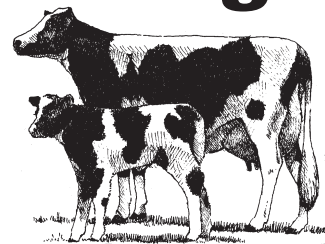


Dairyman's Edge®



These studies confirm the cause/effect Dairyman's Edge® consistently displays in dairy herds from the Northeast to the Upper Midwest. Dairyman's Edge® causes significant improvements in carbohydrate (ADF & NDF) digestion, as well as sustainable reductions in the solids and proteins in the manure. The effect is found in increased levels of milk production at an average cost of only \$0.07 per head per day.

If you are interested in maximizing the value of your feedstuffs and improving herd performance, call us at:

(800) 888-5688

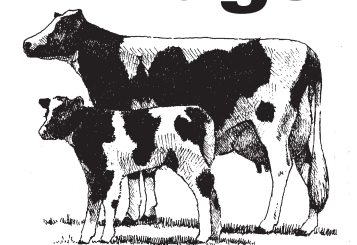


Easton, MD 21601
www.papillon-ag.com



Dairy Feed or Fertilizer?

Dairyman's Edge®



...the world's leading ProNutrient





Photo courtesy of Penn State's Dairy Cattle Nutrition Group

Feed Is Expensive Fertilizer

Dairyman's Edge®



Every dairyman knows that the cost of feed is a major factor in the profitability of milk production. Making sure that cows are getting the most nutrients out of the feed provided is a critical part of managing a herd for top efficiency. Dairyman's Edge® helps cows get more out of the feed they consume and leaving less to be spread as fertilizer.

Grain particles and poorly digested fiber in the manure are sure signs that cows are not utilizing feed as well as they should. However other nutrients, such as protein, cannot be visually examined to determine if they are being digested thoroughly and require a laboratory analysis.

How can a dairyman assure himself that his herd is maximizing feed utilization? Management, of course, plays a big role. Reducing stress, plenty of good clean water, high quality feed and forage are the first obvious steps. The goal is to optimize conditions that will allow cows to capture as many of the total nutrients in their gastrointestinal tract and reduce the amount of nutrients that end up on the barn floor.

Dairyman's Edge® is currently helping thousands of dairy producers increase feed utilization and maximizing cow performance. University studies and controlled on-farm research has demonstrated that cows fed Dairyman's Edge® produced more milk, and had significantly less solids, protein, and fiber in their manure. This was true even when the same cows were fed yeast culture or a live yeast product. In the following studies Dairyman's Edge®:

- Reduced Solids in manure by an average of 5.15%
- Reduced Protein in manure by an average of 9.16%
- Reduced ADF in manure by an average of 5.76%
- Reduced NDF in manure by an average of 8.34%
- Increased milk production by an average of 2.1 lbs.

When it Comes to Nutrients in Manure - LESS is Better.



Delaware Valley College

	Control Average	Dairyman's Edge Average	Dairyman's Edge % Reduction
Solids %	21.60	21.05	2.55%
Protein %	3.85	3.25	15.58%
ADF %	.32	.30	6.25%
NDF %	14.70	12.75	13.27%
Milk Production (lbs)	78.25	80.25	2.0 lbs

*Dairyman's Edge was fed (1 oz./per head per day) against a negative control for twenty days

Michigan Dairy

	Control Average	Dairyman's Edge Average	Dairyman's Edge % Reduction
Solids %	14.45	14.09	2.49%
Protein %	2.57	2.35	8.56%
ADF %	4.24	4.10	3.30%
NDF %	6.68	6.54	2.10%
Milk Production (lbs)	81.7	83.7	2.0 lbs

*Dairyman's Edge fed (1 oz./per head per day) following Diamond V XP yeast culture (2 oz./per head per day) for twenty days



Ohio Dairy

	Control Average	Dairyman's Edge Average	Dairyman's Edge % Reduction
Solids %	19.65	18.05	8.14%
Protein %	2.99	2.66	11.04%
ADF %	3.94	3.87	1.78%
NDF %**	-	-	-
Milk Production (lbs)	73.0	73.85	0.85 lbs ***

*Dairyman's Edge was fed (1 oz./per head per day) against a negative control for twenty days

**Testing error in NDF data at Ohio Dairy

***Dairy switched from haylage to oatlage during the study

Pennsylvania Dairy

	Control Average	Dairyman's Edge Average	Dairyman's Edge % Reduction
Solids %	14.68	13.59	7.43%
Protein %	2.73	2.69	1.47%
ADF %	4.10	3.62	11.71%
NDF %*	6.42	5.80	9.66%
Milk Production (lbs)	94.6	98.0	3.4 lbs

*Dairyman's Edge was fed (1.35 oz./per head per day) in conjunction with Western Yeast (1/2 oz./per head per day) following Western Yeast (1/2 oz./per head per day) for twenty days.

