

# Effect of Animax on Egg Quality



**MANASEER**  
Industrial Complex



SMART™



**ANIMAX**  
Natural Minerals

MIC  
**AQuaculture**  
Farm supplements



MIC **ANIMAX**   
Natural Minerals

Feed additive contains hydrated sodium calcium aluminosilicate (**HSCAS**) with Trace Elements amount of some 45 different elements

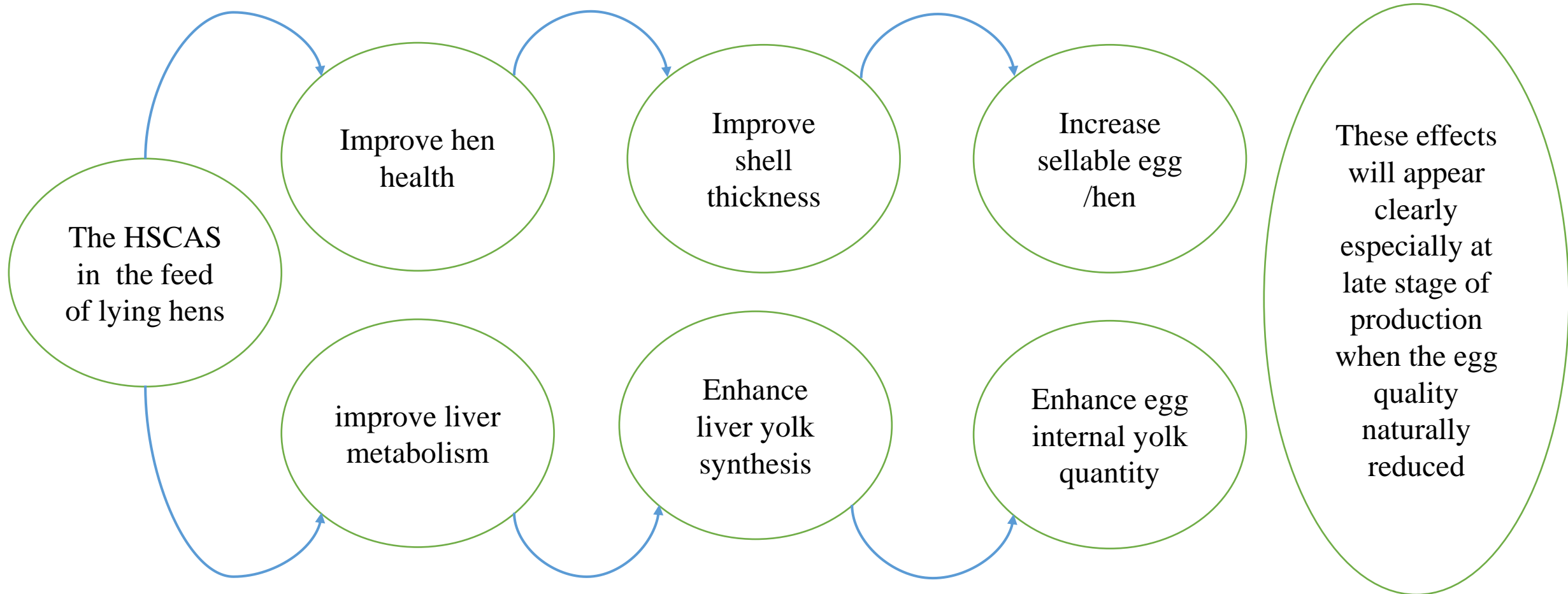
Specific surface area  
4.722 m<sup>2</sup>/g

Specific surface area for micropore  
0.851 m<sup>2</sup>/g

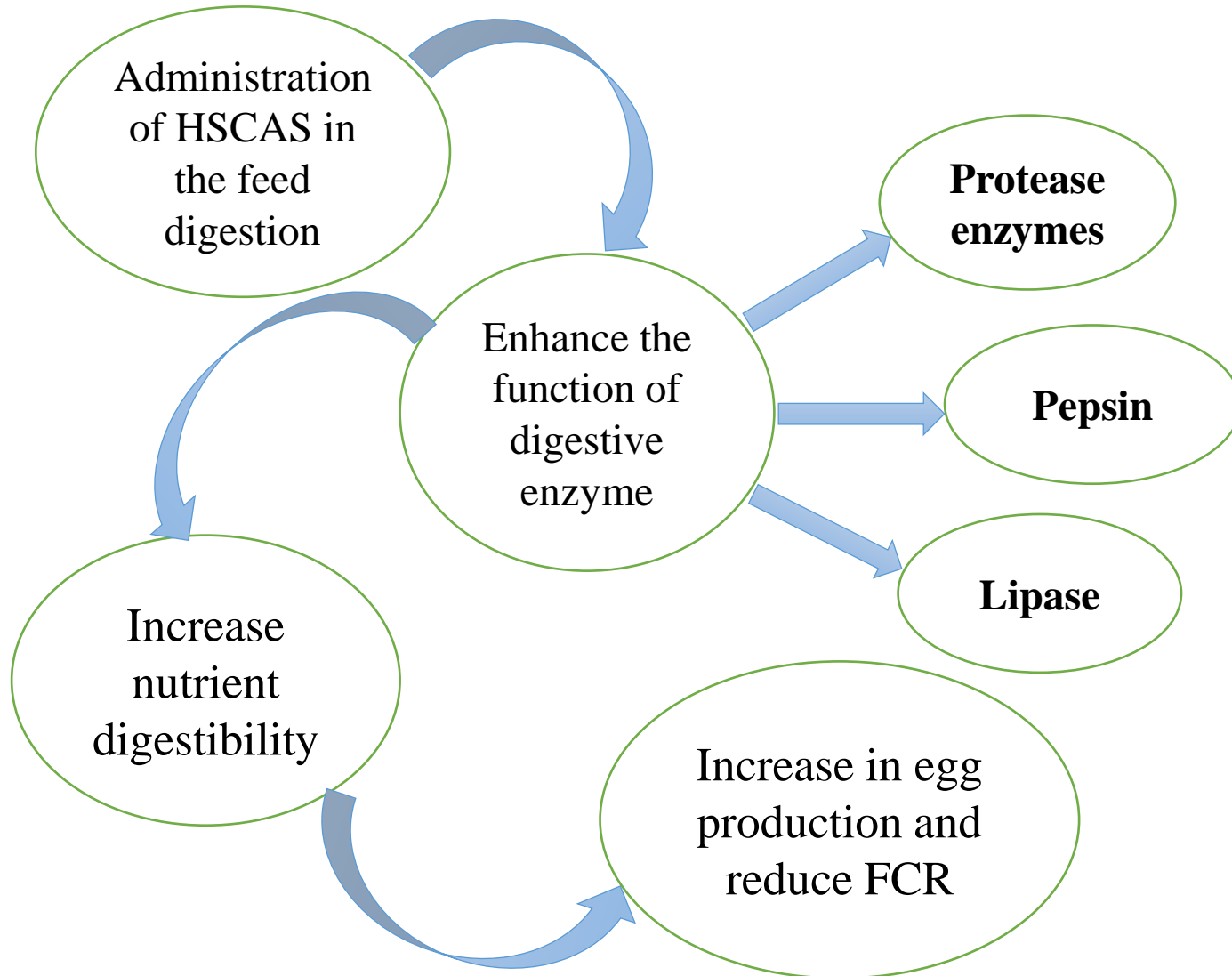
Specific volume of micropore  
0.000377 cm<sup>3</sup>/g

PARAMETER	SPECIFICATION
SiO <sub>2</sub>	≤ 50.0 %
Al <sub>2</sub> O <sub>3</sub>	≤ 15.0 %
CaO	≤ 11.0 %
Fe <sub>2</sub> O <sub>3</sub>	≤ 10.5 %
MgO	≤ 8.5 %
Na <sub>2</sub> O	≤ 4.0 %
K <sub>2</sub> O	≤ 1.5 %
LOI	≤ 4.0 %
Moisture wt. %	≤ 0.22 %
PH Value	10-11
Particle Size	45 Micron

# Introduction



# Introduction



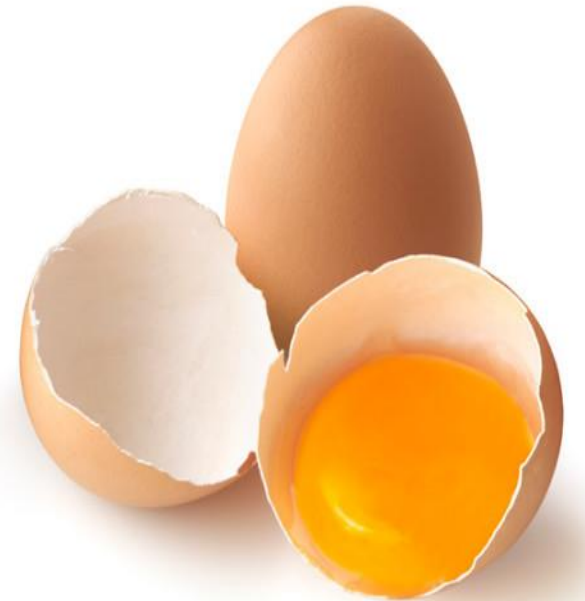
# Commercial Trial

- A commercial trial has been conducted in **Manna Farms** to investigate the effect of **Animax** mineral supplement on egg quality of laying hen at late stage of production.
- The experiment was done in two separated poultry farms at the same area, in houses that has the same breed (Lohmann) with the same age ( 83weeks).
- The experiment lasted for 10 weeks, and samples were collected and analyzed for internal and external egg quality.
- The experiment was split into **control** (Standard feed of the farm) , and the **plus** (Standard feed of the farm + 2.5 kg/ton of **Animax**).
- The flocks were reared according to Lohmann guide manual. Water and feed was available all the time.
- Feed was prepared in the farm, and **Animax** was added to the feed additive formula then mixed with other feed ingredients in the feed mixer as a final step.

# Results of The Experiment

The results of this study indicated that the addition of Animax on a level of 2.5Kg in the mixed feed :

- Increase average egg weight.
- Improve eggshell weight and thickness.
- Enhance average egg yolk weight and percentage.
- Did not affect albumin weight, and height.
- Did not affect the internal egg quality (HU, Yolk Height, and yolk color).



# Results of The Experiment

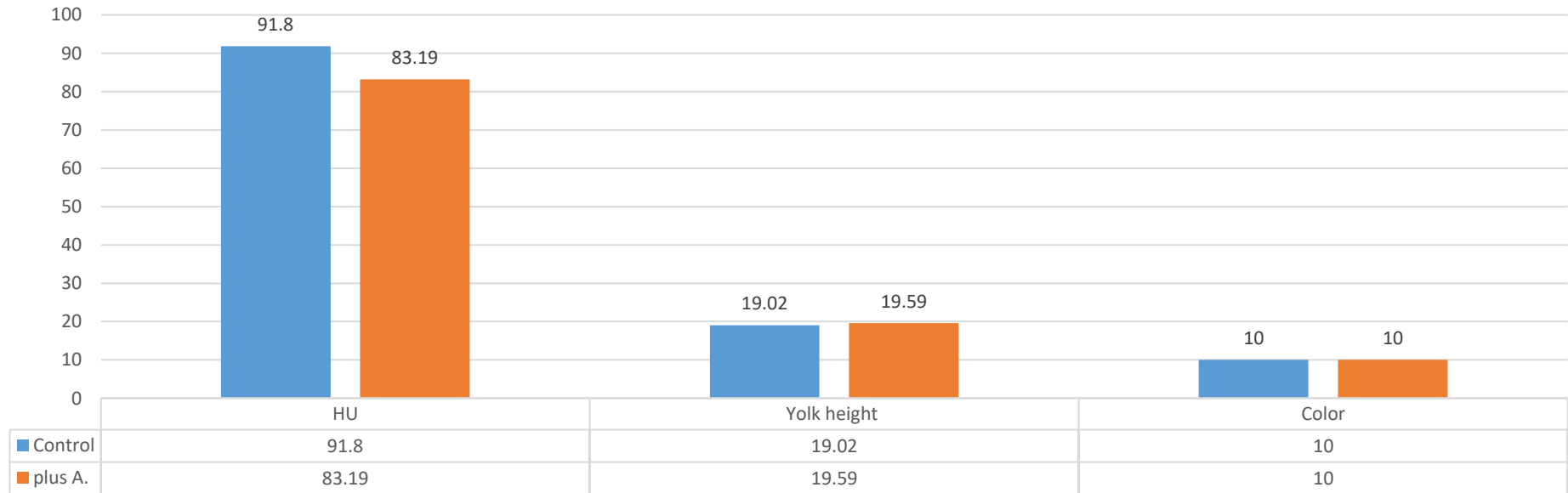
Effects of feeding Animax on egg quality for a laying flock at late stage of egg production:

	Egg wight (g)	Shell weight (g)	Yolk weight (g)	Yolk %	Albumin %	Shell %	Shell Thickness
Control	63.3	8.2	15.7	24.87	57.60	12.98	0.346
Plus A.	67	9.8	17.4	26.04	55.26	14.69	0.377

# Results of The Experiment

Effects of feeding Animax on Internal egg quality for a laying flock at late stage of egg production

## Internal Egg Quality



■ Control ■ plus A.



# Conclusion and Recommendation

- Feeding of **Animax** at a level of 2.5 kg/MT to:
  - Improve average egg weight.
  - Enhance eggshell thickness.
  - Increases yolk weight and yolk percentage.
  - Did not affect egg albumin and yolk color.
  - Increase ROI for the producer.





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*The End*  
*Any Question*