

Nutrition updates

5th H&N
DISTRIBUTOR
CONFERENCE
CAIRO

20th to 24th
OCT
2025

Hybrid feed: perfect replacement for the prelay.

Low crude protein diets: save money and become sustainable.

2025



H&N[®]
INTERNATIONAL

Resources and reasons

- Farm in Türkiye and Colombia.
- Product not related research.
- How to reach 120 weeks.



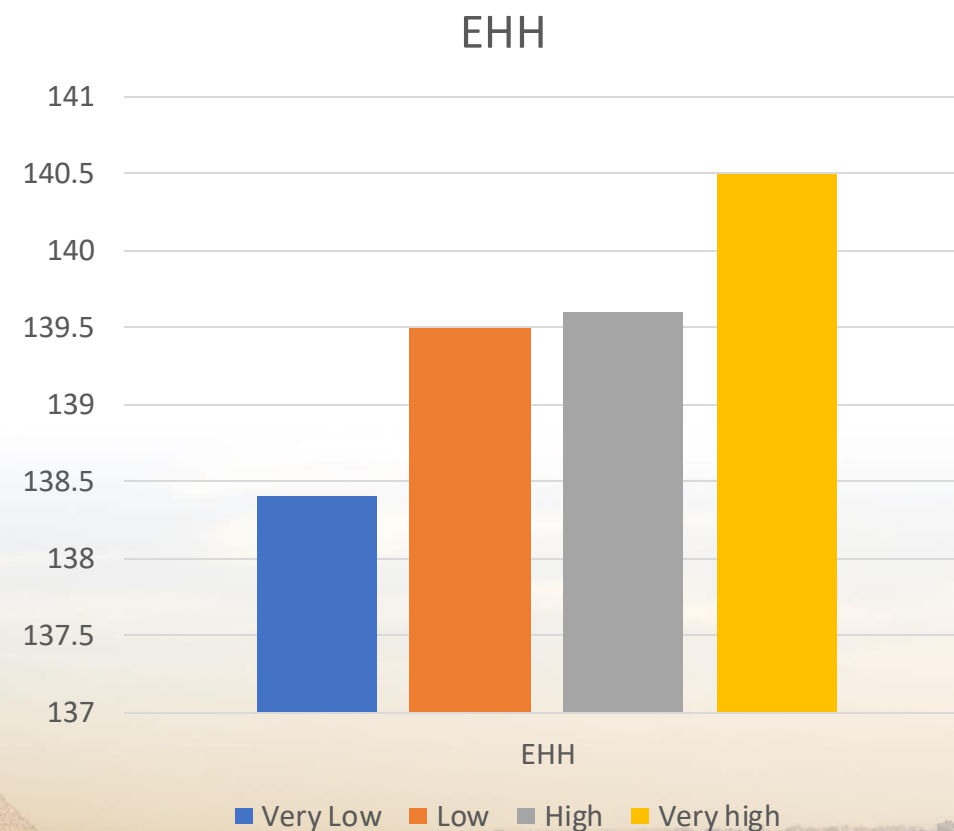
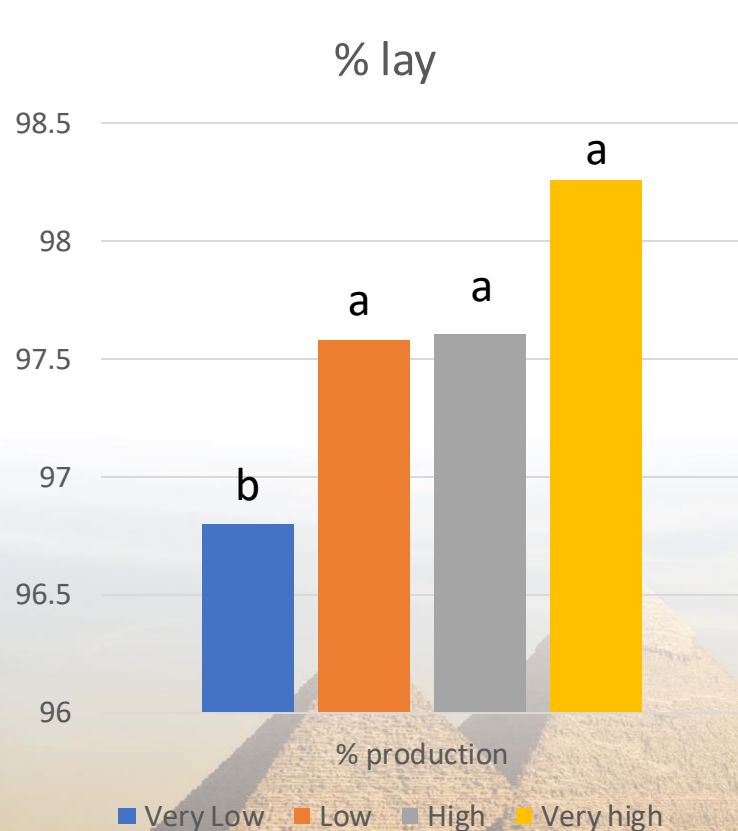
Hybrid diet

- Quick HE size reported:
 - Ecuador; Egypt; Portugal; Italy...
- Quick egg size:
 - Colombia; Italy; Spain...

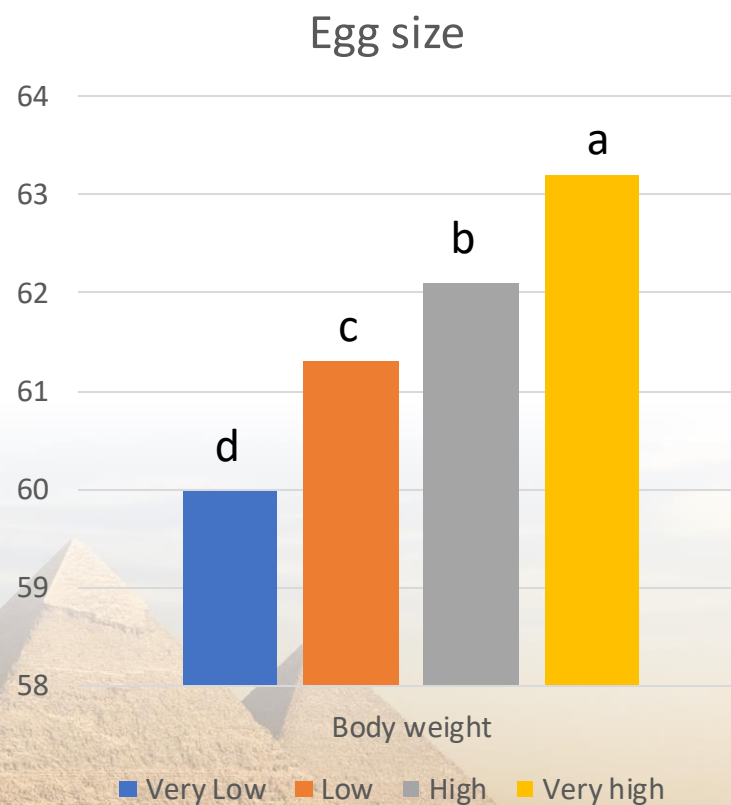
Research December 2023 - June 2025

- Flock of Nick chick (white)
- Corn – Soya – Wheat bran – Soya oil
- Four levels of amino acids to test impact in performance and egg size.

Production 26-46 weeks (std 138.1 EHH)



Production 26-46 weeks

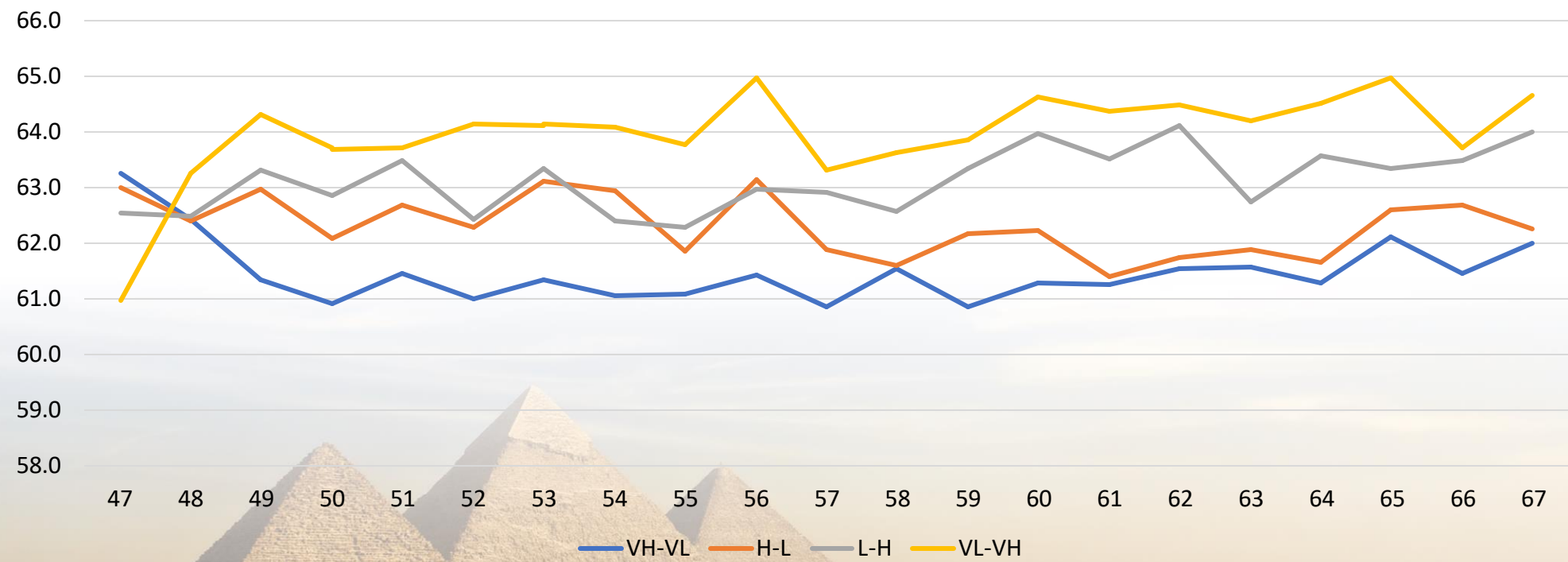


First learning

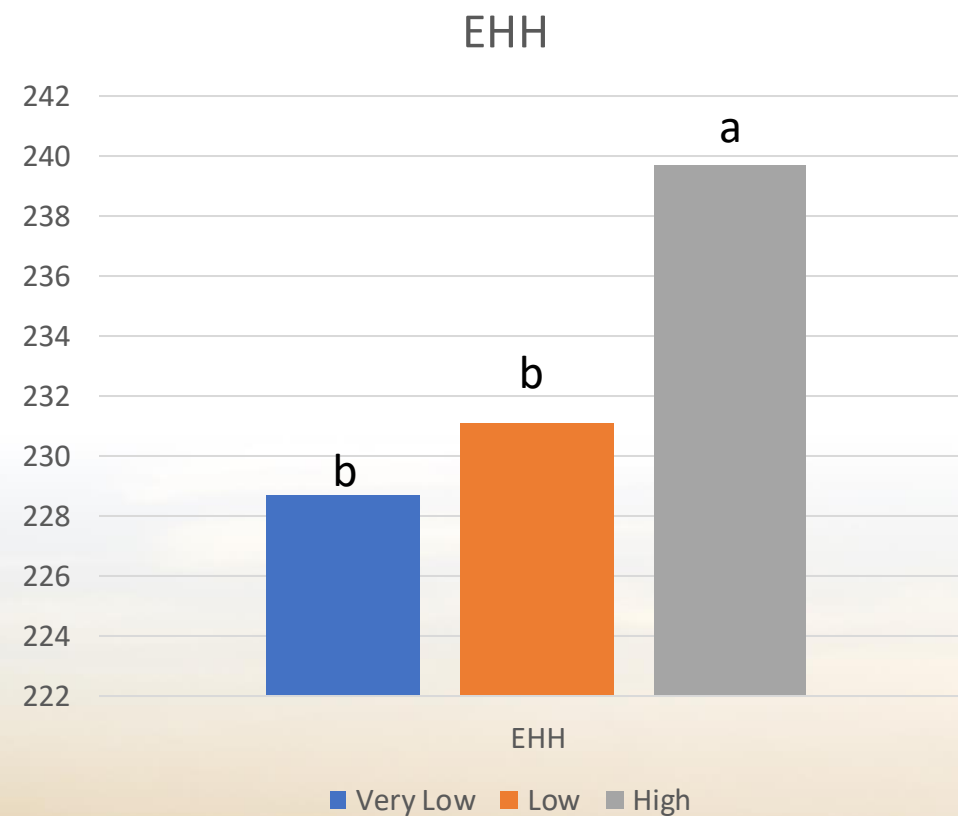
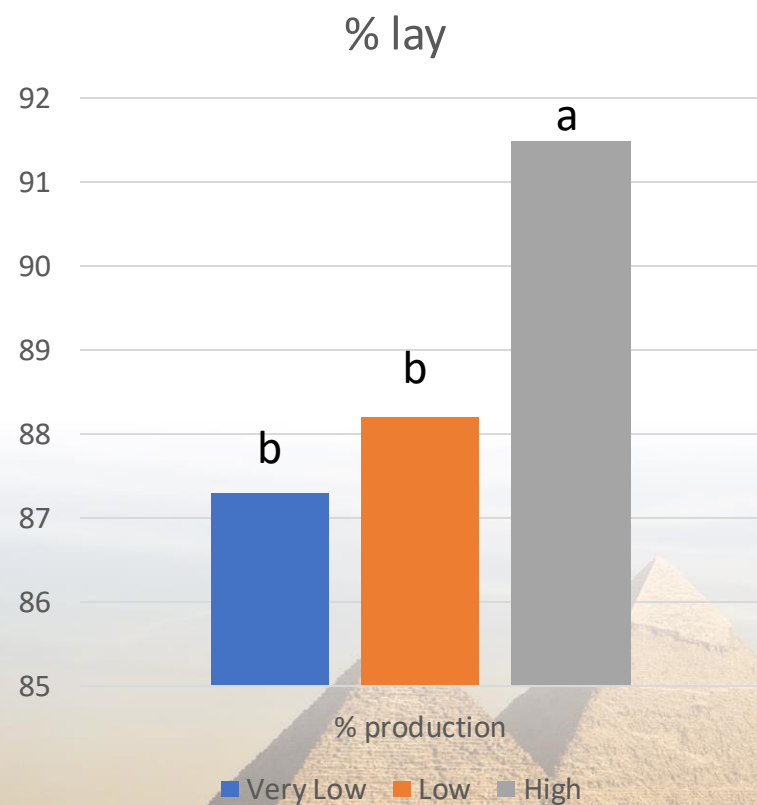
	Very low	Low	High	Very high
Crude protein (%)	13	14.3	15.5	16.79
ME birds (Kcal/Kg)	2,810	2,810	2,810	2,810
Digestible Lys poultry (%)	0.56	0.64	0.71	0.79
PRICE (EURO/TN)	270.46	284.27	298.08	311.89
Feed intake	111.4	111.8	111.1	111.6
EHH 26-46 weeks	138.5	139.5	139.6	140.5
Egg size	59.98	61.3	62.1	63.2
Feed cost 26-46 weeks	4.22	4.45	4.64	4.87
Egg cost 26-46 weeks	0.0305	0.0319	0.0332	0.0347



Second learning



Production 56-93 weeks

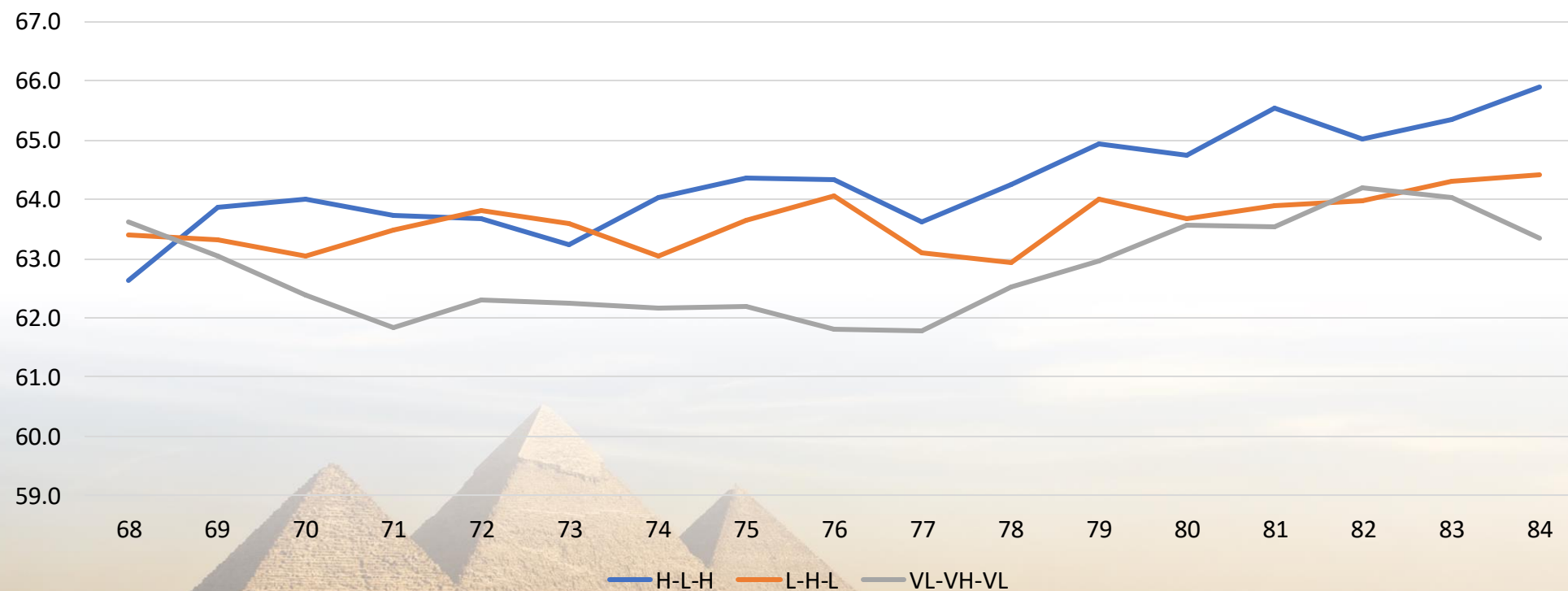


Third learning

	Very low	Low	High
Crude protein (%)	11.16	12.38	13.61
ME birds (Kcal/Kg)	2,810	2,810	2,810
Digestible Lys poultry (%)	0.56	0.64	0.71
PRICE (EURO/TN)	283.8	293.9	304
Feed intake	106	107.6	106.9
EHH 56-93 weeks	228.7	231.1	239.7
Egg size	62.5	64.1	65.1
Feed cost 56-93 weeks	8.0	8.41	8.64
Egg cost 56-93 weeks	0.0350	0.0364	0.0361



Fourth learning



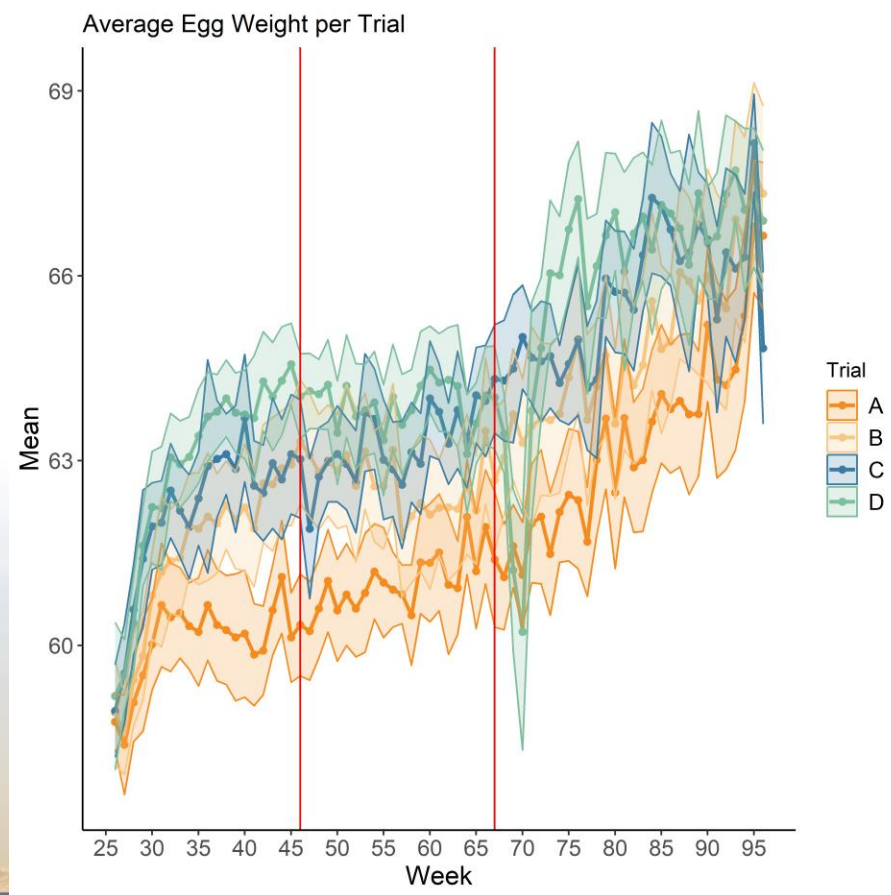
5th H&N
DISTRIBUTOR
CONFERENCE
CAIRO

20th to 24th
OCT
2025



H&N
INTERNATIONAL

Fifth learning – Needs change



Relevant differences between all comparison

	Effect	P-value
A-B	-1.54	<1e-4***
A-C	-2.23	<1e-4***
A-D	-2.81	<1e-4***
B-C	-0.69	<1e-4***
B-D	-1.27	<1e-4***
C-D	-0.58	<1e-4***

Good research makes more questions

- Can we repeat the results?
- What should be the minimum of protein without affecting %lay?
- What are the maintenance needs in old hens?
- How to convince the market that a 2% of added fat reduces the mortality of the flocks?

Summary

- Our bird response to the levels of amino acids is amazing.
- Reduction of amino acids is possible and profitable but need to be aware of certain amount of protein level.
- We need to know more about old hens needs.

5th H&N
DISTRIBUTOR
CONFERENCE
CAIRO

20th to 24th
OCT
2025

Thank you for your attention

2025



H&N
INTERNATIONAL