



Evaluation of the AminoMax in Mid-Lactation Diets

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AminoMax is a blend of canola meal and soybean meal. The important feature of this technology is that incoming ingredients are analyzed on a continuous basis, and all ingredients are processed separately to attain the desired end point. Using this patented technology insures that AminoMax is consistent from load to load.

The blend of canola meal and soybean meal used in the preparation of AminoMax was selected to insure that the Amino acid needs of dairy cows are met under most situations. This study was conducted at the Wm. H. Miner Institute to compare the blend to the basic ingredients after they had been treated by the AminoMax process.

Cows were on the respective diets for 28 days immediately after a 14 day adjustment period. Results are provided in the Table below.

Effects of the AminoMax Blend Vs. AminoMax components in cows past peak production:

Measurement	Treated Soybean Meal	Treated Canola Meal	AminoMax Blend
Percent of dry matter	4.77	4.77	4.77
Dry matter intake, lb	58.6	60.4	59.9
Diet crude protein	15.8	15.6	15.5
Milk yield, lb	46.3 ^a	47.0 ^a	48.5 ^b
True protein yield, lb	1.33 ^a	1.39 ^b	1.42 ^b
Milk fat yield, lb	1.64 ^a	1.66 ^a	1.75 ^b
Body weight change, lb/day	-0.08 ^a	+0.71 ^b	+1.65 ^c

Treatments with different superscripts are significantly different (P<0.05)

Milk yield was highest with the AminoMax blend, relative to the two components alone. The blend also supported the highest level of protein and fat yield. Importantly, body weight gain was highest with the AminoMax blend, and lowest with the treated soybean meal. Weight gain after peak production has been shown to be instrumental in allowing cows to get pregnant.