

Why Feed Molasses based blends?



For many years NWF Agriculture have been supplying UK farmers with top quality molasses blends.

Feeding a molasses blend is the easiest way to supply a good source of sugar, an essential in any well balanced diets. Sugar helps maximise herd health, performance and fertility, as well as fuelling the rumen microbes to stimulate dry matter intakes.

Sugar: The essential ingredient for success

The addition of sugar in the form of molasses in rations for ruminants has a long history. It started, in fact, with the purpose of making the ration more palatable and avoiding sorting. However, in the last few years, it has been shown to play an important role for the optimal functioning of the rumen.

Fibre Digestion

Forage is the lowest cost feed source available. Therefore maximising the fibre digestions of home-grown forages is vital for cost effective milk production or liveweight gain. Farm trials have shown a 17% improvement in fibre utilisation after using a molasses based liquid feed.

Molasses as a protein source

Regulated release is a unique patented liquid feed technology, designed to give rumen bacteria exactly what they need to thrive. A balanced and synchronised supply of energy and protein will help increase microbial protein production and improve animal performance. With a higher yield of microbial protein, less extra protein in the form of soya or bypass protein needs to be fed. Therefore, maximising rumen performance and allowing cost effective production.

Regulated release allows urea to act as a highly cost effective nitrogen source, controlling its release to mimic the behaviour of natural protein. As molasses is the carrier to a protein product, it provides readily available energy to balance the rumen degradable protein, promoting rumen activity.



NWF Agriculture is a national supplier of high quality dairy, beef and sheep liquid feeds to UK farmers. Whatever your farming system we can supply ED&F Man molasses and storage tanks.

Molasses blends can be fed in a number of ways including

- as part of a TMR
- top dressed over feed
- through one of ED&F Man lick feeders.

ED&F Man molasses blends are typically available in delivery sizes from 1 to 29 tonnes. Bulk storage tanks are available in 12, 20, 24 and 30 tonne capacities, with optional stand, extended fill line and fittings as optional. We can offer flexible interest free finance options.



For information on standard or bespoke molasses contact your NWF Sales Specialist, call **0800 756 2787** or email **nbteam@nwfagriculture.co.uk**



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Molasses Blends

Molasses for your livestock



Molasses Range	Dry Matter** (%)	Total Sugars (%)	ME (MJ/kg)	Crude Protein (%)	Feeding Suitability
Standard molasses	74	64	12.7	6.5	Sheep and Cattle
Economol	71	64	12.7	6.5	Sheep and Cattle
Molale	60	42	13.2	16	Cattle
Millspec 20	68	55	12.1	8*	Sheep and Cattle
Stockmol 20	70	56	12.5	10	Sheep and Cattle
Potblack	60	44	12.3	23.5	Sheep and Cattle
Regumix 27	67	53	13.1	27	Sheep and Cattle
Regumaize 44	69	55	11.8	44	Cattle
Regumaize 65	67	50	11.4	65	Cattle
Regupro 38	60	30	12.5	38	Cattle
Regupro 50	60	42	12.6	50	Cattle
Sticky Energy	50	28	12.7	26	Sheep and Cattle
Sheepmol	69	48	13.5	7	Sheep

*Dependant on raw material availability. All products subject to availability. **Dry matter basis

Why Feed Molasses Blends?

Feeding a molasses is an easy way to supply a good source of sugar. In a well-balanced diet molasses will help maximise herd health, performance and fertility whilst also fueling the rumen microbes and stimulating dry matter intakes.

Although molasses is renowned for its palatability, reducing sorting and dust presence we now understand that liquid feeds also have a functional role within a ration formulation for:

- Higher dry matter intake, milk production and quality
- Improved fibre digestion and nutritional efficiency
- Reduced risk of SARA and rumen mucosa damage
- Manipulation of rumen fermentation

FRESHGUARD

Prevents the TMR from heating up due to aerobic spoilage causing waste. This can be a particular problem when feeding high levels of moist feeds or maize/wholecrop silage. Freshguard can be added to any of NWF's molasses blends. Benefits include improved dry matter intakes, reduced feed wastage and improved performance.



Improve ration management by adding a molasses blend

The formulation of a balanced TMR can be in vain if cows sort through the ration, selecting the tastier concentrate and leaving the fibrous components. Forage is the lowest cost feed source, therefore maximising the fibre digestion of home-grown forages is key.

Insufficient intakes of fibre will cause sub acute rumen acidosis (SARA), leading to inefficient feed utilisation, depressed production, lameness, ketosis, lower butterfat levels and loose dung.

The addition of a molasses blend to a TMR has been shown to reduce sorting. It makes the meal/concentrate ingredients stick to the forage which makes it more difficult for cows to sort out the ration. Secondly, as the ingredients are all coated with the molasses blend, this makes any unpalatable components easier to consume helping to increase DMI.

A Penn State sieve test trial has shown that reducing sorting by feeding molasses blend results in a more consistent rumen pH, increases in herd milk yield and butterfat level. In addition cows will have more consistent dung, reduction in mastitis, less acidosis, less bullying, more consistent body condition across the herd and improved fertility.

First signs of a sorting problem:

- Bullying at the trough
- Loose dung in some but not all cows
- (SARA) Acidosis in some cows
- Nuzzling the trough

NWF can also provide bespoke molasses blends. Please contact your sales specialist or call if you have any questions or queries.