

NIRS Calibrations Available for Peas

Calibration equations for protein, methionine, methionine and cysteine, lysine, threonine, tryptophan, arginine, isoleucine, leucine and valine are available from a paper published by Fontaine et al. 2001 {2754}. The equations are based on sixty-eight pea samples received around the globe. Vern Racz and Dr. Tom Warkentin at the University of Saskatchewan are conducting further research into the development of carbohydrate equations. The development of NIR technology will aid in the rapid screening of new pea varieties.



Feed Research Strategy

Leading Canadian researchers from all aspects of the pulse industry recently met in Edmonton to discuss the future direction of pulse research. Discussions occurred within the areas of livestock nutrition, agronomics, human consumption and plant breeding. These are the 5 priorities that the Livestock Nutrition Group identified:

- Complete nutrient characterization
 - Develop NIR calibrations for rapid assessment
 - Evaluate feeding value of pulses
 - Develop processing technology to increase quality
 - Breed new varieties for feed use

Looking for Pulse Information?

Check out the following websites:

www.pulse.ab.ca, www.saskpulse.com, www.pulsecanada.com,

Chemical composition (%)

90% Dry Matter Basis

Nutrient	Feed Pea	Chickpeas	
		Desi	Kabuli
Crude Protein	22.60	20.5	19.7
Crude Fat	1.1	4.8	7.3
Lysine	1.67	1.37	1.29
Threonine	0.94	0.73	0.66
Methionine	0.27	0.31	0.26
Cystine	0.21	-	-
Tryptophan	0.24	-	-
Crude Fibre	5.50	9.1	3.4
Acid Detergent Fibre	8.19	12.08	4.8
Neutral Det. Fibre	16.65	19.58	8.44
Starch	46.80	-	-

Energy values of feed peas

Poultry	ME kcal/kg	2,650
	DE kcal/kg	3,485
	NE kcal/kg	2,450
Cattle	TDN %	78.3
	DE Mcal/kg	3,456
	ME Mcal/kg	3,078
	NEL Mcal/kg	1,809

SOURCE: Feed Pea Industry Guide and Prairie Feed Resource Centre

The **Feed Pea FOCUS** is published by:



For information about **The Feed Pea FOCUS** or to receive your copy call (780) 986-9398

Information on feeding peas is available from:

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