

Feed Pea Benchmark Project
March 25, 2009

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Outline

- Who is Pulse Canada?
- The Canadian pulse industry
- Feed Pea Network
- Peas in livestock diets
- Feed Pea Benchmark Project



Who are we?



Pulse Canada 

SASKATCHEWAN
pulse
Growers



Canada 

CSCA 

Pulse Canada 

Pulses Defined

Pulses: from the Latin puls meaning thick soup or potage, pulses are the edible seeds of plants of the legume family like pea, lentil, bean and chickpea.



Peas

Chickpeas



Lentils

Beans



FPN Advisory Group



Nutrition Values for Feed Peas

Digestibility coefficients of essential amino acids for swine* and poultry **

Table 4

Amino Acid	Swine true ileal digestibility, %	Poultry true digestibility, %
Arginine	90	90
Cystine	79	74
Histidine	89	87
Isoleucine	85	84
Leucine	86	86
Lysine	88	87
Methionine	84	82
Methionine + Cystine	82	78
Phenylalanine + Tyrosine	87	86
Threonine	83	83
Tryptophan	81	82
Valine	83	81

* NRC Swine, 1998

**Rhône-Poulenc, 1993

Available energy values* for feed peas (10% moisture basis)

Table 8

Animal	Energy type	Average value
Adult chicken	AME _n , kcal/kg	2600
	TME _n , kcal/kg	2640
Growing pig	DE, kcal/kg	3485
	ME, kcal/kg	3240
	NE, kcal/kg	2450
Cattle	TDN, %	78
	DE, Mcal/kg	3.47
	ME, Mcal/kg	3.08
	NEM, Mcal/kg	1.95
	NEG, Mcal/kg	1.33
	NEL, Mcal/kg	1.81

*Values are from NRC publications with modifications based on Ajinimoto, 1995 and Rhône-Poulenc, 1993.

Pulse Attributes

- Source of protein and energy
- Fix their own nitrogen = lower GHG emissions
- Potential benefits in terms of soil quality, water quality



Feed Pea Benchmark Project

Weekly reports can be found at <http://www.pulsecanada.com/benchmark>

For further information please contact Jeff Bond at jbond@pulsecanada.com or at 204-925-3781.

Funding provided by Agriculture and Agri-Food Canada under the Growing Forward initiative's Private Sector Risk Management Partnerships (PSRMP).

Canada 

Pulse Canada 