

SUMMARY OF TRIALS PHILIPPINES

MANNANASE PM AND ALKACEL 20X TARGETED ENZYMES

MANNANASE PM

1. TYPE - University Trial, Pig grower Finisher, 400hd

PROTOCOL

Control - 20%-30% copra meal incorporation

Experimental – 20%-30% copra meal + 1kg/1.5kg Mannanase PM

Adlib feeding

RESULTS

EXP with 5.32% lower ADFI, 12.92% better ADG, 11.17% better FCR and 8.21% lower cost/kg LW gain,
smaller more compact drier manure

2. TYPE - Farm Trial, Layer, 1,920 hd post peak

PROTOCOL

Control – standard corn-soy

Experimental – 10% coprameal + Mannanase PM 500gm/ton

Isonitrogenous isocaloric

Controlled feeding 110gms/day

RESULTS

EXP with 6% lower feed cost and 9% lower feed cost/egg, smaller and drier manure
No significant difference with egg/day and other production parameters

3. TYPE – Farm Trial, Pig Grower Finisher, 80 hd

PROTOCOL

Control – 20% coprameal

Experimental – 20% coprameal + 1kg/ton Mananase PM

Adlib feeding

RESULTS

EXP with 7.14% lower intake, 15.07% higher ADG, 14.57% better FCR, and 12.60% lower cost/kg LW gain
Smaller, drier and compact manure

4. TYPE – Farm Trial, Broiler, starter to d35, 9,800 birds

PROTOCOL

Control – standard cornsoy

Experimental – 6% coprameal + 300gm/ton Mannanase PM

Adlib feeding

Isonitrogenous isocaloric

RESULTS

EXP with 6.1% lower intake, 7.22% better FCR , 5.61% lower feed cost/kg and 12.49% lower cost/kg LW gain

No significant difference in ADG and Final Weight between Control and Experimental

ALKACEL 20X

1. TYPE – University Trial, Broiler, 200 birds, 35 day trial

PROTOCOL

Control – standard corn soy, commercial

Experimental – standard corn soy commercial + Alkacel 20x ws 5gm/10lt drinking water 24/7

RESULTS

EXP with 8.45% lower feed intake, 9.64% better FCR, and 7.11% lower feed cost/kg LW gain and >20% lower Total manure output

No significant difference with ADG and Final weight between control and experimental

2. TYPE – Farm Trial, broiler, traditional building, 37,000 birds, side by side buildings, 35 day grow

PROTOCOL

Control – standard corn soy, commercial

Experimental – standard corn soy commercial + Alkacel 20X ws 5gm/10lt drinking water 24/7

RESULTS

EXP with 10.68% lower feed intake, 10.15% better FCR, and 6.97% lower Feed Cost/kg LW Gain, manure smaller and drier

No significant difference in ADG and Final weight between control and experimental

3. TYPE – Farm Trial, broiler, cool cell automated building, 64,000 birds, 1.6kg LW cap

PROTOCOL

Control – standard corn soy, commercial

Experimental – standard corn soy + Alkacel 20X ws 5gm/10lt drinking water 24/7

RESULTS

EXP with 11.45% lower feed intake, 9.35% better FCR, and 8.17% lower feed cost/kg LW gain; manure smaller and drier

No significant difference in ADG and Final weight between control and experimental

4. TYPE - Farm Trial, grower-finisher pig, 200hd

PROTOCOL

Control – standard corn soy

Experimental – standard corn soy + Alkacel 20x premix 500gm/ton of feed

RESULTS

EXP with 7.03% lower feed intake, 4.6% better ADG, 11.3% better FCR, and 9.95% lower cost/kg LW gain; manure smaller, more compact and drier

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AGRIaccess Targeted Enzymes Data 2004-2014