

Feeding value of condensed distillers solubles for growing-finishing pigs

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Agriculture and Fisheries Policy Area

Feeding value of CDS for growing-finishing pigs

- Methods
- Results
- Take home message

Take home message

- Large variation between CDS sources
 - Source dependent matrix values will be necessary for accurate feed formulation

Feeding value of CDS for growing-finishing pigs



Methods

Methods

- 1 basal feed
- 5 CDS batches
- 6 animals per treatment (6x6=36)
 - 100% basal feed
 - 70% basal feed – 30% CDS (dry matter basis)

Methods



- Adaptation period I(5d)
 - Experimental feed – individual pen
- Adaptation period II(5d)
 - Experimental feed – digestibility cage
- Collection period (3+1d)
 - Collection of faeces and chymus

Methods

- Digestibility with Cr_2O_3 as marker
- DC= 100

Methods



	Diet	Basal feed	CDS
CP	117	67	50
DC			
Digested			

Methods



	Diet	Basal feed	CDS
CP	117	67	50
DC	79 ↓	86 ↓	?
Digested			

Methods



	Diet	Basal feed	CDS
CP	117	67	50
DC	79 ↓	86 ↓	?
Digested	92	58	→

Methods



	Diet	Basal feed	CDS
CP	117	67	50
DC	79 ↓	86 ↓	?
Digested	92	58	→ 34

Methods



	Diet	Basal feed	CDS
CP	117	67	50
DC	79	86	68
Digested	92	57	34 ↑



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Results

Results

	5 CDS	MIN	MAX
Organic matter	84.8	79.3	91.2
Crude protein	76.4	64.1	86.4
Crude fat(B)	83.4	75.2	87.9
Phosphorus	59.9	46.5	76.8

Results

	5 CDS	MIN	MAX
Net energy (fresh matter)	2.5	1.9	2.9
Net energy (dry matter)	8.9	7.7	9.7

Results

	5 CDS	MIN	MAX
Crude protein	74.8	57.7	83.6
Lysine	74.8	61.3	<u>93.8</u>
Arginine	85.3	74.5	<u>92.8</u>
Cystine	59.9	<u>41.9</u>	74.4
Aspartic acid	64.5	<u>46.1</u>	80.0



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Questions?



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