



BINDURA UNIVERSITY OF SCIENCE EDUCATION

MORINGA OLEIFERA LEAF MEAL



Healthy Broiler Chicken Feed
Leaf nutrient Content
CP 28.5%; Ash 10.78 %;
CF 9.76 %; Gross energy 19.35 MJ/kg



INTRODUCTION

Broiler chicken production using conventional feeds wholly based on soybean as a protein source often results in high mortality (up to 10%) and morbidity. To reduce mortality and morbidity, producers resort to intensive use of synthetic medicines (antibiotics) that reduce food safety and promote resistance to antibiotics in humans. Moringa oleifera possesses anti-microbial properties; therefore its inclusion in broiler feeds reduces mortality and morbidly rates without intensive use of synthetic antibiotics. In addition, chickens fed on Moringa based broiler feed have tasty meat of low fat content, longer shelf life and appealing golden brown colour. The Moringa based broiler feed at 5-12% inclusion levels gives normal broiler growth performance.



COST BENEFIT ANALYSIS

Oleifera Leaf meal reduced costs compared Conventional feed based 2020 prices.

Description	Conventional feed	Oleifera Feed	
		5% Inclusion	10% inclusion
Cost per bird (US\$)	3.19	3.12	3.04
Revenue per bird (US\$)	6.00	6.00	5.00
Returns/US\$ invested	0.88	0.92	0.65