



The AminoMax Digest

The Future of Amino Acid Nutrition.

Spring 2014

In this issue

Cornell researchers refine method for estimating RUP.

Whitman's Feed helps producers improve milk components.

Afgriotech plant expands to meet increased demand for bypass protein.

Feature Article



See how Whitman's Feed is helping producers improve milk components with AminoMax® Pro!

What is AminoMax®?



AminoMax is a unique bypass protein source made from canola and soy meal

Cornell researchers refine method for estimating Rumen Undegradable Protein.

Research now underway at Cornell University might soon change the way laboratories evaluate indigestible protein, or what has been the 'C' fraction in feed and forage, according to Mike Van Amburgh, a professor with Cornell's Department of Animal Science.



In the process, researchers refined a method for more accurately estimating rumen undegradable protein (RUP) and intestinal digestibility in very fine-particle feedstuffs like AminoMax® Pro. The RUP fraction is typically evaluated using *in situ* methods, which involves placing feed samples in bags within the rumen of cows. However, fine-particle feedstuffs designed to remain suspended and protected in the rumen can pass through the *in situ* bag and be lost to analysis, which biases the estimation.

To improve testing accuracy, researchers have developed a repeatable *in vitro* assay to standardize the procedure, reduce particle loss and provide a more reliable evaluation of intestinal protein digestion with the undigested portion representing the unavailable or C fraction.

The new methodology will soon be adopted by Cumberland Valley Analytical Services and other commercial analytical laboratories to estimate RUP and RUP intestinal digestibility in feed and forage samples.

Afgriotech plant expands to meet increased demand for bypass protein.

A highly controlled manufacturing process with 400 sensor checkpoints reduces the particles to a very fine, uniform size, allowing them to remain suspended and protected in the rumen. The result is consistently high levels of bioavailable lysine, methionine and other essential amino acids.

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Afgritech, LLC in Watertown, NY, manufacturer of AminoMax® Pro, recently underwent a five-month, 4,000-square-foot expansion that will greatly increase the plant's production capacity. The expansion was necessary to keep

pace with increasing demand from dairy farmers and feed mills for AminoMax Pro, according to Plant Manager Harry Rozanski, shown here giving a tour to local officials (Photo: Watertown Daily Times).

In addition to increasing production, Afgritech added six 100-ton silos to its 14 grain bins, and reduced average truck-loading time from 40 to 20 minutes, allowing mills and nutritionists to meet customer demands even faster. Distribution of AminoMax Pro is currently limited to the Northeast U.S., but increased volume may allow the product to be available to dairy operations in other markets, including Canada.

Can your plant-based bypass protein pass this important test?

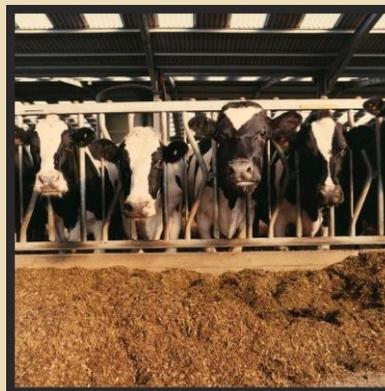
1. Is it manufactured using more than 400 checkpoint sensors?

2. Is it based on a controlled process, not a mechanical by-product?

3. Is it 100% animal protein-free?

4. Does it maintain consistent bioavailability for plant-based amino acids like lysine and methionine?

5. Is it manufactured locally, in the northeast United States?



Want to know more?

For more information about a plant-based bypass protein source that meets all these criteria *and more*:

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