

FEED POWDER



NUTREX
CURRENT NUTRITION TECHNOLOGY EXPONENTS

CELLU-BIASE*
TARGETED ENZYME FOR CELLULOSE IN CORN-SOY AND
OTHER PLANT SOURCED FEEDSTUFFS

ENZYME SUPPLEMENTATION TO THE NEXT HIGHER LEVEL OF DIGESTION EFFICIENCY

PRODUCT DESCRIPTION

CELLU-BIASE* is a purified cellulase enzyme concentrate for all corn-soy diets, and other processes requiring digestion of plant cellulose.

Cellulose is the fiber present in all plant sourced ingredients, as it provides the form and structure of all plants.

Cellulose comprises 4% of corn to as high as 25% (copra meal), enough to be responsible trapping considerable amounts of energy and proteins in its matrix, increases viscosity of feed, and significant reduction of overall feed digestibility.

Cellulose is completely INDIGESTIBLE to monogastric pig and poultry.

CELLU-BIASE* is the only enzyme for digesting cellulose, capable of digesting over 96% in vitro, and over 60% of feed cellulose in-vivo (animal medium).

CELLU-BIASE* is guaranteed to release a minimum of 200kcal of energy/kg in a typical corn-soy diet

INDICATIONS

For the efficient digestion of cellulose in corn soy diets

Other processes requiring digestion of plant cellulose

CONTENTS/kg

Purified Cellulase enzyme from *Trichoderma reesei*, concentrate **20M Units***

PACKAGING

Box of 20kg, pe lined

A SPECIALTY NUTRITIONAL PRODUCT :

AGRIaccess Inc

Bothell WA USA

IMPORTED BY:

TURIN LIVESTOCK & CROP PROJECTS

San Juan City, MetroManila

CELLU-BIASE* SUPPLEMENTATION, SUMMARY RESULTS BROILERS,
30 day feeding, Commercial Rations and birds, TLCP Testing Station*

Parameter	Control no cellulase	T1 1,000u/kg	Sig.	T2 1,250u/kg	Sig.
Wt. gain,gms	1,604	1,650	ns	1,660	ns
Feed Consumption, gms	2,912	2,684	s	2,736	s
FCR	1.82	1.63	s	1.65	s
Manure Profile					
Total manure, airdry, gms	1,122	934	s	925	s
Booster manure NSP %					
NDF	39.95	28.40	s	29.80	s
ADF	14.62	6.24	s	6.68	s
HC	25.33	22.16	s	23.12	s
Starter manure NSP %					
NDF	38.62	29.94	s	28.56	s
ADF	14.87	7.32	s	7.11	s
HC	23.75	22.62	s	21.45	s
Finisher manure NSP %					
NDF	40.03	30.16	s	29.57	s
ADF	13.38	6.74	s	6.38	s
HC	26.65	23.42	s	23.19	s

ns not significant s significant NDF Neutral Detergent Fiber /Total Fiber ADF Acid Detergent Fiber/cellulose + lignin HC hemicellulose
Turin Livestock &Crop Projects Product Testing Station, San Carlos City, Pangasinan JAN 2019

Above broiler feeding trial reveal

lower ADF (cellulose) in manure of test group up to 60%
lower NDF (total Fiber) in manure of test group up to 30%
and lower manure volume in test group by up to 17%

leading to:

computed ave energy release of 292kcal (73gms x 4kcal)
better Total Weight Gain (insignificant at 2.86%)
lower feed intake by 7.9%
better FCR by 11.5%

A Productivity Enhancement Tool from:

AGRIaccess

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