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## Wheat germ et germ oil meal

**IMPORTANT INFORMATION:** This datasheet is pending revision and updating; its contents are currently derived from **FAO's Animal Feed Resources Information System (1991-2002) and from Bo Göhl's Tropical Feeds (1976-1982).**

Description Nutritional aspects Nutritional tables References

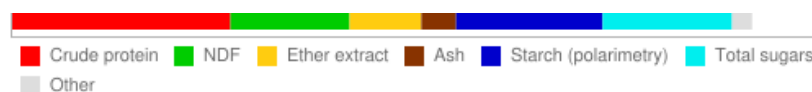
### Tables of chemical composition and nutritional value

- Wheat germs

Avg: average or predicted value; SD: standard deviation; Min: minimum value; Max: maximum value; Nb: number of values (samples) used

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#### Wheat germs



Main analysis	Unit	Avg	SD	Min	Max	Nb
Dry matter	% as fed	88.7	1.9	86.7	92.7	11
Crude protein	% DM	29.5	3.8	22.5	36.1	11
Crude fibre	% DM	4.0	1.5	1.7	6.0	10
NDF	% DM	16.1		12.5	19.7	2
ADF	% DM	4.2		3.6	4.9	2
Lignin	% DM	1.0	0.4	0.6	1.4	3
Ether extract	% DM	9.7	2.7	6.4	16.6	11
Ash	% DM	4.7	0.4	4.1	5.3	11
Starch (polarimetry)	% DM	19.8	4.0	15.2	22.2	3
Total sugars	% DM	17.5		14.6	20.4	2
Gross energy	MJ/kg DM	20.6		19.5	21.0	2 *

Minerals	Unit	Avg	SD	Min	Max	Nb
Calcium	g/kg DM	0.8	0.2	0.6	1.1	5
Phosphorus	g/kg DM	10.9	1.0	9.8	11.8	5
Potassium	g/kg DM	11.8		11.3	12.3	2
Magnesium	g/kg DM	2.7		2.7	2.7	2
Manganese	mg/kg DM	175				1
Zinc	mg/kg DM	170				1

Amino acids	Unit	Avg	SD	Min	Max	Nb
Alanine	% protein	5.2		4.7	5.6	2
Arginine	% protein	6.9	0.1	6.8	7.0	3
Aspartic acid	% protein	7.4		7.0	7.7	2
Cystine	% protein	1.3	0.2	1.1	1.5	3
Glutamic acid	% protein	13.5		12.9	14.0	2
Glycine	% protein	5.0	0.3	4.7	5.1	3
Histidine	% protein	2.1	0.1	2.0	2.2	3
Isoleucine	% protein	3.1	0.3	2.9	3.4	3
Leucine	% protein	5.7	0.0	5.7	5.7	3
Lysine	% protein	5.4	0.6	5.0	6.1	3
Methionine	% protein	1.7	0.1	1.6	1.8	3
Phenylalanine	% protein	3.3	0.2	3.1	3.5	3
Proline	% protein	4.0				1

Serine	% protein	3.7		3.7	3.7	2
Threonine	% protein	3.4	0.0	3.4	3.5	3
Tryptophan	% protein	0.8	0.3	0.5	1.0	3
Tyrosine	% protein	2.8				1
Valine	% protein	4.7	0.2	4.5	4.9	3

Ruminant nutritive values	Unit	Avg	SD	Min	Max	Nb
OM digestibility, Ruminant	%	85.6				*
Energy digestibility, ruminants	%	85.4				*
DE ruminants	MJ/kg DM	17.6				*
ME ruminants	MJ/kg DM	14.0				*

Pig nutritive values	Unit	Avg	SD	Min	Max	Nb
Energy digestibility, growing pig	%	83.8				*
DE growing pig	MJ/kg DM	17.2				*
ME <sub>n</sub> growing pig	MJ/kg DM	16.4				*
NE growing pig	MJ/kg DM	11.8				*

Rabbit nutritive values	Unit	Avg	SD	Min	Max	Nb
Energy digestibility, rabbit	%	89.7				*
DE rabbit	MJ/kg DM	18.4				1
ME <sub>n</sub> rabbit	MJ/kg DM	17.1				*
Nitrogen digestibility, rabbit	%	88.3				1

The asterisk \* indicates that the average value was obtained by an equation.

#### References

AFZ, 2011; CIRAD, 1991; Dewar, 1967; Friesecke, 1970; Hepburn et al., 1960; Kendall et al., 1982; Lechevestrier, 1992; Maertens et al., 1985

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### Datasheet citation

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