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The key to your profit!

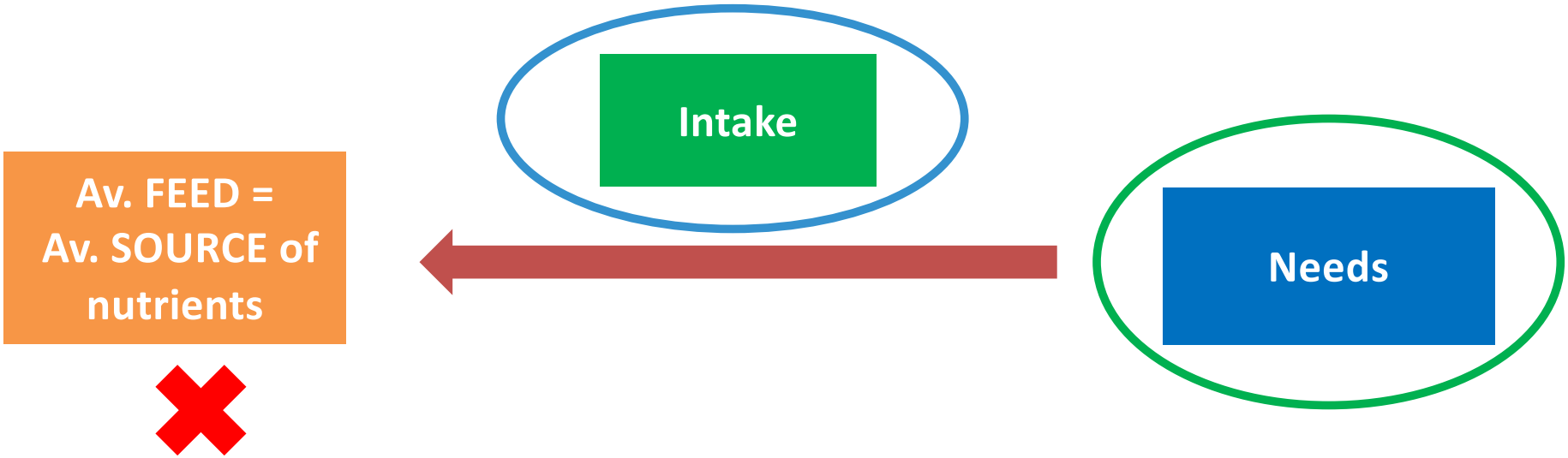
Keep the peak of production with average feed

H&N LAYER ACADEMY

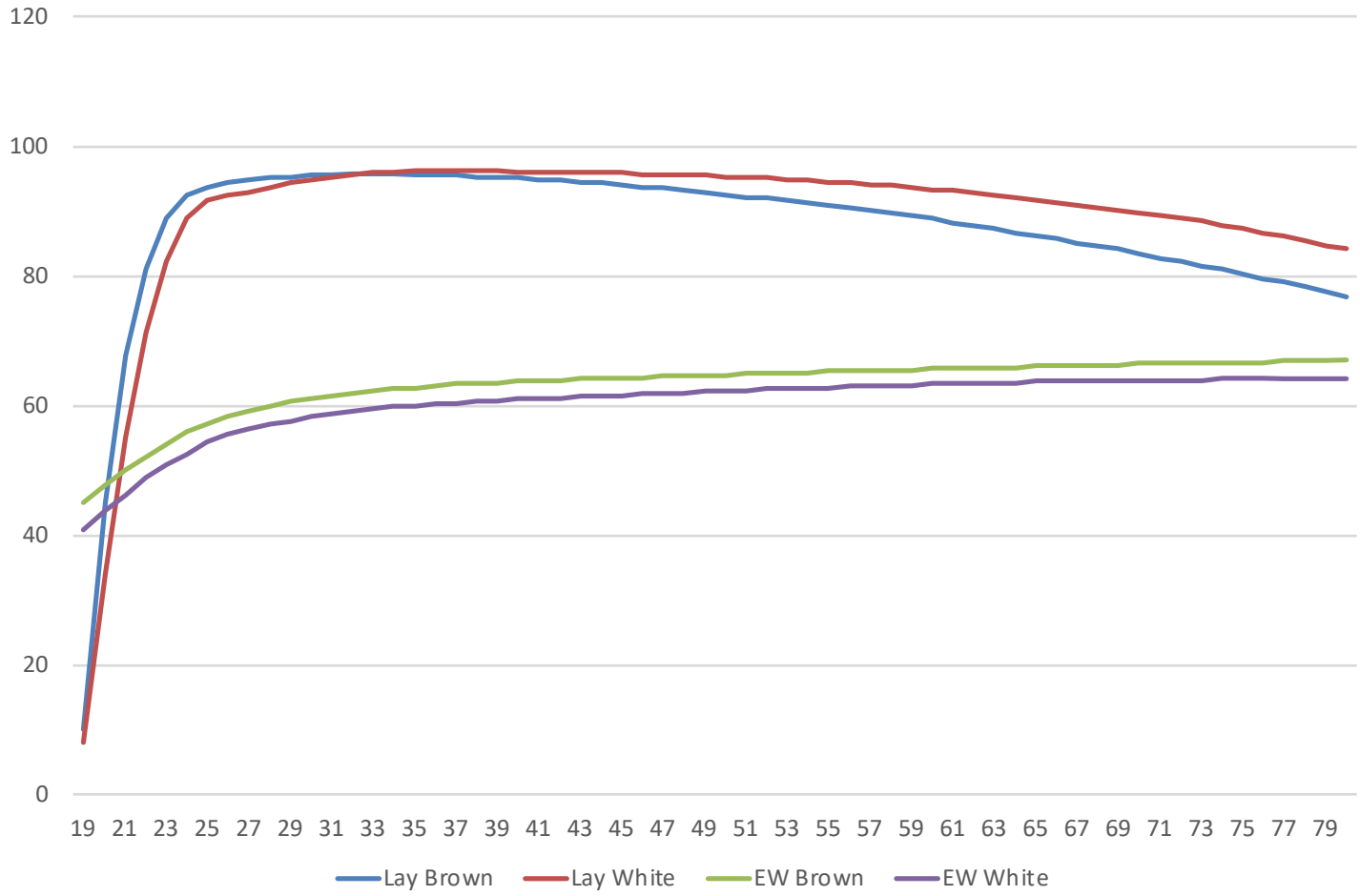
INTERACT WITH US!

Make use of our multiple-choice poll tool and pick what you think is correct.

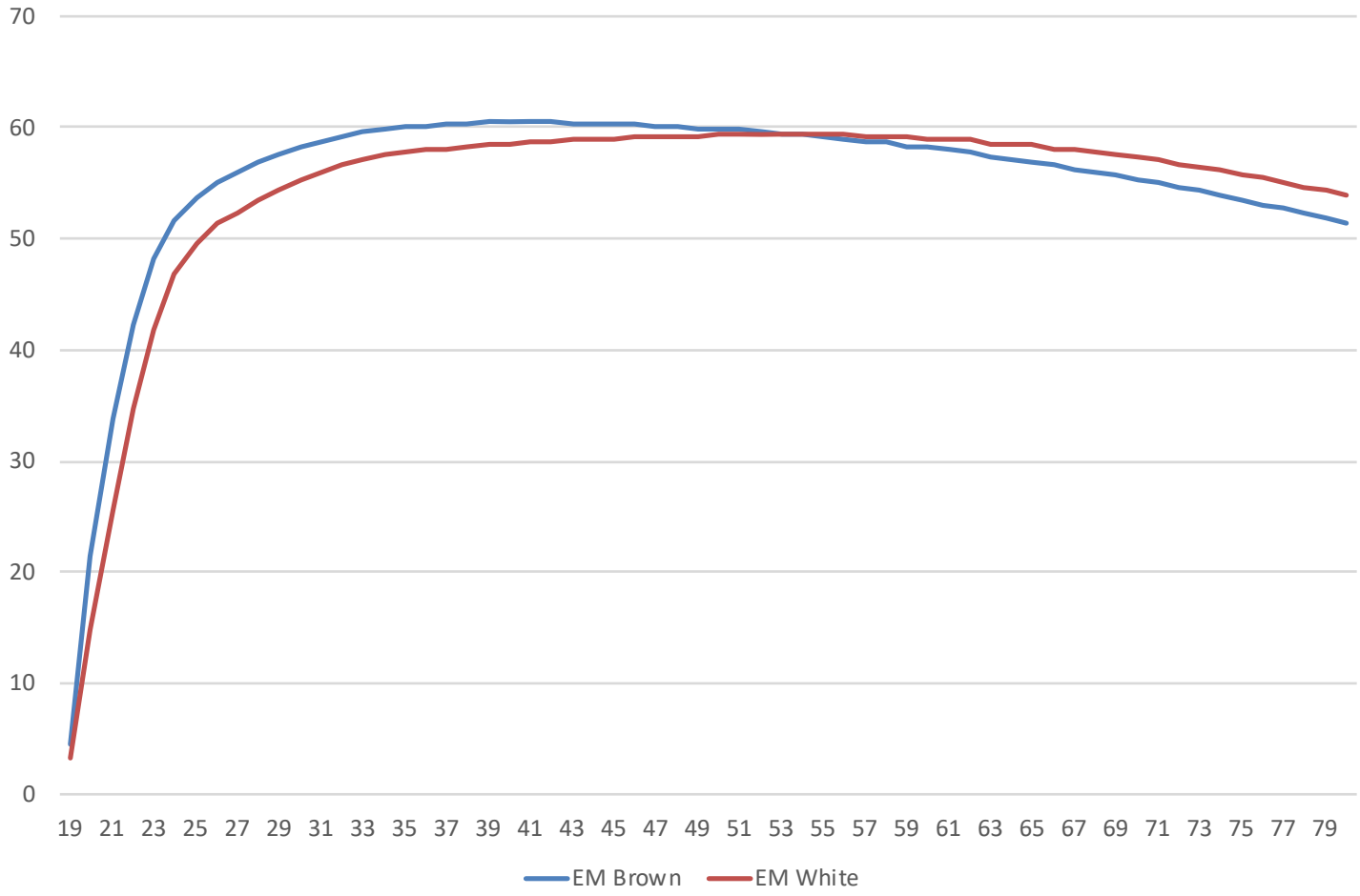
Objectives of the average feed



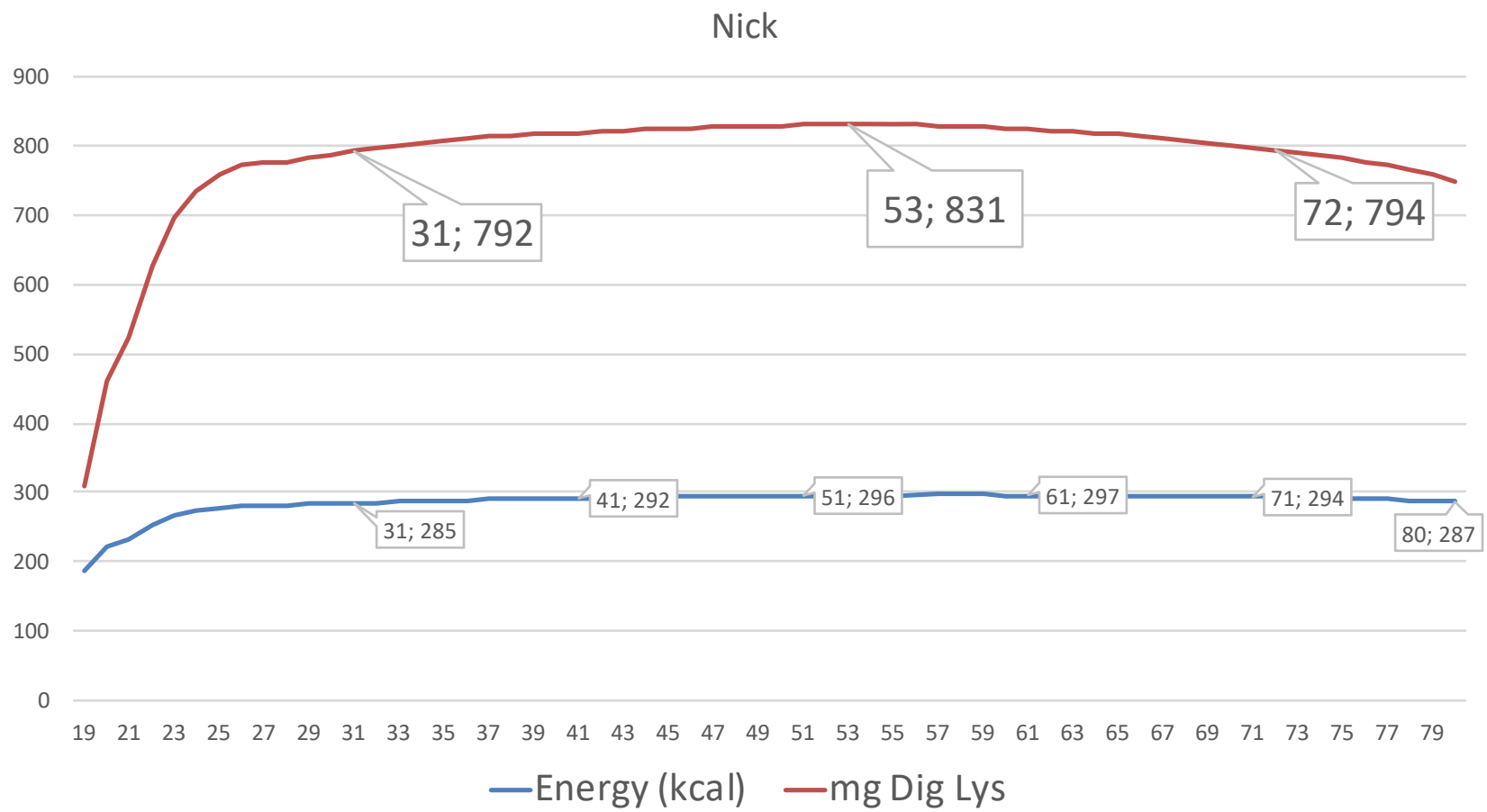
Production of the whites and brown birds



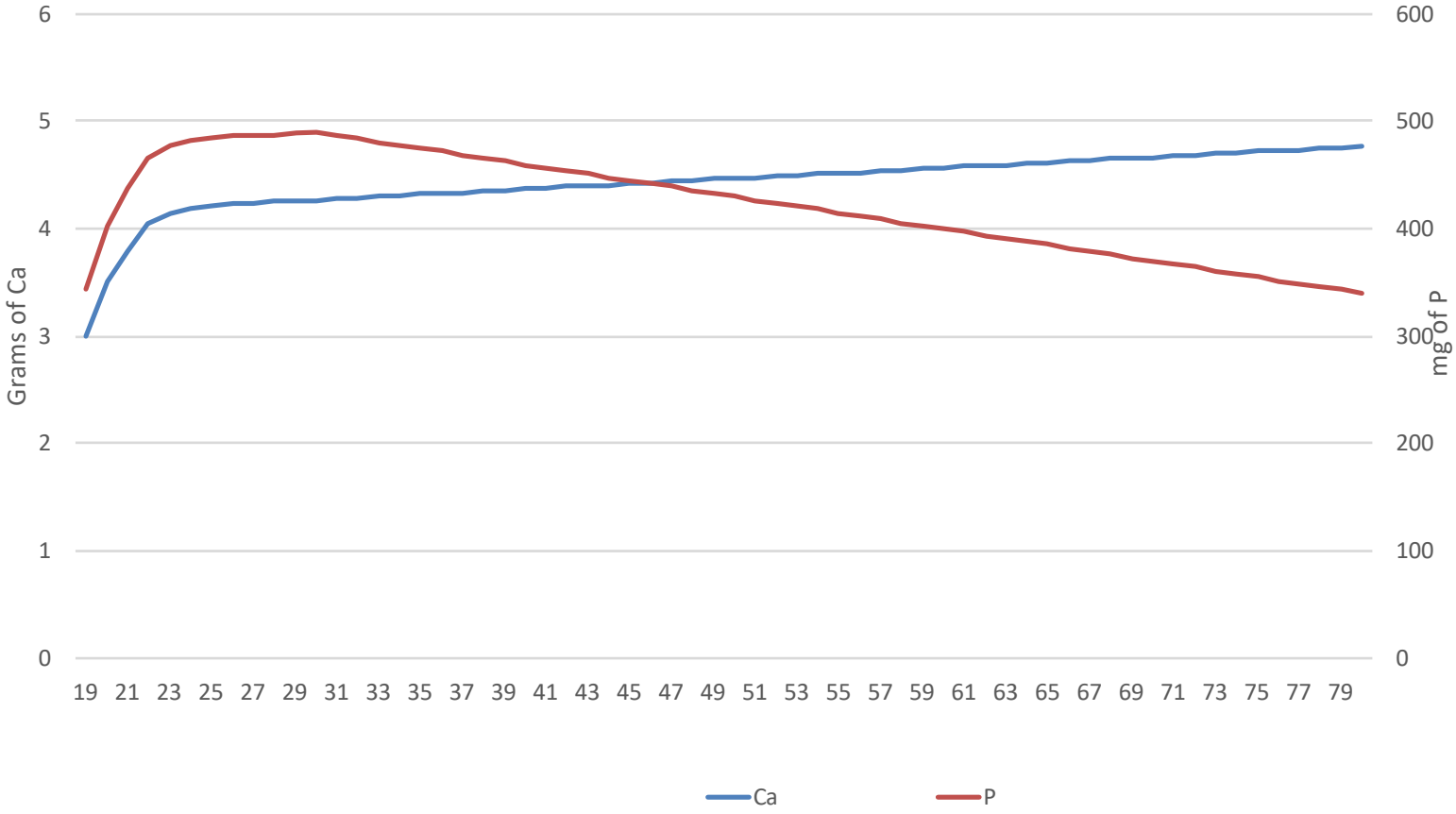
EGG MASS of the whites and brown birds



Need / day

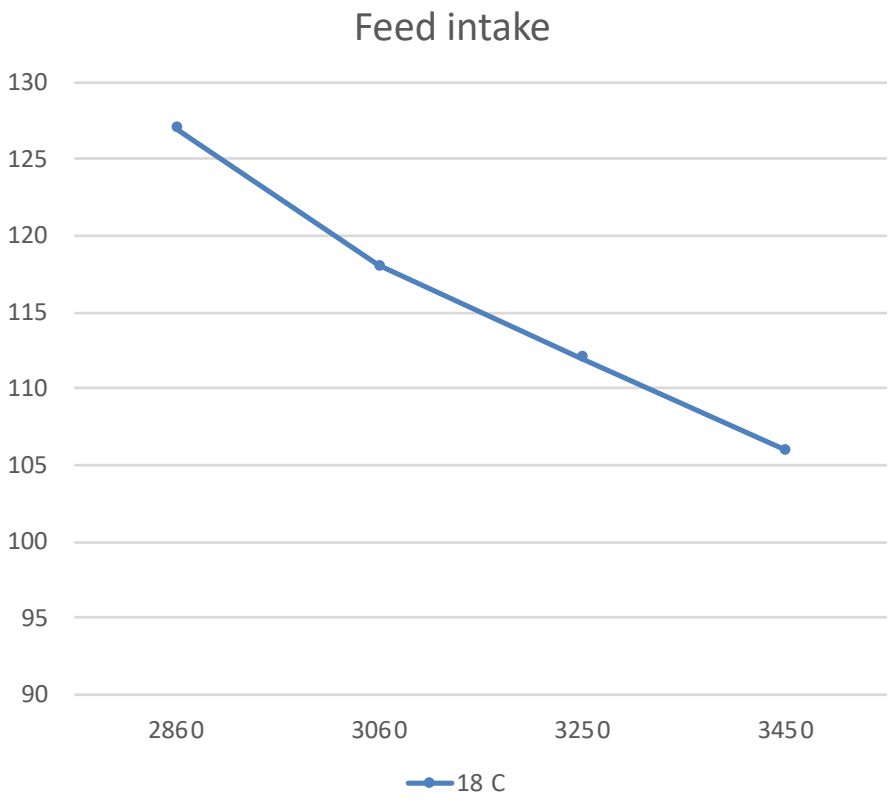

Nick
900
800
700
600
500
400
300
200
100
0
19 21 23 25 27 29 31 33 35 37 39 41 43 45 47 49 51 53 55 57 59 61 63 65 67 69 71 73 75 77 79
31; 792
53; 831
72; 794
31; 285
41; 292
51; 296
61; 297
71; 294
80; 287
Energy (kcal)
mg Dig Lys

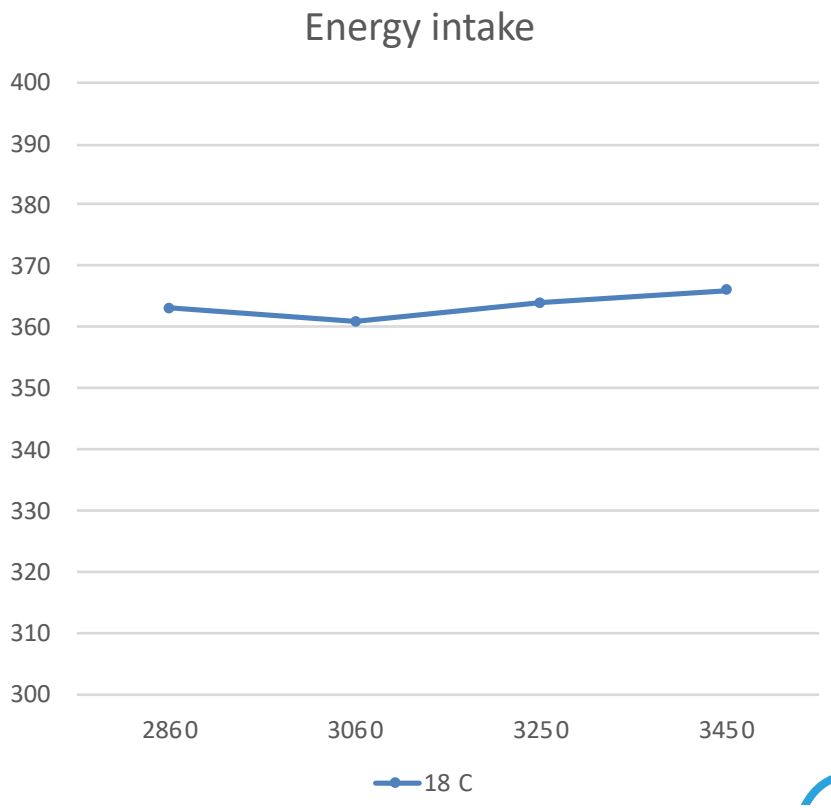
Calcium and Phosphorus



Feed intake is the key

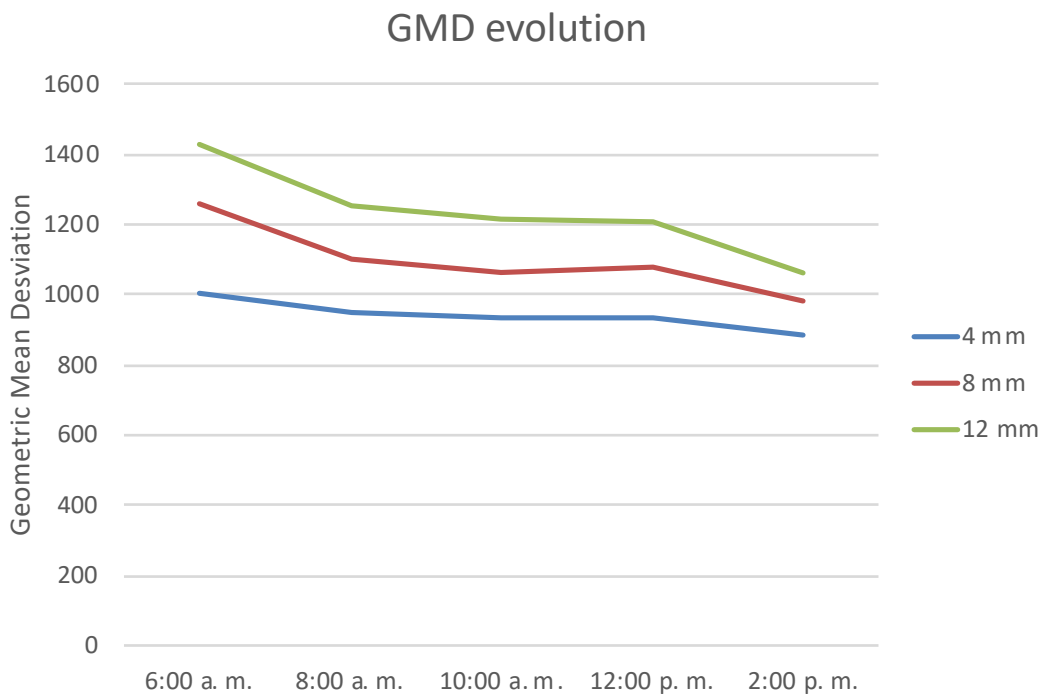
Feed intake behaviour – Best lab ever





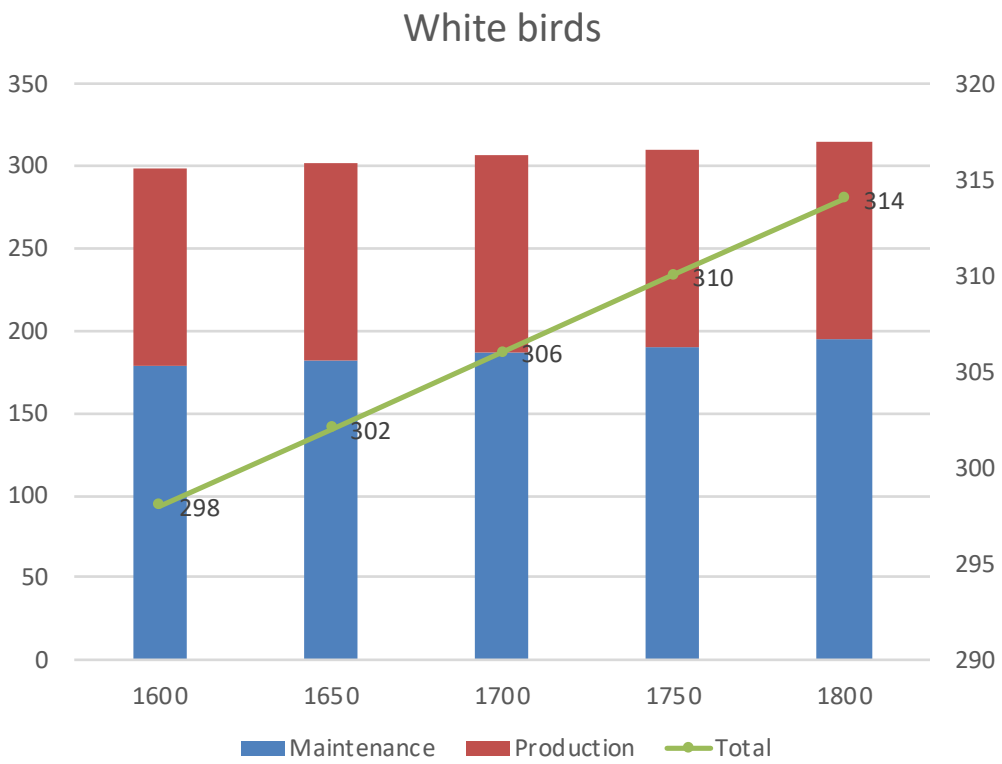
Courtesy of Steve Leeson

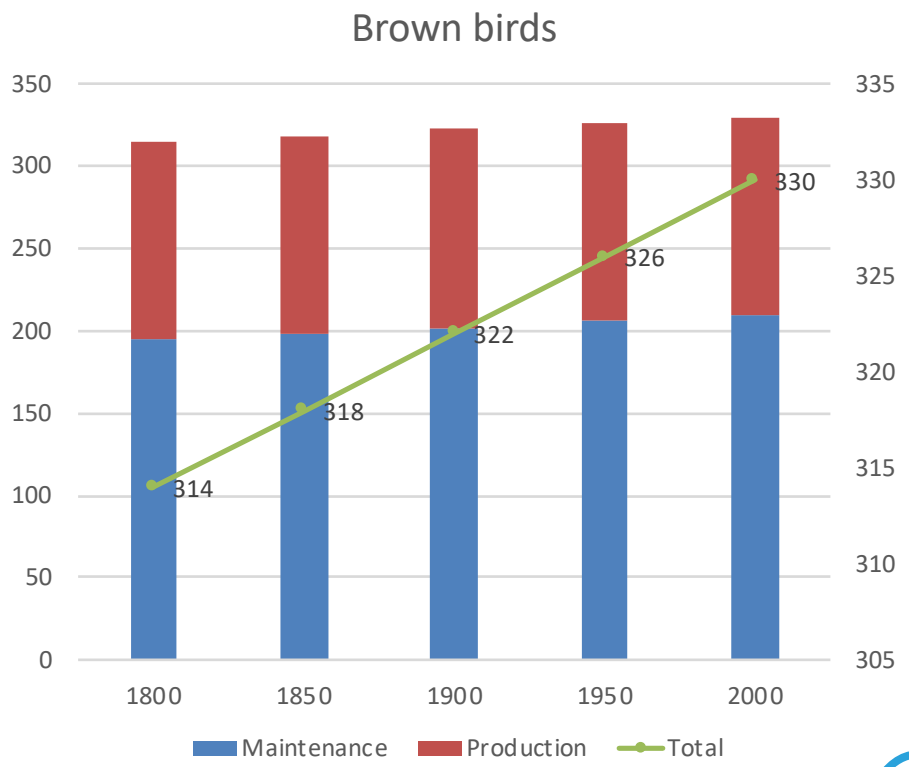
BUT - Hens like big particles



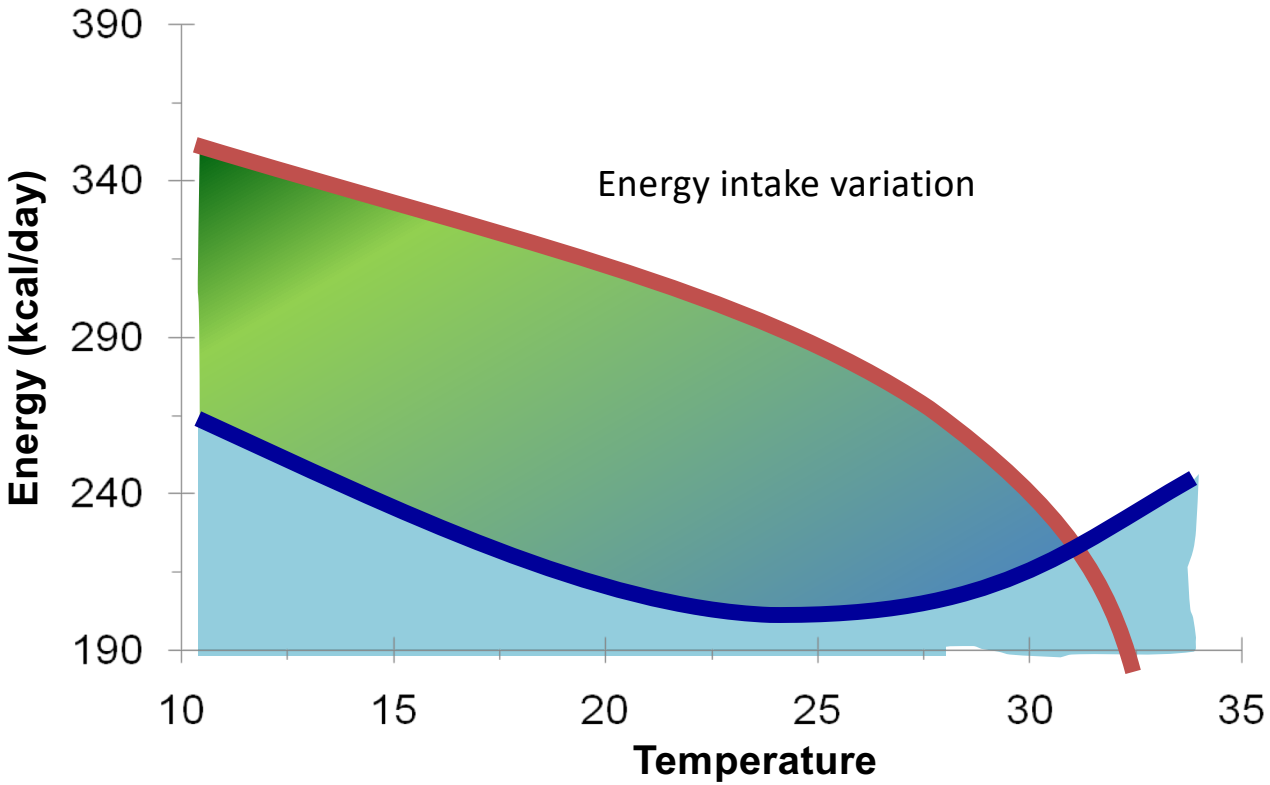
Adapted from Herrera et al
Poultry Science 97, 2018

Energy feed intake motivation





Effect of the temperature



Adaptaded from Leeson (2012)

FIRST - Take home message

1. The birds need to eat all the diet, coarse and fine particles.

2. Modern layer hen eats what it needs as long as the climate conditions allow it.

3. Controlling the climate conditions of the farm allows to buying different type of diets.

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The feed intake has an economical impact

MEn		2970	2835	2715
Feed intake		105	110	115
	mg / hen / day			
Dig Lysine	800	0.762	0.727	0.696
Dig Methionine	400	0.381	0.364	0.348
Dig Met + Cys	720	0.686	0.655	0.626
Dig Threonine	560	0.533	0.509	0.487
Dig Tryptophane	176	0.168	0.160	0.153
Cost ($)		402	370	337
Cost per hen ($)		0.0422	0.0407	0.0387

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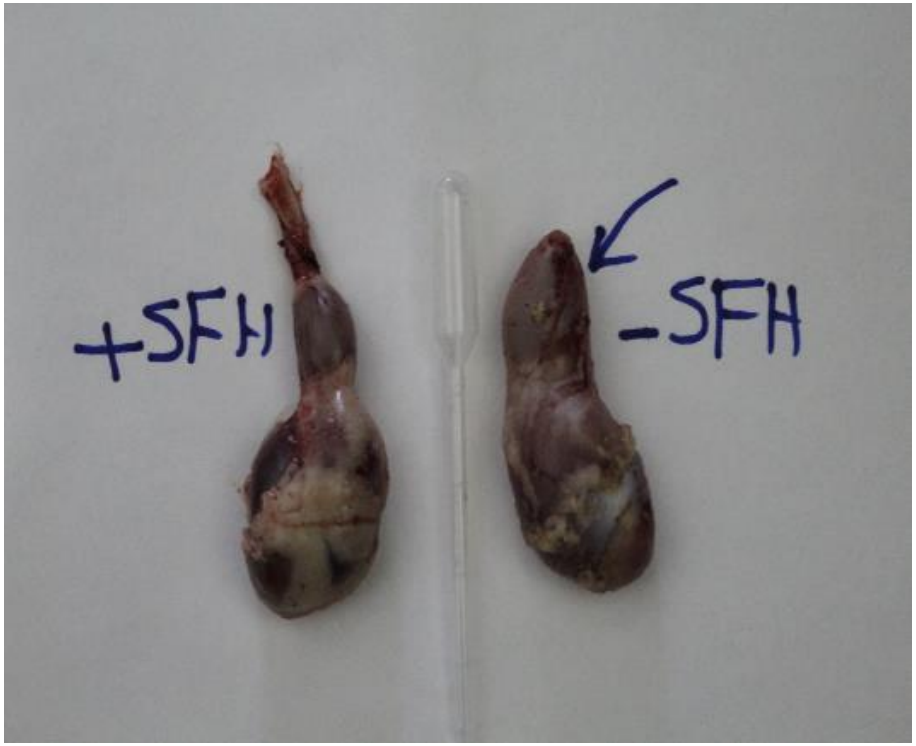
Feed intake is the key to be developed

Feed intake development - raring

g / Kg BW	Control	Fiber
Crop	4.5	6.8**
Proventriculum	2.63	3.03*



Kondra et al 1974,
Courtesy of G.Mateos

Hybrid feed – Keep feed intake development

Nutrient		
ME	Kcal / kg	2700
Dig Lys	%	0.8
Dig Met	%	0.4
Dig M+C	%	0.72
Dig Thr	%	0.56
Dig Trp	%	0.176
Ca	%	3.8
Av P	%	0.44
CF	%	4
Salt	%	0.28

Low energy

High amino acid

Enough to lay one egg and 60% coarse particle in particle form

Keep the feed intake development

Stimulate feed intake

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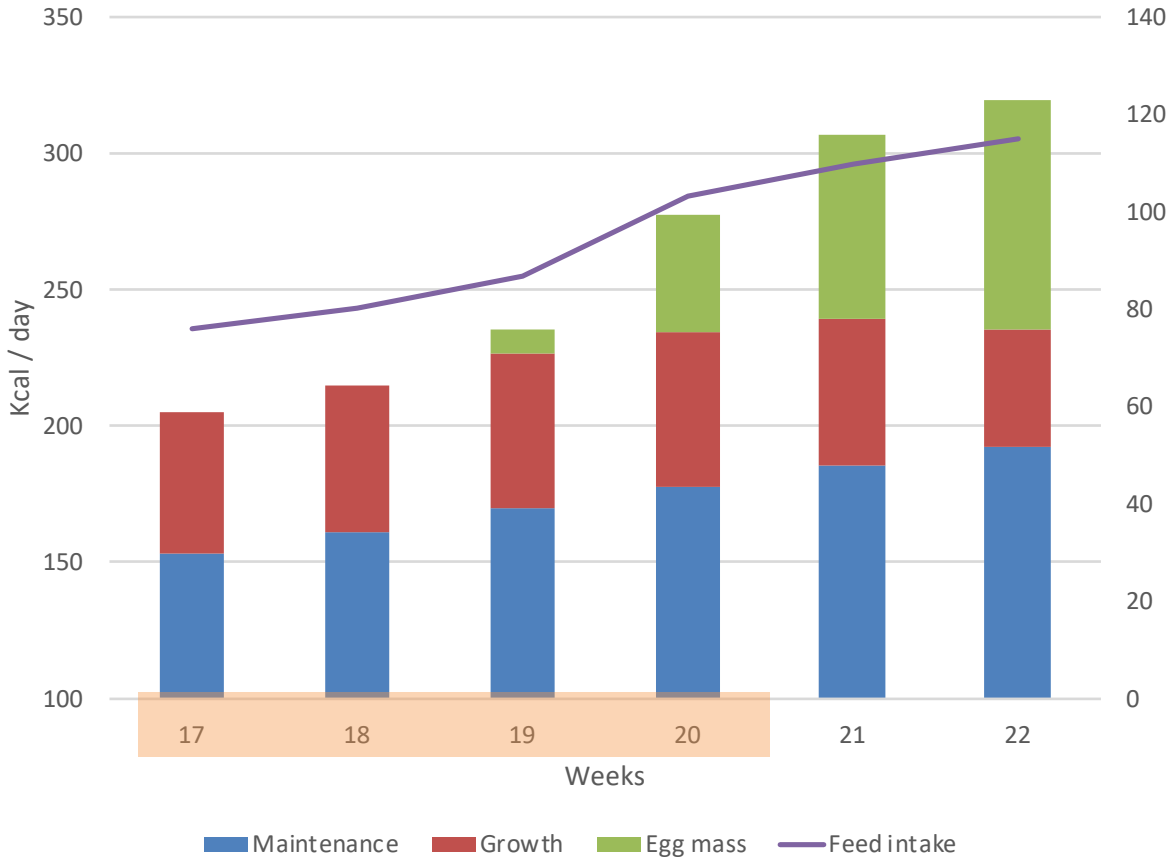
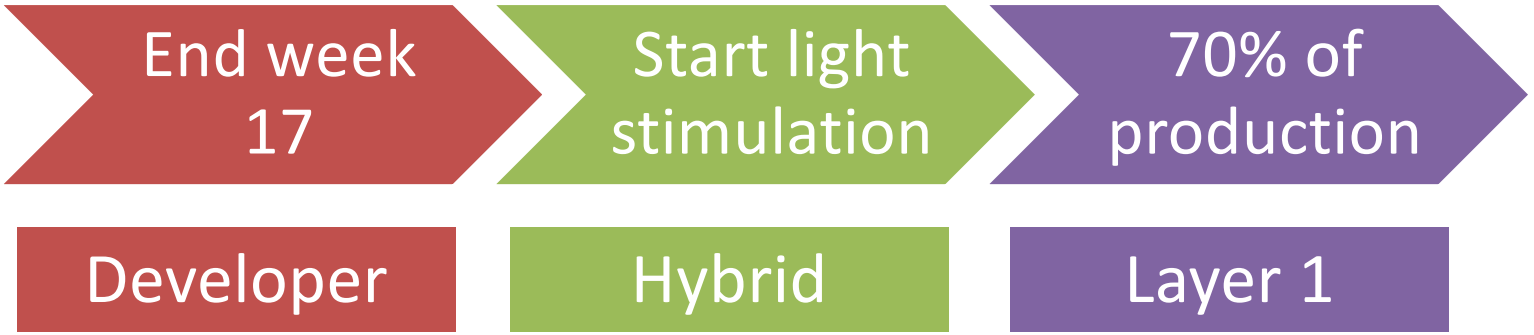
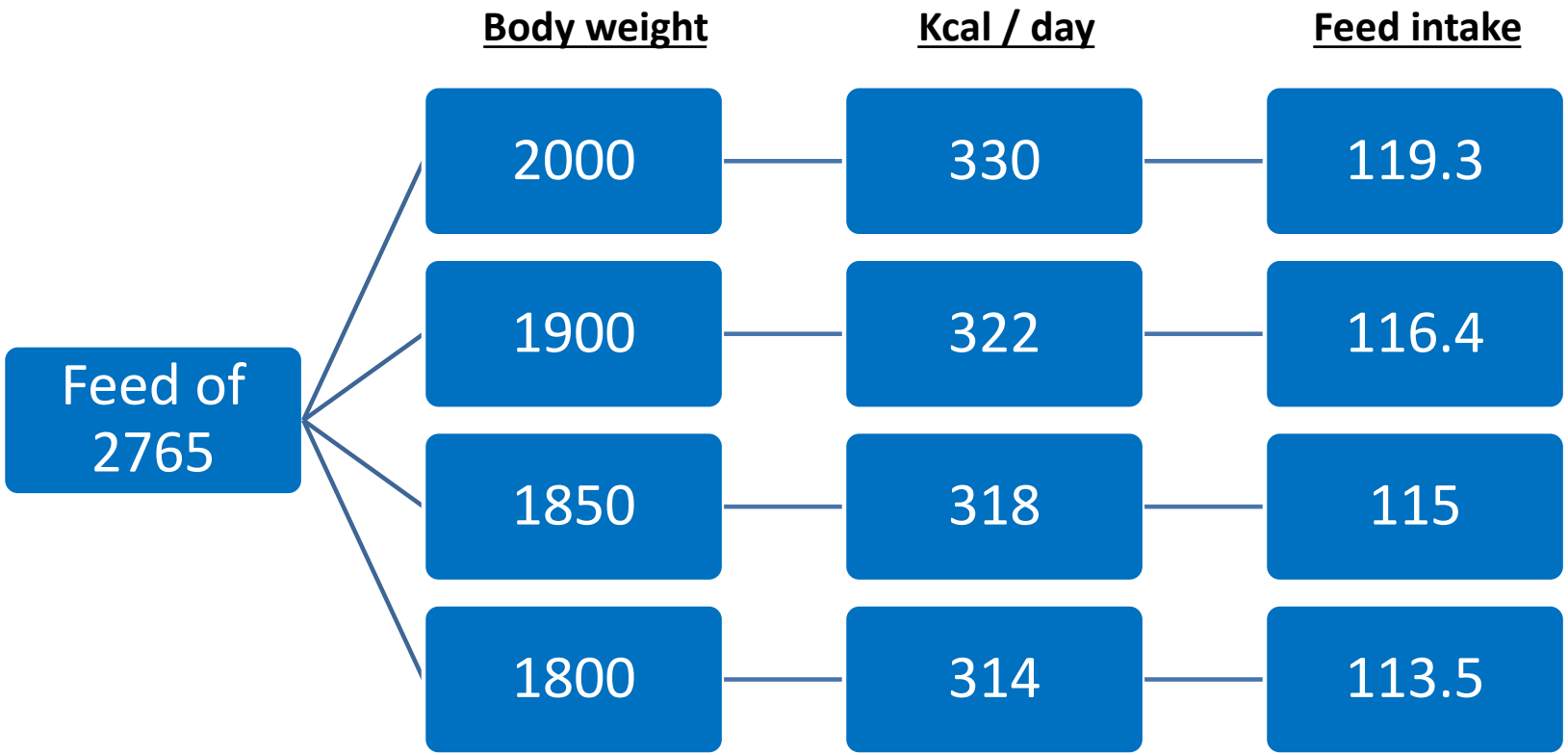
Expected feed intake for Hybrid



How to use the Hybrid



Uniformity


Body weight
Kcal / day
Feed intake
Feed of 2765
2000
330
119.3
1900
322
116.4
1850
318
115
1800
314
113.5

Uniformity factors

- Good brooding
- **Feeder space**
- Water availability
- Space per hen

SECOND – Take home message

1. Controlling climate conditions allow me to use cheaper feed or have flexibility on what I get.

2. Feed intake need to be developed before I get the average feed.

3. Uniformity will make easier to manage an “average” feed

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