



Rapeseed Expeller



Rapeseed Expeller is a high energy, hot pressed rapeseed expeller supplying significantly higher energy (~10%) and post rumen protein digestibility than rape seed meal extract due to higher retained rumen friendly oil and avoidance of the heat used in the recovery of hexane used in extracted meals.

This is a different to 'cold' pressed rape seed meal which, in the absence of heat, does not de-activate the enzyme myrosinase that breaks down glucosinolates to anti-nutritive factors that reduce performance.

Typical Analysis (on a dry matter basis)

Dry matter (%)	Energy (MJ ME/kg DM)	Crude protein (%)	Oil (%)	NDF (%)	Starch (%)	Sugar (%)	DUP (%)
88.0	13.2	35.2	10.8	26	5.7	9.0	10.1

What are you trying to achieve?

Need	Feature	Benefit
Drive intakes	A source of high quality protein, superior to soya and matched amino acid profile to milk protein, in a palatable form	Ruminants will increase intake to provide energy to match the additional supply of amino acids in rapeseed expeller.
Reduce feed costs	A higher energy and amino acid digestibility than rape seed meal extract	Allows performance to be maintained while reducing the overall protein need saving feed costs
Increase milk yield / growth rate	A higher energy and amino acid digestibility than rape seed meal extract	Increased milk yield or live weight gain
Flexibility in feeding	Dry and free-flowing meal, suitable for wide range of uses for many classes of livestock	Simplifies feeding and storage

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 for Ruminants

- **High starch feeds** e.g. cereals, maize meals, confectionary and bakery products.
- **Low protein feeds** e.g. cereals, citrus pulp, soya hulls and sugar beet products.
- **Rumen bypass protein boosters** e.g. SoyPass
- **Rumen bypass fats** e.g. Golden Flake, Butterfat Extra



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Recommended daily feed rates (per head basis)

Rapeseed Expeller can be fed, top dressed, used individually or as part of a blend or TMR.

Milking Cows	Up to 4 (typically 2)kg
Dry Cows	Up to 2.0 kg
Replacement Heifers	Up to 2 kg and up to 25% of the DMI
Calves (to 12 weeks)	Up to 0.75 kg and up to 20% of the DMI
Growing Cattle	Up to 2 kg and up to 25% of the DMI
Finishing Cattle	Up to 3 kg and up to 30% of the DMI
Suckler Cows	Up to 2 (typically 1)kg
Ewes and Rams	Up to 0.5 (typically 0.25)kg
Hogget's and Lambs	Up to 0.5kg and up to 25% of the DMI
Horses	Seek advice from your supplier as rates vary depending on stage and activity

DMI = dry matter intake

Availability, handling and storage

Rapeseed Expeller is available all year round, UK wide and is delivered direct to farm in bulk.

Rapeseed Expeller should be stored out of direct sunlight, in a cool, dry and well-ventilated environment and should be used within three months of delivery.

Additional information

Method of production

Rapeseed Expeller is produced at a new state of the art rapeseed expelling facility, where whole rape seeds are heated and pressed to expel the oil without the use of a hexane solvent.

Recovery of hexane solvent using heat has been shown to reduce protein digestibility, is not used in the manufacture of Rapeseed Expeller.

Quality Assurance

Rapeseed Expeller is a FEMAS assured fully traceable, product, marketed by Trident Feeds – a UFAS accredited merchant. Rapeseed Expeller is listed under Rapeseed expeller feed number 2.14.6 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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Detailed Typical Analysis (fresh basis other than where stated)

Dry matter	%	88.0	Calcium	g/kg	7.5
Oil A	%	8.5	Magnesium	g/kg	3.5
Oil B	%	9.5	Phosphorus	g/kg	8.5
Crude protein	%	31.0	Potassium	g/kg	10.5
Crude protein: DM	%	35.2	Salt	g/kg	1.7
Fibre	%	11.5	Sodium	g/kg	0.2
Ash	%	6.0	Copper	mg/kg	5.0
ME* – <i>in vivo</i>	MJ/kg DM	13.2	Manganese	mg/kg	50.0
NDF	%	23.0	Selenium	mg/kg	0.09
Starch	%	5.0	Zinc	mg/kg	50.0
Sugar	%	8.0	Saturates	% of oil	8.4
ERDP-FiM*	% @ 6%	18.4	Monounsaturates	% of oil	61.0
DUP-FiM*	% @ 6%	10.1	PUFAs	% of oil	30.5
DUP digestibility	%	80.0	Long chain PUFAs	% of oil	0.1
sDM		0.12	Lysine	% of CP	5.75
aDM		0.24	Methionine	% of CP	2.00
bDM		0.63	Cysteine	% of CP	2.40
cDM		0.09	Histidine	% of CP	2.80
sN		0.10	Threonine	% of CP	4.50
aN		0.38			
bN		0.60			
cN		0.089			



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