

# Essential

No antibiotics. No residues. No restrictions.  
Profits.

## Case Study: Broiler Breeders

KMS Farms –  
Indonesia

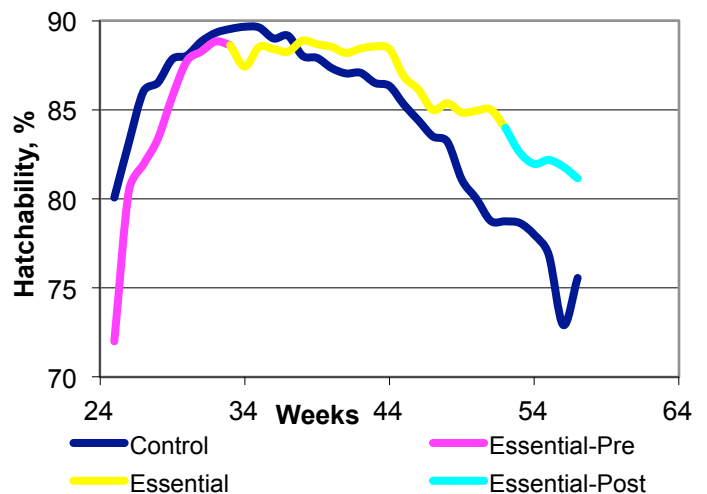
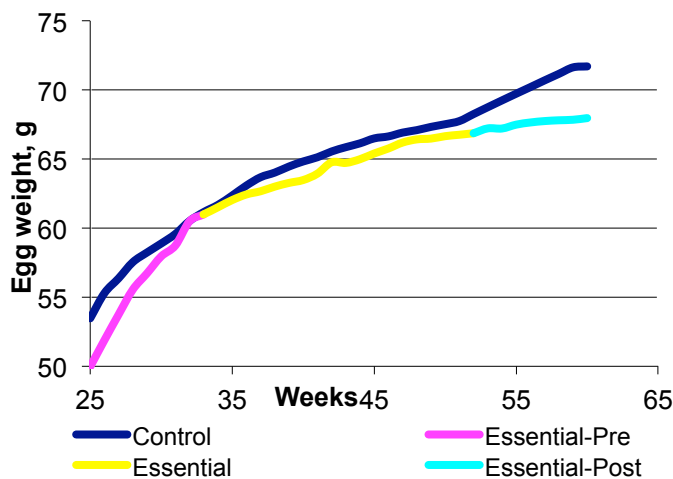
**Breed:** Cobb 500  
**Duration:**  
20 weeks with Essential (32wks-52wks)  
8 weeks without Essential (52wks-60wks)  
**Number of birds:**  
10,000 Essential (1.5kg/MT)  
Control based on historical data



### Objective:

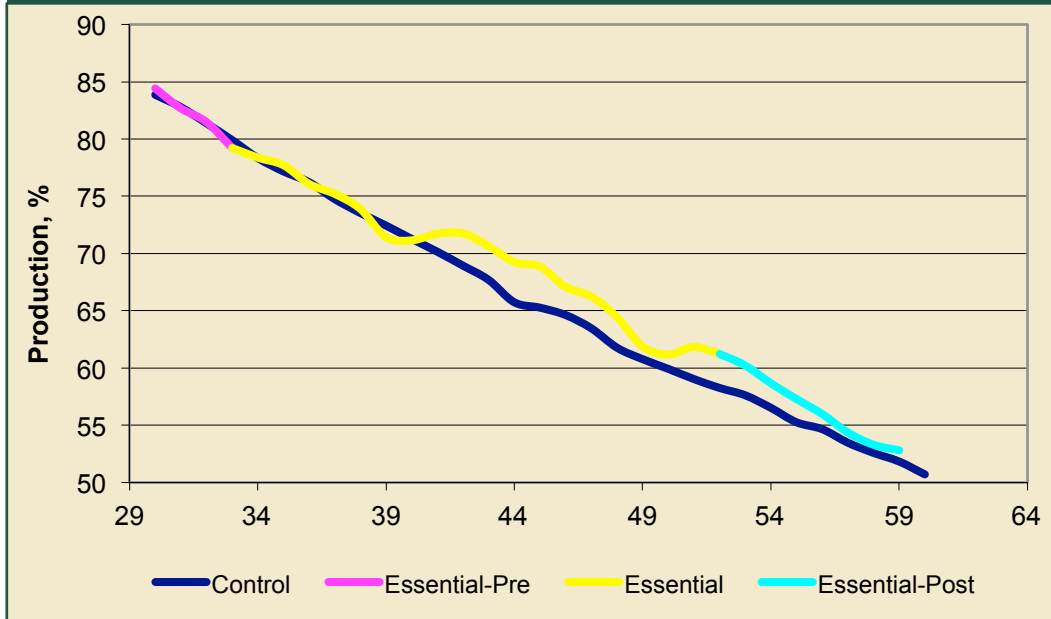
To evaluate the effects of Essential supplementation on broiler breeder performance.

	Chicks/ breeder	Feed USD/ breeder	USD Chicks	USD Chicks-Feed	ROI
Control	83.90	9.49	30.40	20.91	<b>450%</b>
Essential	87.69	9.74	31.77	22.04	
Difference	3.79	0.25	1.37	1.13	



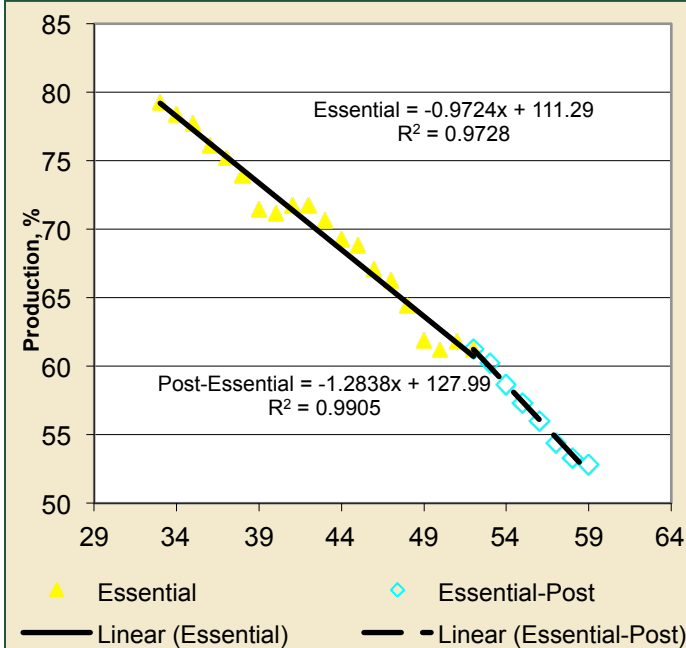
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## Production before, during, and after Essential use against the control

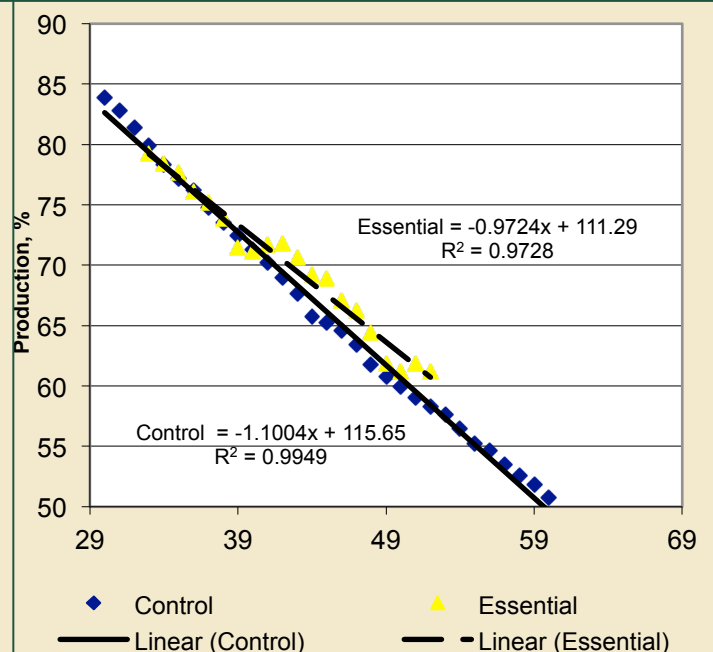


Rate of production drops 32% after Essential is removed.

### Production while using Essential and after removing Essential



### Production while using Essential against the control



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