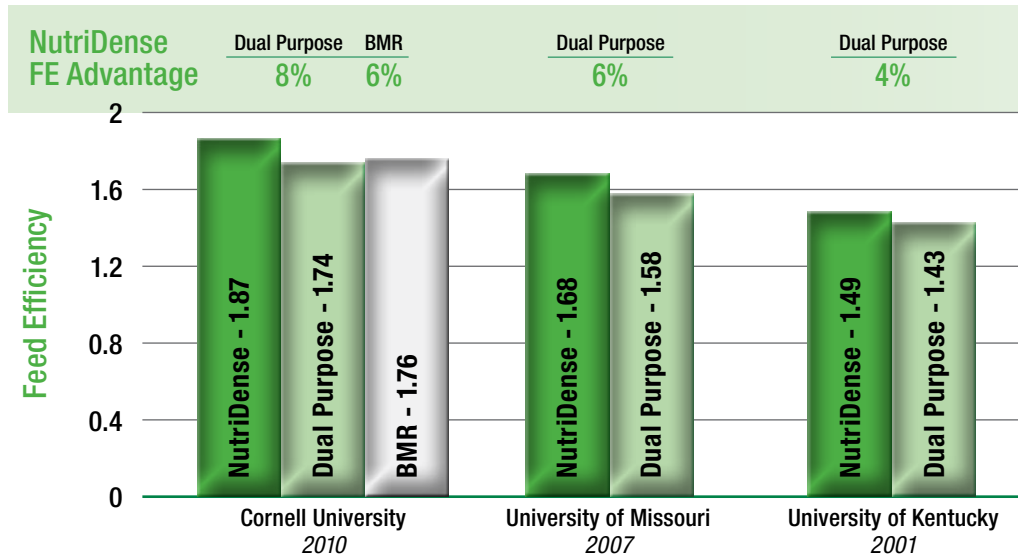
- High-quality, nutritionally enhanced corn silage
- Developed specifically for efficient milk production
- Yields equal to or greater than dual purpose
- Yields greater than BMR
- Balance of digestibility and rumen function

Get an edge with NutriDense Silage.

- Excellent tonnage
- Higher protein content
- Improved rumen function
- 4-8% improvement in FE
- IOFC advantage



NutriDense® Silage offers a significant feed efficiency advantage.



CORNELL² – Cornell University trial results indicate that FE (3.5% fat corrected milk (FCM)/kg dry matter intake) was significantly higher for cows fed NutriDense Silage (1.87) compared with BMR (1.76) or dual purpose (1.74) rations (P<0.002).

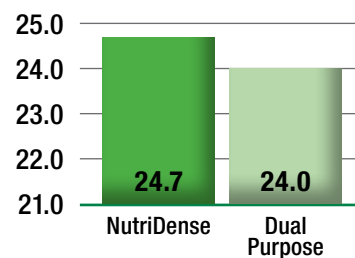
MISSOURI³ – Trial demonstrated NutriDense Silage improved production of volatile fatty acids (VFAs) by 13%, a direct indicator of increased fiber digestibility and improved rumen function. A 6% improvement in 3.5% FCM FE was observed in cows fed NutriDense Silage when compared to the dual purpose hybrid fed.

KENTUCKY⁴ – Study demonstrated cows fed NutriDense Silage improved 3.5% FCM FE by 4% compared to the dual purpose hybrid fed.

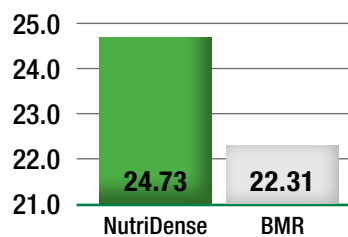
Strong yield advantage with NutriDense.

NutriDense Silage offers dairy producers a strong yield advantage compared to BMR and dual purpose hybrids. Across approximately 430 silage yield trials, NutriDense Silage increased milk per acre production by 3,110 lbs./predicted milk versus BMR. Compared to dual purpose hybrids, NutriDense Silage increased milk per acre production by 213 lbs./predicted milk.^{5,6} NutriDense Silage has demonstrated yield parity against dual purpose hybrids across yield trials conducted from 2008 to 2010.

NutriDense vs. Dual Purpose
(Tons per Acre)



NutriDense vs. BMR
(Tons per Acre)



To learn more about NutriDense corn silage, contact your local seed representative, call BASF at 800-233-8942 or visit www.nutridense.com/dairy. A list of our seed partners is available on our website.

¹ Hutjens, Michael. 2010. *Lessons learned with low milk prices*. 2010 NEAFA Dairy Nutrition Conference, Albany, NY. pg. 20.

² Chase, L.E. 2010. *Milk production and feed efficiency in dairy cows fed corn silage hybrids varying in fiber digestibility*. 2010 JAM, Denver CO; July 11-15, 2010. Abstract #813.

³ Sampson, J.D. and Spain, J.N. 2007. *Use of NutriDense corn for corn and corn silage in diets fed to high-producing dairy cows*. J. Anim. Sci. Vol. 85, Suppl. 1/J. Dairy Sci. Vol. 90, Suppl. 1. pg 556.

⁴ Akay V, Jackson JK Jr. *Effects of NutriDense and waxy corn hybrids on the rumen fermentation, digestibility and lactational performance of dairy cows*. J Dairy Sci. 2001;84:1698-1706.

⁵ Milk/acre calculations based on MILK 2006.

⁶ Data collected from BASF Plant Science and University trials from 2008 to 2010.

Note: Your results may vary. Information provided is based upon the data in our possession. While we believe our data to be correct, you must make your own examination because many factors not under BASF Plant Science control are involved in the performance of NutriDense products. Accordingly, BASF Plant Science accepts no liability for any particular result, and provides NutriDense products WITHOUT ANY WARRANTY, EXPRESSED OR IMPLIED, WITH RESPECT TO THE MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR USE.