



# Rapeseed Extract



Rapeseed Extract provides a good source of rumen degradable protein as well as rumen by-pass protein with an amino acid profile beneficially similar to microbial and milk protein.

## Typical Analysis (on a dry matter basis)

Dry matter (%)	Energy (MJ ME/kg DM)	Crude protein (%)	Oil (%)	NDF (%)	Starch (%)	Sugar (%)	DUP (%)
88.5	11.8	37.5	4.5	30.0	6.0	10.0	11.3

## What are you trying to achieve?

Need	Feature	Benefit
Rumen degradable protein	Approximately two thirds of rapeseed meal protein is rumen degradable.	Excellent and cost effective protein complement to low protein forages.
Increase milk yield	A good source of high quality protein and rumen by-pass protein.	Allows the cow to maximise milk production.
Increase milk protein yield and liveweight gain		Provides the building blocks to drive milk protein synthesis, increasing value per litre and per cow as well as lean liveweight gain.
Flexibility in Feeding	Wide range of uses for many classes of livestock.	Simplifies feeding.

The predicted responses (benefits) assume that the specified nutrient, physical or structural dietary components are limiting livestock performance in the current ration.

## Complementary Concentrate Feeds

- **High starch feeds** e.g. cereals, maize meals, and confectionery and bakery products.
- **Low protein feeds** e.g. cereals, citrus pulp, soya hulls and sugar beet products.
- **Rumen bypass proteins** e.g. SoyPass, Prototec.



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## Recommended daily feed rates (per head basis)

Rapeseed Extract can be top dressed and used individually or as part of a blend or TMR.

Milking Cows	Up to 4 (typically 2)kg
Dry Cows	Up to 2 kg
Replacement Heifers	Up to 2 kg and up to 30% of the DMI
Calves (to 12 weeks)	Up to 0.75 kg and up to 20% of the DMI
Growing Cattle	Up to 1.5 kg and up to 30% of the DMI
Finishing Cattle	Up to 2 kg and up to 35% of the DMI
Suckler Cows	Up to 2 (typically 1)kg
Ewes and Rams	Up to 0.50 (typically 0.25)kg
Hoggets and Lambs	Up to 0.5 kg and up to 30% of the DMI

DMI = dry matter intake

### Availability, handling and storage

Rapeseed Extract is available all year round, UK wide, as bulk tipped loads. Like all dry feeds, they should be stored in a secure shed, bunker, bin or hopper and kept cool, dry and free from vermin.

### Additional information

#### Method of production

Whole Rapeseed is pre-cleaned, dried, flaked, cooked and pressed to remove the majority of oil, followed by a solvent extraction to remove most of the residual oil. The solvent is then removed, leaving a friable high protein meal.

#### Quality Assurance

Rapeseed Extract is a FEMAS-assured (or recognised equivalent) and marketed by KW Alternative Feeds a UFAS-accredited merchant. Rapeseed Meal is listed under number 2.14.3 in the EU Catalogue of Feed Materials.

#### Legal disclaimer

Suggested feeding rates are produced as a guide only and many other factors may have an overriding effect on animal response; no performance guarantee can be given. Rations should be carefully balanced for energy and protein, contain sufficient forage to maintain rumen function and be fortified with an appropriate vitamin and mineral supplement. Animals must have constant access to clean water.



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# Rapeseed Meal



## Detailed Typical Analysis (fresh basis other than where stated)

Dry matter	%	88.5	Calcium	g/kg	7.80
Oil A	%	3.00	Magnesium	g/kg	4.30
Oil B	%	4.45	Phosphorus	g/kg	10.0
Crude protein	%	33.5	Potassium	g/kg	11.6
Crude protein: DM	%	37.5	Salt	g/kg	1.00
Fibre	%	14.8	Sodium	g/kg	0.40
Ash	%	7.00	Copper	mg/kg	7.00
ME* – <i>in vivo</i>	MJ/kg DM	11.8	Manganese	mg/kg	57.0
NDF	%	27.0	Selenium	mg/kg	0.09
Starch	%	7.50	Zinc	mg/kg	60.0
Sugar	%	1.40	Saturates	% of oil	6.00
ERDP-FiM*	% @ 6%	19.8	Monounsaturates	% of oil	68.0
DUP-FiM*	% @ 6%	100	PUFAs	% of oil	26.0
DUP digestibility	%	75.0	Long chain PUFAs	% of oil	0.00
sDM		0.12	Lysine	% of CP	5.40
aDM		0.26	Methionine	% of CP	1.95
bDM		0.61	Cysteine	% of CP	2.39
cDM		0.11	Histidine	% of CP	2.65
sN		0.10	Threonine	% of CP	4.20
aN		0.23			
bN		0.70			
cN		0.11			



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