

The background of the slide is a dark blue space-themed image. On the left, a large, textured grey sphere (resembling a planet or moon) curves across the frame. Several smaller, reflective blue spheres are scattered in the space. One of these spheres contains a white chicken with a red comb. Another sphere contains several white eggs. The overall scene is set against a starry night sky.

H&N International R&D

Previous results egg size modification

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Nick chick and egg size

Start in October 2023 – part 1

- Housing
 - Number cages: 144
 - Number of birds: 720
 - Feeder space: 9.6 cm / bird (3.78 in)
- Feeding
 - Arrival: **developer feed.**
 - At light stimulation: **Hybrid feed**
 - At 21 weeks changed to **layer 1**
 - At 25 weeks start the **treatments**
- Treatments
 - Energy: 2810 kcal / kg
 - Amino acids (Lys mg): 590 / 670 / 750 / 830



**Light stimulation at:
1250 grams
Light hours at rearing: 12 hours
Stimulation: +2+1+1 / week**

Hybrid feed

	%
Energy	2.700
Dig. Lys	0,80
Dig. Met	0,40
Dig. Met + Cis	0,72
Dig. Thr.	0,56
Dig. Trp.	0,18
Dig. Ile.	0,64
Dig. Val	0,70
Dig. Arg	0,83
Crude fiber	2,75
Calcium	3,80
Av. P.	0,47
Na	0,20
Cl	0,20

Corn/ SBM /Wheat bran

Salt: 0,28% Min-Max

Oil: 1,6% Min

CaCO₃ granulare 60%

21 wks

Corn/ SBM /Wheat bran

Salt: 0,28% Min-Max

Oil: 2%

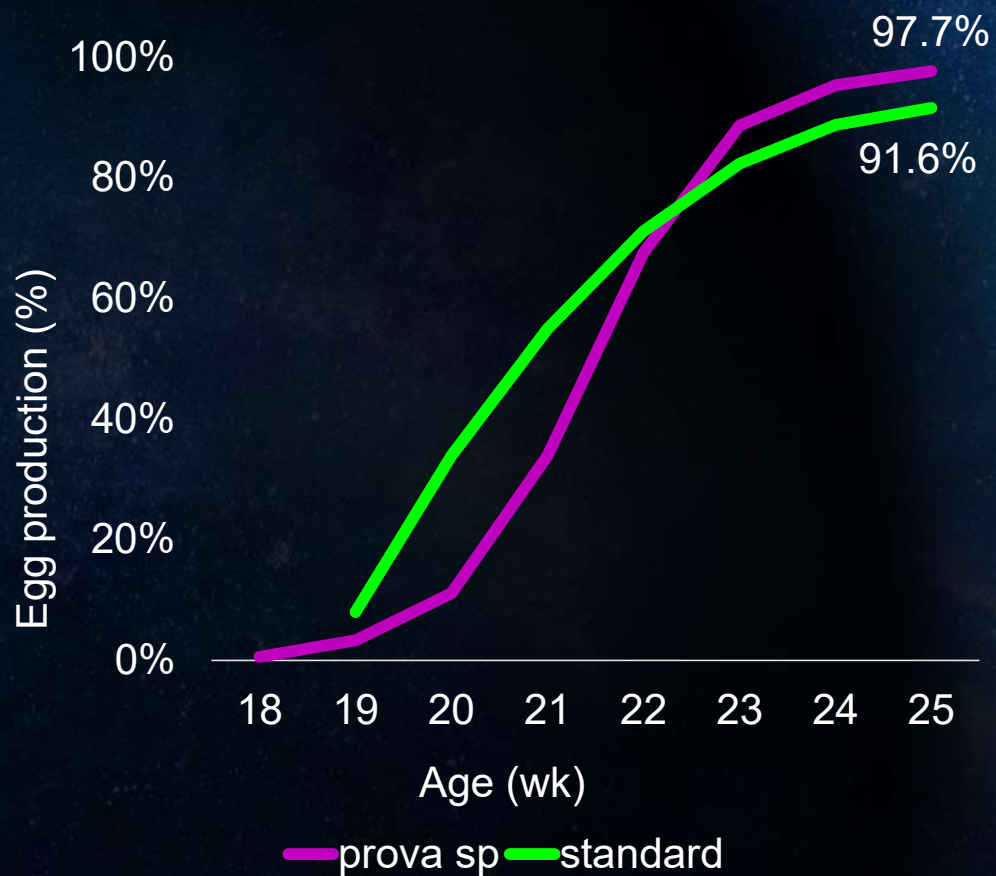
CaCO₃ granulare 60%

Phase 1 feed

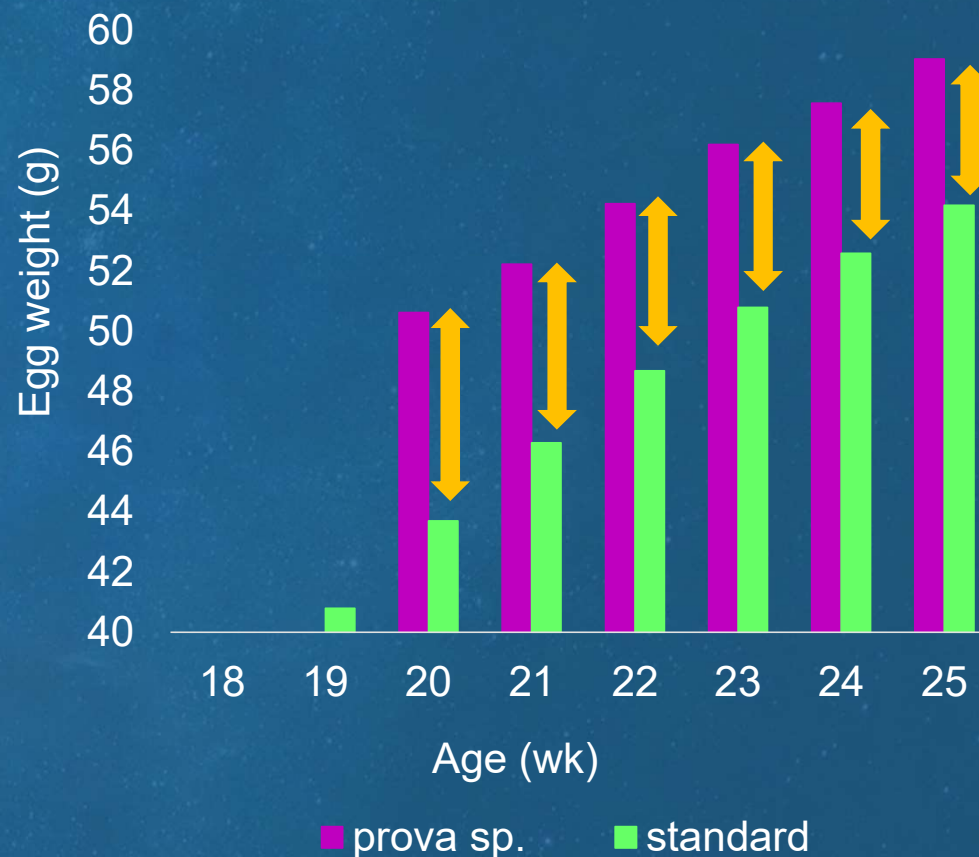
	%
Energy	2.810
Dig. Lys	0,76
Dig. Met	0,38
Dig. Met + Cis	0,69
Dig. Thr.	0,53
Dig. Trp.	0,17
Dig. Ile.	0,61
Dig. Val	0,67
Dig. Arg	0,79
Crude fiber	2,50
Calcium	3,65
Av. P.	0,40
Na	0,17
Cl	0,17

Onset of production...

Evolution of the production (%)



Evolution egg weight (g)



Standard genetic

Hybrid Feed
2.700 kcal
0,80% DLys

Phase 1
2.810 kcal
0,76% DLys

TTO 1
2.810 kcal + CP 16,8% + DLys very high 0,79%

TTO 2
2.810 kcal + CP 15,5% + DLys high 0,71%

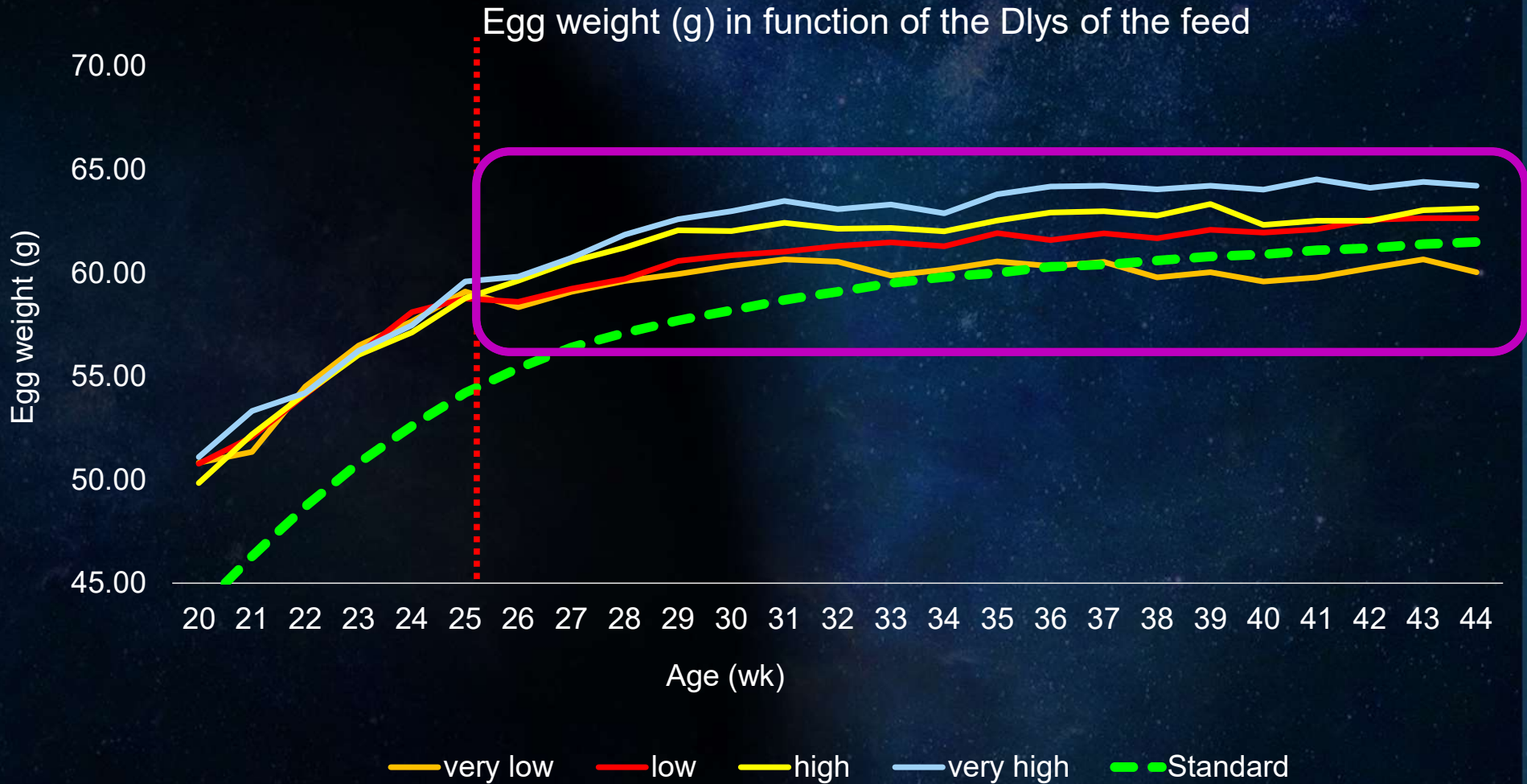
TTO 3
2.810 kcal + CP 14,3% + DLys low 0,64%

TTO 4
2.810 kcal + CP 13,0% + DLys very low 0,56%

17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52

Age (wk)

...after 25 wk of age



Standard genetic

Hybrid Feed
2.700 kcal
0,80% DLys

Phase 1
2.810 kcal
0,76% DLys

TTO 1
2.810 kcal + CP 16,8% +DLys very high 0,79%

TTO 2
2.810 kcal + CP 15,5% + DLys high 0,71%

TTO 3
2.810 kcal + CP 14,3% + DLys low 0,64%

TTO 4
2.810 kcal + CP 13,0% + DLys very low 0,56%

TTO 1 - 2.810kcal + very high DLys 0,79

TTO 4 – 2.810 kcal + very low DLys 0,56%

TTO 2 - 2.810 kcal + high DLys 0,71%

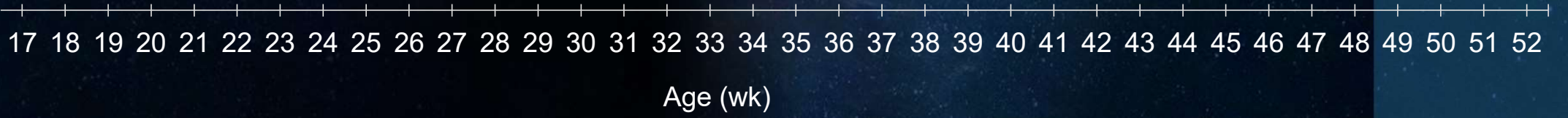
TTO 3 – 2.810 kcal + low DLys 0,64%

TTO 2 - 2.810 kcal + high DLys 0,71%

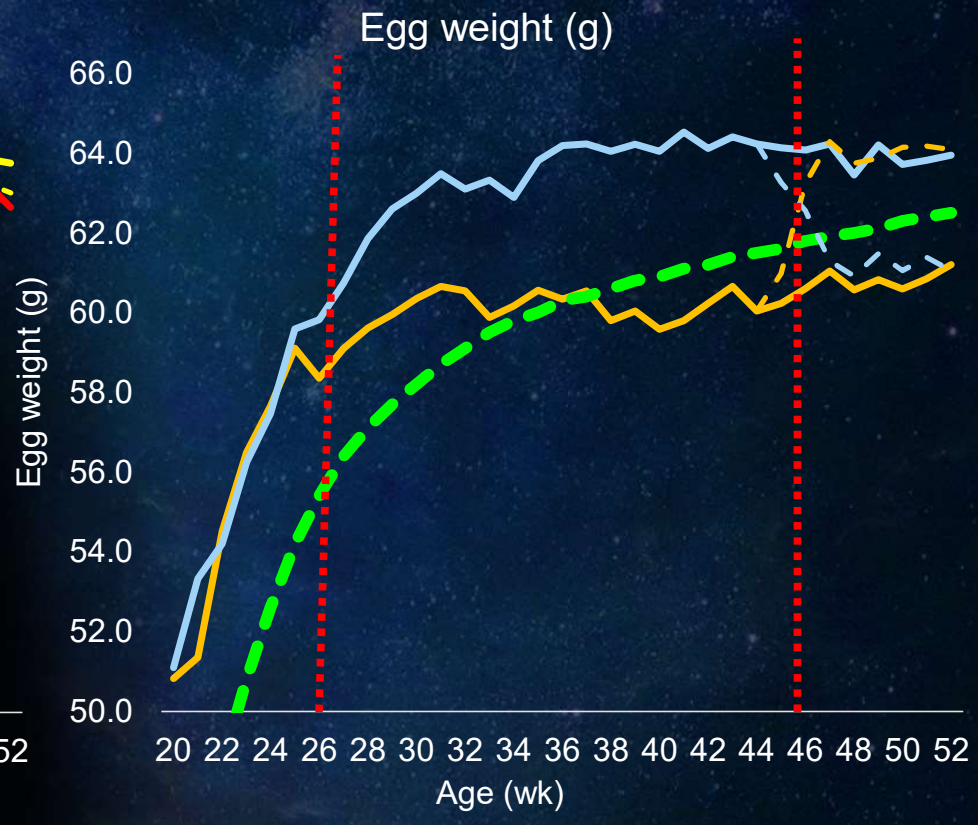
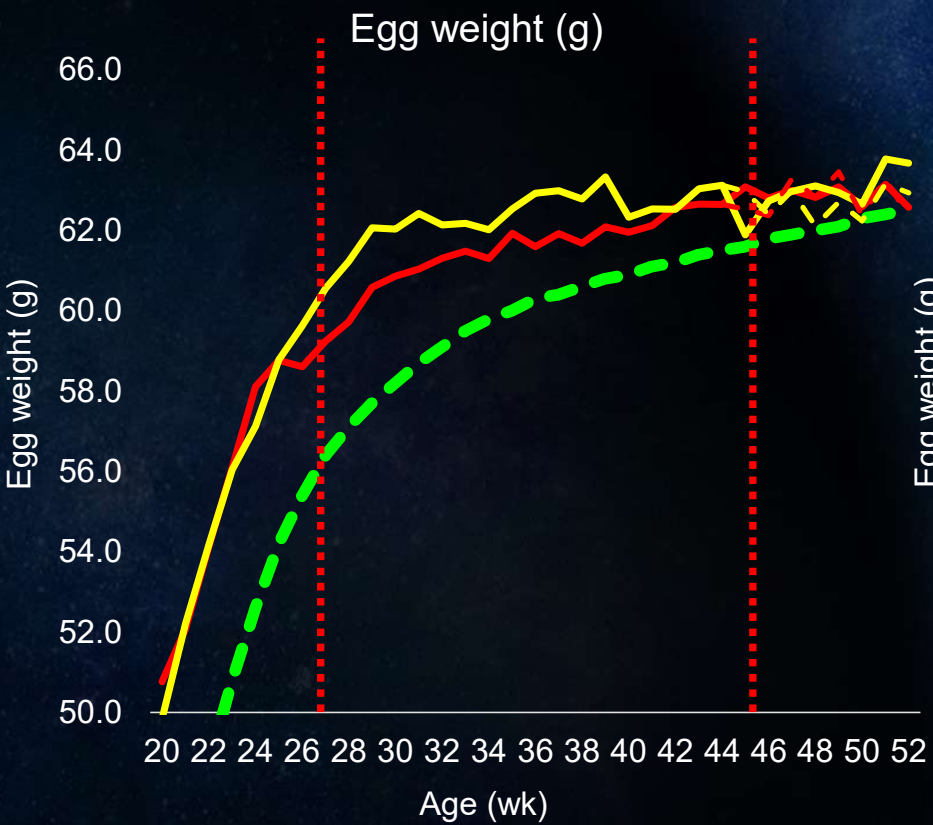
TTO 3 – 2.810 kcal + low DLys 0,64%

TTO 4 – 2.810 kcal + very high DLys 0,56%

TTO 1 - 2.810kcal + very low

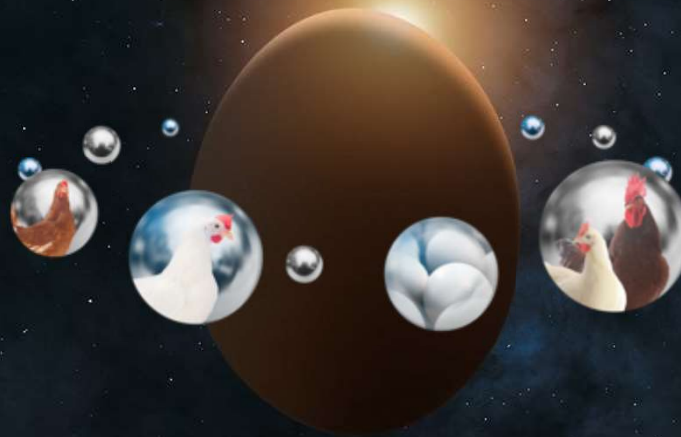


...and after 44 wk of age



- Molto bassa
- molto alta
- bassa
- - Standard
- - bassa-alta
- - alta-bassa
- alta
- - molto bassa-molto alta
- - molto alta-molto bassa

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