



EMPIRE HOLDING (PTY) LTD
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Case Study:
Processing

No antibiotics. No residues. No restrictions.

Profits.

D.B.E. Poultry Sdn. Bhd., Malaysia

November 2014

Breed: Cobb500

Duration: 14 days (21 - 35d)

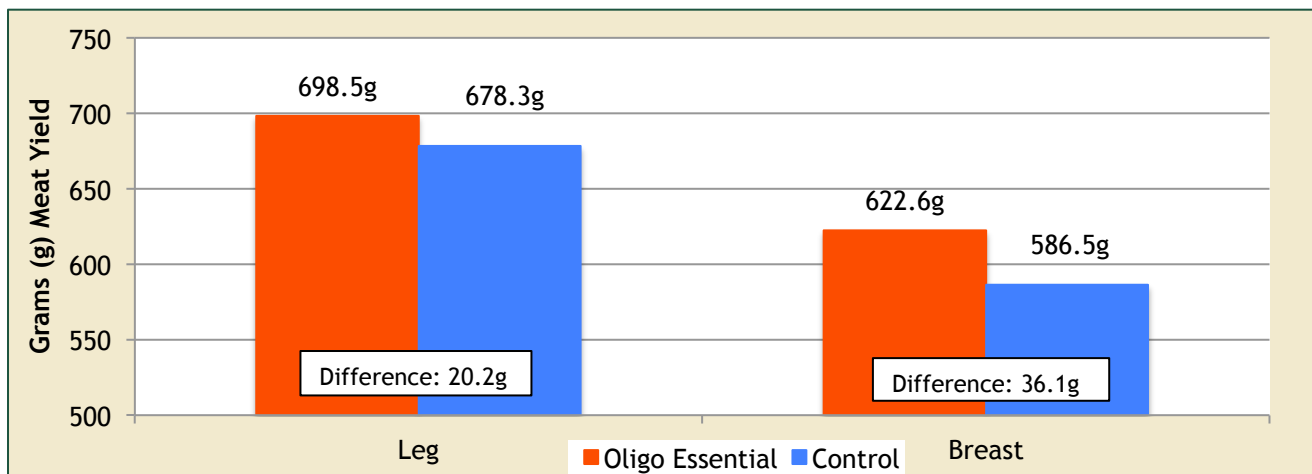
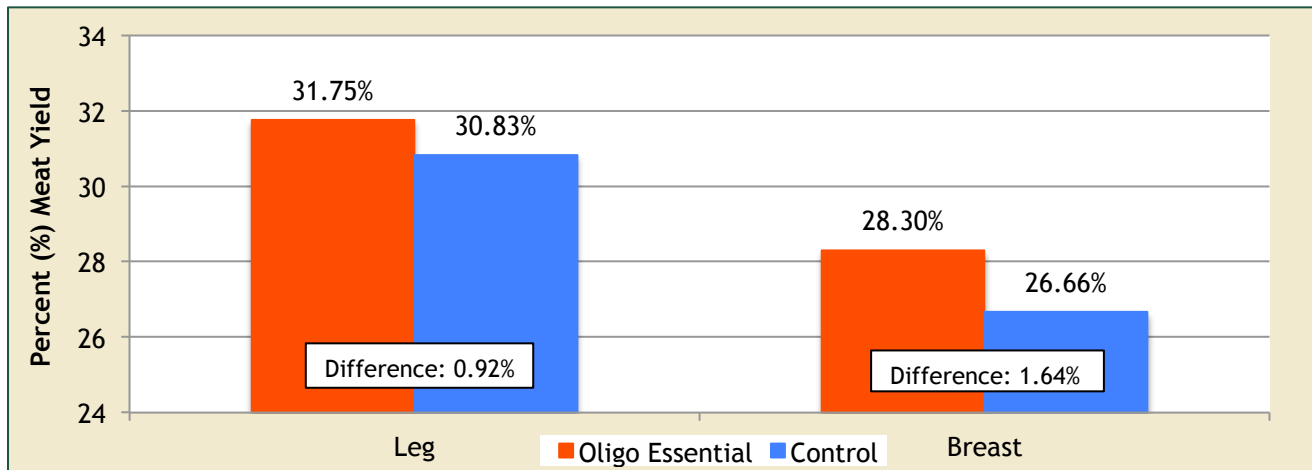
Number of birds:

200,000 Oligo Essential (1.5kg/MT)

200,000 Control



Objective: To evaluate the effects and profitability of Oligo Essential supplementation on meat yields and processing of broilers.



The following parameters were used to compute the Cost/Benefit

Target Weight (kg)	2.2	Price of Oligo Essential per kg	USD 12.00	
FCR	1.9	Price of Chicken Meat per kg	USD 2.24	
Inclusion 21-35d	14 days	Price of Breast Meat per kg	USD 6.72	(3x times the price of chicken)
		Price of Leg Meat per kg	USD 3.36	(1.5x times the price of chicken)

Carcass Yield, Leg/Thigh Yield, Breast Yield

	Oligo Essential, kg (%)	Control, kg (%)	Difference, g (%)
Yield	1.799 (81.78%)	1.787 (81.24%)	11.9 (0.54%)
	Grams (%)	Grams (%)	Grams (%)
Leg	698.5 (31.75%)	678.3 (30.83%)	20.2 (0.92%)
Breast	622.6 (28.30%)	586.5 (26.66%)	36.1 (1.64%)

Cost/Benefit Analysis for Leg and Breast Meat

Leg Meat Gain	20.2g x USD 3.36/kg = USD 0.068
Breast Meat Gain	36.1g x USD 6.72/kg = USD 0.243
Total Gain	USD 0.068 + USD 0.243 = USD 0.311
Cost of Oligo Essential	FCR 1.9 x 2.2kg x 0.15% Oligo Essential inclusion x USD 12 Oligo Essential/kg x 2/3 (last 14 d inclusion) = USD 0.05
Profit per bird	USD 0.311 – USD 0.05 = USD 0.261
Profit for Trial (200,000 birds)	USD 52,200

Conclusion

The inclusion of Oligo Essential during the final 14 days of the growing cycle was able to increase both leg meat yield (20.2 g) and breast meat yield (36.1g) over the control. At a price of \$12.00 per kg for Oligo Essential, and the given prices of meat from above, the increase in meat yield came out to a net profit of \$0.261 per broiler, or USD \$52,200 for the entire trial group.