



Vitamin B3 Improves Animal Health, Growth and Feed Efficiency, and Performance

Vitamin B3 is essential to healthy animal nutrition. Supplementation with vitamin B3 as niacin (nicotinic acid) or niacinamide (nicotinamide) helps animals metabolize feed to increase nutrient absorption and conversion to energy. Vertellus Agriculture and Nutrition Specialties is the leading global manufacturer of the raw materials for vitamin B3 and a leading supplier of vitamin B3 nutrition products for animal, human, and pharmaceutical applications. The Vertellus Agriculture and Nutrition Specialties business has extensive experience in the science of vitamin B3 supplementation into animal feed.

Feed Grade Niacin and Niacinamide

The amount and bioavailability of vitamins in animal feed is generally insufficient to fully nourish livestock. Therefore, supplementing with vitamin B3 is essential.

Deficiencies in vitamin B3 can be devastating to animals, resulting in decreased feed intake, retarded growth, weakness, and digestive tract disorders. In poultry the symptoms of malnutrition can include poor feathering, perosis, and black tongue. Niacin-deficient pigs may develop ulcerative necrotic lesions in the gastro-intestinal tract, resulting in diarrhea and bacterial infection. Providing monogastric livestock with added vitamin B3 protects and promotes health of mucous membranes, central nervous system, skin, bones and joints.

The following examples support the use of vitamin B3 supplementation for animal nutrition.

Animal Health: In ruminants, increased levels of vitamin B3 improve digestive tract health.

Growth and Feed Efficiency: Pigs fed with dietary vitamin B3 show increased gain-to-feed and pork quality; Vitamin B3 supplementation in chickens improves weight gain and feed utilization.

Performance: In early-lactating dairy cows, dietary Niacin increases milk production via increased amounts of coenzymes NAD and NADP.

A Great Value with Proven Results

Vitamin B3 supplementation for animal nutrition produces a more complete diet that improves growth and feed efficiency and overall health. Vitamin B3 activity is essential for healthy animal metabolism and supplementation adds value to your feed program with proven results.

Certification(s): FAMI-QS



NUTRITION

Available Grades and Package Sizes

Niacinamide Feedgrade	Granule	25 kg bag
Niacinamide Feedgrade	Granule	500 kg bulk bag
Niacinamide Feedgrade	Granule	900 kg bulk bag
Niacinamide Feedgrade	Granule	1000 kg bulk bag
Niacin Feedgrade	Granule	25 kg bag
Niacin Feedgrade	Granule	900 kg bulk bag

Vertellus is a specialty chemicals company focused on the manufacture of ingredients used in pharmaceuticals, personal care, nutrition, agriculture, and a host of other market areas affected by trends favoring “green” technologies and chemistries. Vertellus is the leading global producer of pyridine and picolines, specialty pyridine derivatives, DEET, castor oil derivatives and systems, and citrate polymer additives and systems, and a world leader in Vitamin B-3. Vertellus benefits from a technically advanced global manufacturing base and is a reliable, secure vitamin B3 supplier with backward integration to key raw materials.

For more information contact a Vertellus representative at

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