

# Essential

## Case Study: Layers

No antibiotics. No residues. No restrictions.  
Profits.

### Ipoh - Malaysia

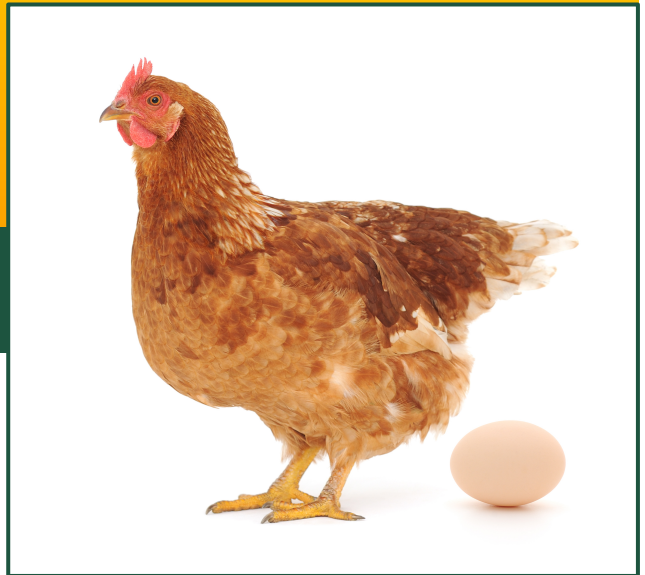
**Breed:** Hisex Brown

**Duration:** 6 weeks (46wks - 52wks)

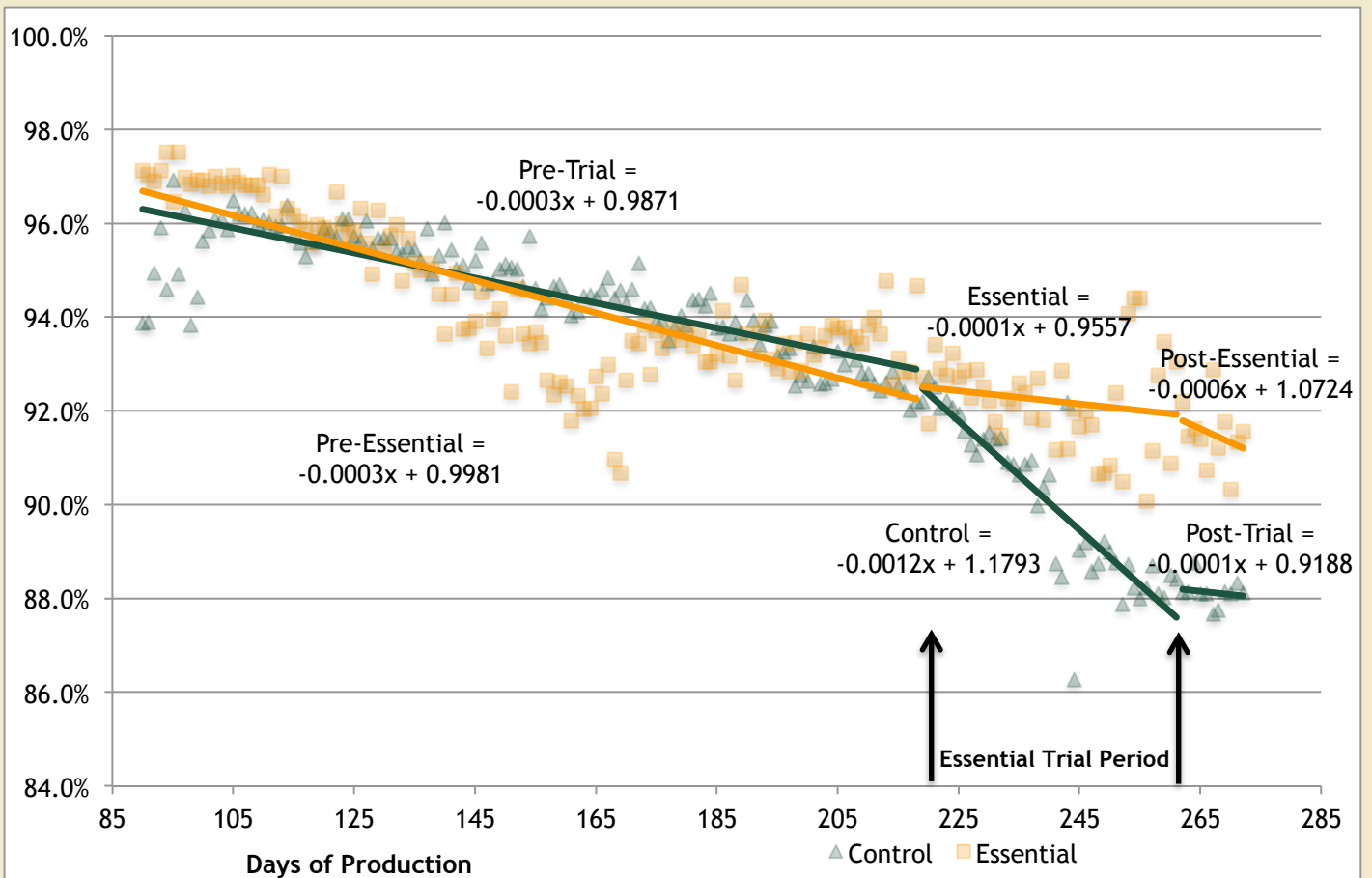
**Number of birds:**

40,000 Essential (1.5 kg/MT)

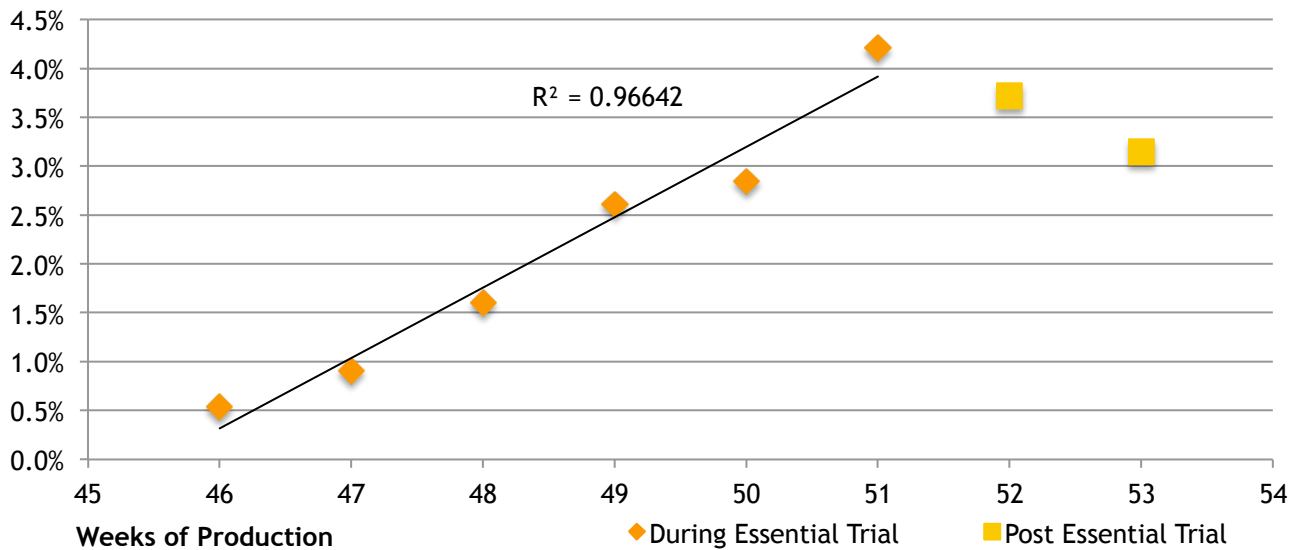
Control based on historical



**Objective:** To evaluate the effects of Essential supplementation on layer performance.



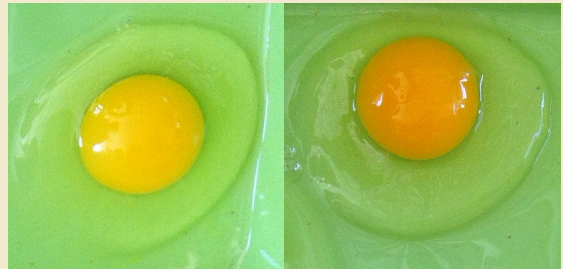
## Difference in Production Percent



### Average Weekly Production

Week	Essential	Control	Difference
40	93.50%	94.00%	-0.50%
41	93.30%	93.90%	-0.60%
42	93.30%	93.60%	-0.30%
43	93.40%	92.70%	0.70%
44	93.70%	93.00%	0.70%
45	93.50%	92.40%	1.10%
46	92.80%	92.30%	0.50%
47	92.30%	91.40%	0.90%
48	92.30%	90.70%	1.60%
49	91.80%	89.20%	2.60%
50	91.50%	88.70%	2.80%
51	92.50%	88.20%	4.30%
52	91.90%	88.20%	3.70%
53	91.20%	88.10%	3.10%
<b>Ave. (Ess)=</b>	<b>92.20%</b>	<b>90.08%</b>	<b>2.12%</b>

Control



With Essential

Trial Period	Eggs (control)	With Essential	Difference
	256710	257994	1284
	254100	256387	2287
	251820	255849	4029
	247560	253997	6437
	245940	252826	6886
	244470	254982	10512
<b>Total=</b>	<b>1500600</b>	<b>1532035</b>	<b>31435</b>

## Conclusion

1. During supplementation, the rate of production decline in the control group was falling 12x faster than the Essential group.
2. The difference in production between the Essential group and control peaked at 4.3%.
3. After Essential was removed, the production rate declined.