



# Molassed Sugar Beet Shreds



A high digestible fibre and sugar energy, palatable feed supplied as shreds that afford physical structure to a ration.

## Typical Analysis (on a dry matter basis)

Dry matter (%)	Energy (MJ ME/kg DM)	Crude protein (%)	Oil (%)	NDF (%)	Starch (%)	Sugar (%)	DUP (%)
89.0	12.5	11.0	1.4	30.0	1.0	20.0	2.9

## What are you trying to achieve?

Need	Feature	Benefit
Open the structure of the ration	Presented as dried shreds.	Opens the ration stimulating more active rumen function.
Drive intake	A highly palatable feed.	Can stimulate intakes of less palatable feeds, increasing milk and meat production.
Increase milk fat %	A good source of digestible fibre.	Provides the building blocks for milk fat synthesis, increasing value per litre.
Increase energy intakes	Good levels of non-starch digestible fibre energy.	Allows energy intakes to be increased without increasing the risk of acidosis associated with cereal feeding.
Minimise risk of acidosis	High content of digestible fibre.	Assists in maintaining an optimum rumen pH.

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 confectionary and bakery products.
- **High protein feeds** e.g. soya bean meal, rapeseed meal, wheat distillers.

### Recommended daily feed rates (per head basis)

Molassed Sugar Beet Shreds can be fed as part of a TMR or as a concentrate feed.

Milking Cows	Up to 6 (typically 3)kg
Dry Cows	Up to 2 kg
Replacement Heifers	Up to 2 kg and up to 40% of the DMI
Calves (to 12 weeks)	Up to 1.5 kg and up to 40% of the DMI
Growing Cattle	Up to 2.5 kg and up to 40% of the DMI
Finishing Cattle	Up to 5kg and up to 50% of the DMI
Suckler Cows	Up to 4 (typically 2)kg
Ewes and Rams	Up to 1 (typically 0.5) kg
Hoggets and Lambs	Up to 1 kg or up to 50% of the DMI

DMI = dry matter index

### Availability, handling and storage

Molassed Sugar Beet Shreds are available all year round, UK wide in bulk tipped loads. Like all dry feeds, they should be stored in a secure shed or bunker and kept cool, dry and free from vermin.

Molassed Sugar beet Shreds should be used within 12 months of delivery.

### Additional information

#### Method of production

Molassed Sugar Beet Shreds are a co-product from sugar production. Once the sugar has been diffused out from the beet, the fibrous residues are combined with molasses and dried as shreds.

#### Quality Assurance

Molassed Sugar Beet Shreds are FEMAS assured (or a recognised equivalent). Molassed Sugar Beet Shreds (Dried (sugar) beet feed, molassed) are listed under number 4.1.11 in the EU Catalogue of Feed Materials.



## Molassed Sugar Beet Shreds - Dried (sugar) beet feed, molassed

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

Dry matter	%	89.0	Calcium	g/kg	5.00
Oil A	%	0.50	Magnesium	g/kg	0.80
Oil B	%	1.25	Phosphorus	g/kg	0.80
Crude protein	%	9.80	Potassium	g/kg	20.0
Crude protein: DM	%	11.0	Salt	g/kg	1.00
Fibre	%	11.0	Sodium	g/kg	0.20
Ash	%	11.0	Copper	mg/kg	7.00
ME* - in vivo DM	MJ/kg	12.5	Manganese	mg/kg	35.0
NDF	%	26.7	Selenium	mg/kg	0.09
Starch	%	0.59	Zinc	mg/kg	20.0
Sugar	%	20.0	Saturates	% of oil	23.0
ERDP-FiM*	% @ 6%	4.33	Monounsaturates	% of oil	11.0
DUP-FiM*	% @ 6%	3.16	PUFAs	% of oil	66.0
DUP digestibility	%	70.0	Long chain PUFAs	% of oil	0.00
sDM		0.20	Lysine	% of CP	5.31
aDM		0.50	Methionine	% of CP	1.26
bDM		0.40	Cysteine	% of CP	1.52
cDM		0.11	Histidine	% of CP	3.92
sN		0.12	Threonine	% of CP	4.55
aN		0.32			
bN		0.63			
cN		0.06			