

Nutriferm V+

Dried feed made from the evaporation and drying of concentrated fermentation metabolites

AB MAURI



Introduction:

Benefits of feeding Nutriferm V+:

- · Economical source of energy and protein
- Excellent source of essential minerals
- · Enhances the diet of all animal, especially ruminants
- ·Valuable source of unique fermentation metabolites
- Reduces the overall formulation costs of manufactured feed for all species
- Prebiotic properties
- \cdot Effective carrier for other micro-ingredients in a premix

Process:

- A very natural product derived from fermentation technology: · Many valuable metabolites are gained during the yeast
- fermentation process • These unique metabolites are separated from the yeast
- The contents are concentrated through gentle evaporation and drying
- The product can be used in its simple form, with a dry matter of 92%
- An ideal ingredient for manufactured compound feeds
- \cdot Safe and natural feed for the livestock species

Nutriferm V+ adds valuable protein and metabolites while reducing feed cost

VALUABLE METABOLITES

Fermentation Outputs Yeast Components Trace Elements Key Minerals Amino Acids

REDUCTION IN DIET COST

High Dry Matter Low Cost Energy Low Cost Protein Mineral Replacement Partially replace filler ingredients



• The MFPs produced during fermentation yields a biologically nutrient-complex product, better described as Fermentation Metabolites • Key bioactive components include the unique metabolites produced during the fermentation

Nutriferm V+ for all livestock types

Commercial Utilisation:

Nutriferm V+ can be used as a useful feed ingredient in the diets of all live stock types with the benefit of it being an economical source of organic dry matter, valuable minerals and protein.

Manufactured Compound Feeds:					
Ruminant (dairy and cattle)	Up to 6%				
Poultry (layer and broiler)	Up to 2%				
Pig (Breeders and growersl)	Up to 2%				

Direct Feeding (recommended to be mixed with general diet in TMR):

Dairy Cows and Cattle

Up to 1kg per head per day



In Vivo Trial to assess digestibility and performance of cattle (Anand University, Spring 2017)

Improvements in performance in young cattle averaging 160kgs were observed through feeding 6% of Nutriferm V+ in TMR diets.

In Vivo Trial:

- · Standard TMR diet
- · Standard diet plus 6% Nutriferm V+





*Trial conducted at Anand University, Spring 2017

Key Findings:

- No difference in animal performance were observed between the treatments.
- · Identical DLWG (daily live weight gain) over the duration of the trial
- · Both diets were palatable with no difference observed in dry matter intake.
- Feed utilisation and nutrient digestibility were improved by using Nutriferm V+
- Digestibility of the dry matter was improved by 5% and crude protein digestibility was improved by 7%.

Feeding of Nutriferm V+ in TMR feeding can be successful at levels of 6% replacing other feed materials and improvement in the dry matter and protein digestibilities point to potential fermentation metabolite benefits.

Typical Analysis of Nutriferm V+

Nutrient	% as fed basis		% as fed basis
Moisture	6	Phosphorus (mg/100g)	860
Dry matter	94	Magnesium (mg/100g)	1276.9
Fat	<0.1	Potassium (mg/100g)	7400
Protein	16.5	Sodium (mg/100g)	4093
Fibre	-	Zinc (mg/kg)	1.35
Ash	47.27	lron (mg/kg)	41.9
Energy (USA NRC 2001)			
TDN (Energy)	2229	Biotin	3.6
Total carbohydrates	25.68	Vitamin B2	1.59
		Vitamin B6	0.09
		L-Cystine	0.17
		L-Lysine	0.27
		L-Methionine	0.07

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