

# Update on research activities

## Feed and feeding practices

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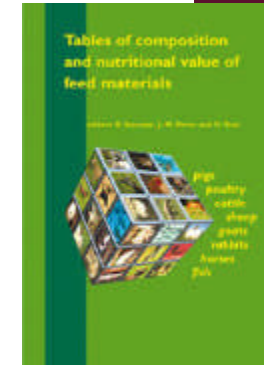


# Ongoing projects

-Net energy

-Feeding strategies

-Efficiency assessment



2 Walsh Fellows in September – No results yet

# Activities: Farm visits



- Visiting farms collecting feed samples and information on feeding practices (6)
- Visiting discussion groups (1)
- Receiving samples from advisors (Particular problems)

# Activities: Collecting formulas



Minimum legal requirement  
(order of ingredients, additives, no energy...)

VS.

Complete list of ingredients and nutrients  
(energy, amounts of ingredients...)

# Activities: Collecting samples



- First samples sent for analysis
- Priority to the finishing diets: Efficiency improvement
- When sending samples: Representative/500g minimum

# Types of diets



Different feeding strategies:

- Home milling: limited number of ingredients, cheaper ingredients
- Simple diets: personalized?, safer?
- Complex diets: big mills, by-products , variable

# Aims

- Check consistency of the diets over time
- Relate feeding strategy to efficiency

CP (Lys) / Energy – animal performance

- Address particular problems (ulcers, technical issues...)

# Analysis

LAB. REF.	150412	150413
SAMPLE DESCRIPTION	MMD 1 PELLET 25-3-15	MMD 2 PELLET 25-3-15
CRUDE PROTEIN (%)	17,86	17,84
DRY MATTER (%)	89,02	89,19
ASH (%)	4,54	4,54
CRUDE FIBRE (%)	2,98	2,84
ETHER EXTRACT (%)	2,57	2,39
GROSS ENERGY (cal/g)	3917	3934

AMINO ACIDS (%)		
Aspartic acid	1,41	1,42
Glutamic acid	3,15	3,19
Serine	0,71	0,67
Histidine	0,42	0,43
Glycine	0,66	0,67
Threonine	0,63	0,61
Arginine	0,98	0,97
Alanine	0,76	0,76
Taurine	0,00	0,00
Tyrosine	0,57	0,54
Cystine	0,28	0,27
Valine	0,76	0,79
Methionine	0,35	0,37
Phenylalanine	0,78	0,78
Isoleucine	0,66	0,69
Leucine	1,28	1,29
Lysine	1,30	1,28
Hydroxyproline	0,04	0,04
Proline	1,25	1,23
Tryptophan	0,23	0,26



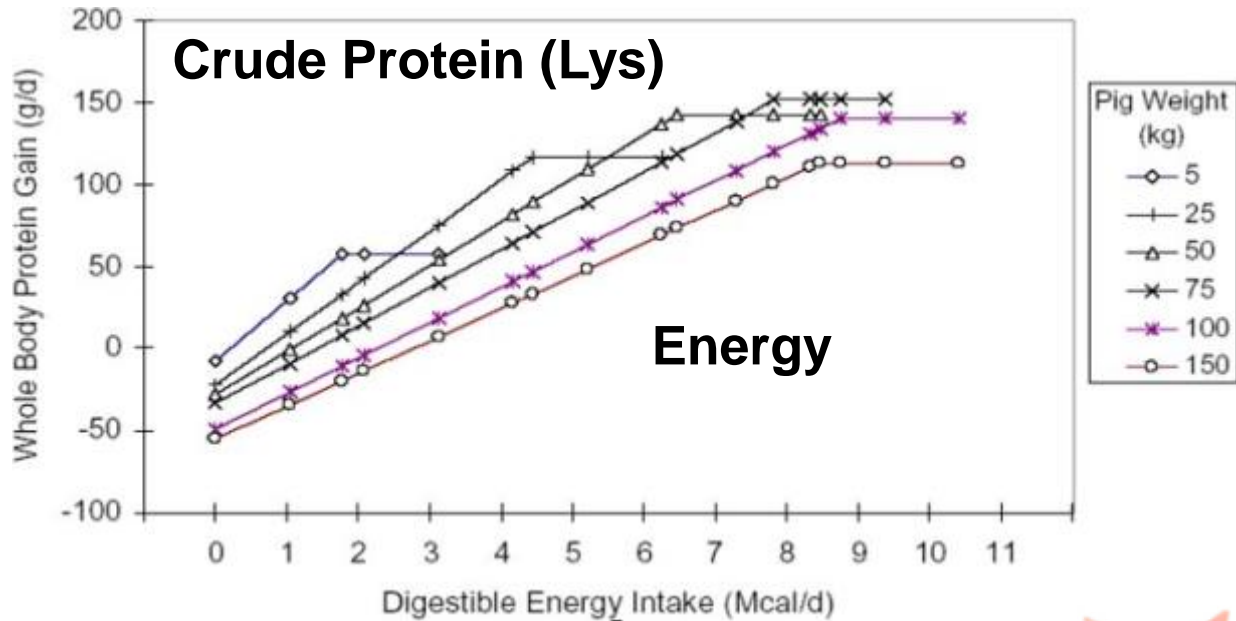
Particle size



NIR

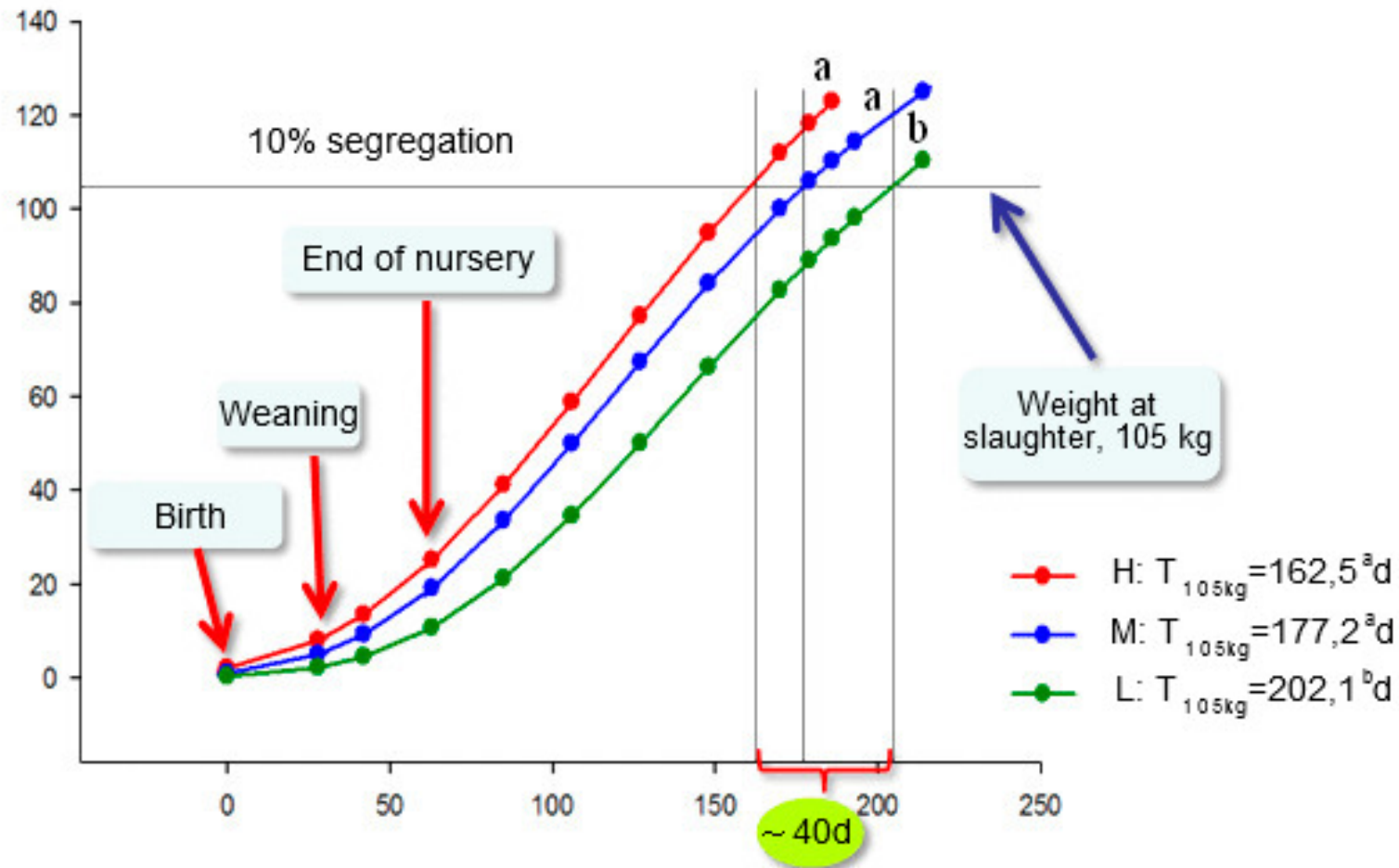


# Link to efficiency on farm



Pigsys / on farm measurements

# Efficiency on farm



Thanks for your attention

Questions or comments?

