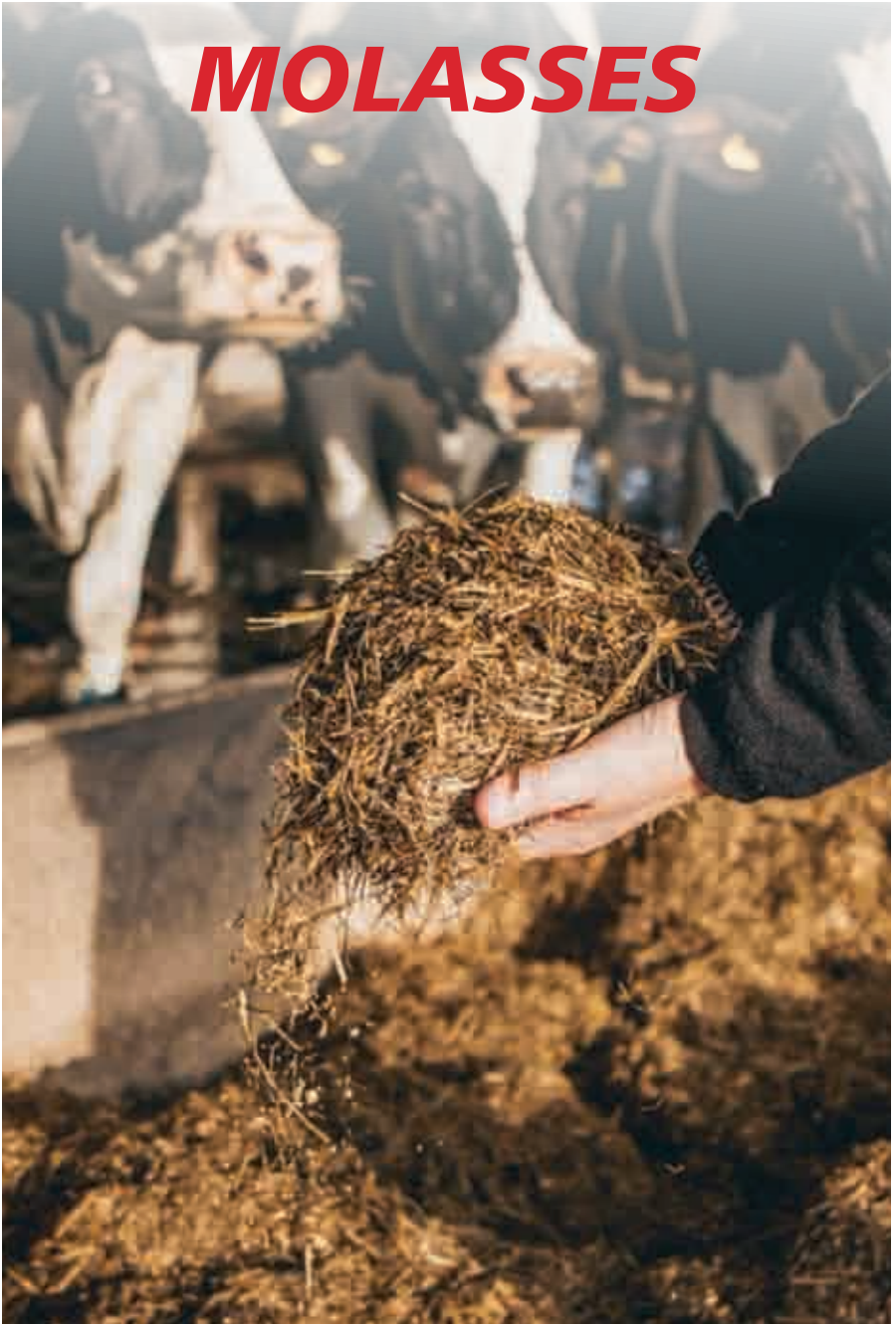


MOLASSES

MOLASSES



MOLASSES

Feeding a molasses blend is the easiest way to supply a good source of sugars and fermentable energy, essential in any well-balanced diet to help maximize herd health, performance and fertility; alongside fueling the rumen microbes to stimulate dry matter intake.

Extracted during sugar production, molasses is one of the most economical and palatable sources of sugar and fermentable energy available, hence it's value in dairy, beef and sheep rations.

Surprisingly for a liquid feed, it is also high in dry matter and in the case of standard cane molasses, 74%; meaning it offers excellent nutrient density. Using modern blending technology in partnership with ED&F Man, we can offer a wide-range of products which combine standard cane molasses with other liquid co-products, the result; a choice of products offering the ideal energy, protein, viscosity and price to suit.

The formulation of a balanced TMR can all be in vain if cows then sort through the ration, selecting the tastier concentrate portion and leaving the more fibrous components such as silage and straw.

With insufficient intakes of effective long fibre these cows can then suffer sub-acute ruminal acidosis (SARA). The consequences include, inefficient feed utilisation, depressed production, production related diseases such as lameness and ketosis, low butterfat levels and loose dung.

The addition of a molasses blend to a TMR has been shown to reduce sorting; making the meal/concentrate ingredients stick to the forage, in turn making it harder for the ration to be sorted out by cows.

A Penn State sieve test trial has shown that reducing sorting by feeding molasses blends 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, acidosis, bullying & a more consistent body condition across the herd and improved fertility.

CANE MOLASSES

A highly palatable liquid derived from the extraction of sugar from cane. Cane Molasses offers an excellent source of rapidly fermented sugar based energy.

Very high sucrose content making it ideal for use in most dairy, beef and sheep rations.

Features:

- Provides high levels of sucrose sugar.
- Helps improve diet palatability.
- Helps promote high dry matter intake.
- Helps contribute to rumen fermentation.
- Stores up to six months.

Application:

Cane Molasses is suitable for inclusion in the diets of all ruminant livestock and can offer a very cost-effective way to increase the palatability of feeds whilst contributing good levels of energy from sugar.

Typical Analysis: Dry Matter Basis:

• Dry Matter – 74.0%	• Sugars – 64.0%
• MER – 12.7 MJ/Kg	• Litres/Tonne - 714
• Crude Protein – 6.5%	

Daily Feed Rates:

Milking Cows	Normal feed rates between 1- 2KG.
Beef	Normal feed rates between 1-2KG
Sheep	Fed at levels up to 0.3kg per ewe per day, either top dressed, free access via a wheel or lick feed, or fed as part of TMR

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ECONOMOL

A dark brown, viscous liquid produced as a co-product of the production of sugar from the sugarcane plant mixed with water in flowable conditions, offering an excellent source of rapidly fermented sugar-based energy in a flowable form.

Features:

- High energy in a rapidly available form.
- Provides high levels of sucrose sugars.
- Highly palatable sweet liquid.
- Helps to promote high dry matter intake.
- Stores up to six months.

Application:

Economol is suitable for inclusion in the diets of all ruminant livestock and can offer a very effective way to increase the palatability of feeds whilst contributing high levels of energy from sugars.

Typical Analysis: Dry Matter Basis:

• Dry Matter – 71.0%	• Sugars – 64.0%
• MER – 12.7 MJ/Kg	• Litres/Tonne - 724
• Crude Protein – 6.5%	

Daily Feed Rates:

<i>Milking Cows</i>	<i>Normal feed rates between 1- 2KG.</i>
<i>Beef</i>	<i>Normal feed rates between 1-2KG</i>
<i>Sheep</i>	<i>Fed at levels up to 0.3kg per ewe per day, either top dressed, free access via a wheel or lick feed, or fed as part of TMR</i>

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A MOLASSES BLEND IS THE EASIEST WAY TO SUPPLY A GOOD SOURCE OF FERMENTABLE ENERGY, ESSENTIAL IN WELL-BALANCED DIETS

MILLSPEC 20

Blended from cane molasses and liquid co-products to give a rich source of sugars protein and organic matter. Low viscosity ensures easy handling in cold conditions and thorough absorption to promote dry matter intakes of all forages and mixed rations.

Features:

- Highly palatable sweet liquid which stimulates total feed intake.
- A source of rapidly fermentable sugar energy which balances rapidly digestible energy sources such as cereals and low protein forages.
- A binding sticky liquid which helps livestock consume a more balanced ration, reducing the risk of acidosis and improving feed efficiency.

Application:

Millspec 20 is suitable for inclusion in the diets of all ruminant livestock.

Typical Analysis: Dry Matter Basis:

• <i>Dry Matter</i> – 68.0%	• <i>Sugars</i> – 55.0%
• <i>MER</i> – 12.1 MJ/Kg	• <i>Litres/Tonne</i> - 729
• <i>Crude Protein</i> – 12.0%	

Daily Feed Rates:

<i>Dairy Cows</i>	<i>Normal feed rates between 1- 2KG.</i>
<i>Beef</i>	<i>Normal feed rates between 1-2KG</i>
<i>Sheep</i>	<i>Fed at levels up to 0.3kg per ewe per day, either top dressed, free access via a wheel or lick feed, or fed as part of TMR</i>

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MOLALE

Molale provides the high palatability and energy of molasses, balanced with protein from a variety of sources. Easy to handle at low temperatures and shown to help ease respiratory problems through reduction of dust. Suitable for all feeding systems.

Features:

- Well balanced, palatable product.
- Highly rumen fermentable, stimulating rumen function and greater feed efficiency.
- Excellent source of fermentable energy to enhance microbial protein production.
- Boosts intakes of forage.

Application:

Molale is suitable for all classes of cattle from young calves through to adult stock.

Typical Analysis: Dry Matter Basis:

• Dry Matter – 60.0%	• Sugars – 42.0%
• MER – 13.2 MJ/Kg	• Litres/Tonne - 790
• Crude Protein – 16.0%	

Daily Feed Rates:

Dairy Cows	Normal feed rates between 1- 2KG.
Beef	Normal feed rates between 1-2KG

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REGUMAIZE 24

A liquid feed comprising of Cane Molasses and urea. This unique process developed by ED&F Man Liquid Products is designed to give rumen bacteria exactly what they need to thrive on. Regumaize 24 is designed for rations which require a boost in both protein and energy. A very high protein from regulated release urea, providing a good source of palatable sugar based energy and rumen degradable protein.

Features:

- High protein and high sugars.
- High technology regulated release urea.
- Urea released at a safe rate in the rumen.
- Versatile, can be used in dairy, beef or sheep diets.
- A one for one replacement for rape / soya mix.

Application:

Suitable for all adult classes of ruminant livestock from approximately six months of age.

Typical Analysis: Dry Matter Basis:

• <i>Dry Matter – 66.0%</i>	• <i>Sugars – 50.0%</i>
• <i>MER – 12.6 MJ/Kg</i>	• <i>Litres/Tonne - 770</i>
• <i>Crude Protein – 24.0%</i>	

Daily Feed Rates:

<i>Dairy Cows</i>	<i>Normal feed rates between 1- 2KG.</i>
<i>Beef</i>	<i>Normal feed rates between 1-2KG</i>
<i>Sheep</i>	<i>Fed at levels up to 0.3kg per ewe per day, either top dressed, free access via a wheel or lick feed, or fed as part of TMR</i>

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REGUMAIZE 46

A liquid feed comprising of Cane Molasses and Urea. This unique process developed by ED&F Man Liquid Products is designed to give rumen bacteria exactly what they need to thrive on. Regumaize 46 provides a good source of palatable sugar based energy and rumen degradable protein.

Features:

- High protein and high sugars.
- High technology regulated release urea.
- Urea released at a safe rate in the rumen.
- Versatile, can be used in dairy, beef.
- A one for one replacement for rape / soya mix.

Application:

Regumaize 46 can be fed as part of a TMR, within a blend or as a straight liquid by pouring onto other feeds or via ball feeders.

Typical Analysis: Dry Matter Basis:

• Dry Matter – 68.0%	• Sugars – 55.0%
• MER – 11.7 MJ/Kg	• Litres/Tonne - 745
• Crude Protein – 46.0%	

Daily Feed Rates:

Dairy Cows	Normal feed rates between 1- 2KG.
Beef	Normal feed rates between 1-2KG

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REGUMAIZE 65

A liquid feed comprising of Cane Molasses and Urea. This unique process developed by ED&F Man Liquid Products is designed to give rumen bacteria exactly what they need to thrive on. Regumaize 65 is designed for diets in which protein levels need an extra boost.

Features:

- High protein and high sugars.
- High technology regulated release urea.
- Urea released at a safe rate in the rumen.
- Versatile, can be used in dairy or beef.

Application:

Suitable for all adult classes of ruminant live-stock from approximately six months of age.

Typical Analysis: Dry Matter Basis:

• <i>Dry Matter – 67.0%</i>	• <i>Sugars – 50.0%</i>
• <i>MER – 11.4 MJ/Kg</i>	• <i>Litres/Tonne - 747</i>
• <i>Crude Protein – 65.0%</i>	

Daily Feed Rates:

<i>Dairy Cows</i>	<i>Normal feed rates between 1- 1.5KG.</i>
<i>Beef</i>	<i>Normal feed rates between 1-1.5KG</i>

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REGUMIX 27

Regumix 27 is a highly palatable, molasses based liquid, rich in protein and energy, designed to get the most from forage. It is blended from Cane Molasses, Urea and liquids from the human food and drinks industries. The inclusion of urea results in the high crude protein level. Regulated release urea ensures slow availability of Nitrogen in synchrony with the energy released in the rumen.

Features:

- High protein and high sugars.
- High technology regulated release urea.
- Urea released at a safe rate in the rumen.
- Versatile, can be used in dairy, beef or sheep diets.

Application:

Suitable for all adult classes of ruminant livestock from approximately six months of age.

Typical Analysis: Dry Matter Basis:

• <i>Dry Matter</i> – 67.0%	• <i>Sugars</i> – 53.0%
• <i>MER</i> – 13.1 MJ/Kg	• <i>Litres/Tonne</i> - 741
• <i>Crude Protein</i> – 27.0%	

Daily Feed Rates:

<i>Dairy Cows</i>	<i>Normal feed rates between 1- 2KG.</i>
<i>Beef</i>	<i>Normal feed rates between 1-2KG</i>
<i>Sheep</i>	<i>Can be offered to sheep up to 7% of concentrate or 0.2kg</i>

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REGUPRO 38

Regupro 38 is a highly palatable molasses blend with added Regulated Release protein, supplying a high protein option when sugar levels are less critical, for example when high levels of sugar beet pulp or fodder beet are being fed. The Regupro blends are designed to complement rations containing a high level of grass silage helping to correct any energy and degradable protein imbalances.

Features:

- Palatable liquid.
- Regulated release urea technology.
- An excellent source of fermentable energy and protein.
- A free flowing binding liquid.

Application:

Regupro 38 can be fed as part of a TMR, within a blend or as a straight liquid by pouring onto other feeds or via ball feeders.

Typical Analysis: Dry Matter Basis:

• Dry Matter – 60.0%	• Sugars – 30.0%
• MER – 12.5 MJ/Kg	• Litres/Tonne - 784
• Crude Protein – 38.0%	

Daily Feed Rates:

Dairy Cows	Normal feed rates between 1- 2KG.
Beef	Normal feed rates between 1-2KG

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REGUPRO 50

Regupro 50 is a highly palatable molasses blend with added Regulated Release protein, supplying a high protein option when sugar levels are less critical, for example when high levels of sugar beet pulp or fodder beet are being fed. The Regupro blends are designed to complement rations containing a high level of grass silage helping to correct any energy and degradable protein imbalances.

Features:

- Highly palatable liquid.
- Regulated release urea technology.
- Cost effective way of feeding ERSDP.
- An excellent source of fermentable energy and protein.
- A free flowing binding liquid.

Application:

Regupro 50 is ideally suited to feeding in a complete diet mix using a feeder wagon, poured over forage or fed free-access through wheel lick feeders.

Typical Analysis: Dry Matter Basis:

• Dry Matter – 60.0%	• Sugars – 42.0%
• MER – 12.6 MJ/Kg	• Litres/Tonne - 774
• Crude Protein – 50.0%	

Daily Feed Rates:

Dairy Cows	<i>Normal feed rates between 1- 2KG.</i>
Beef	<i>Normal feed rates between 1- 2KG or up to 10% of the concentrate part of the diet, where physical handling is the limit rather than the feed level</i>

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SHEEPMOL

A high dry matter, high sugar blend of cane molasses, glycerine and liquid co-products formulated specifically to feed sheep. The unique mix of energy sources is ideal to promote healthy lamb growth and maintain ewe health.

Features:

- Extra energy boost from feeding sugars and glycerine.
- Ad-lib feeding reduces stress for sheep and saves time for the shepherd.
- Highly palatable and improves intake and forage digestibility.
- Balances variations in grazing/forage quantity and quality.
- Easy and convenient to store, handle and feed.

Application:

Sheepmol can be fed to sheep either top dressed, free access via a wheel or ball feeder, or fed as part of a mix.

Typical Analysis: Dry Matter Basis:

• <i>Dry Matter</i> – 69.0%	• <i>Sugars</i> – 48.0%
• <i>MER</i> – 13.5 MJ/Kg	• <i>Litres/Tonne</i> - 747
• <i>Crude Protein</i> – 7.0%	

Daily Feed Rates:

<i>Feeding Guidelines</i>	<i>Typical daily intake: 0.25kg / head / day</i>
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SHEEPMOL PLUS

A high dry matter, high sugar blends of cane molasses, glycerine and liquid co-products formulated specifically to feed sheep. The unique mix of energy sources is ideal to promote healthy lamb growth and maintain ewe health. Sheepmol Plus has the added benefit of the vitamin and mineral package.

Features:

- Extra energy boost from feeding sugars and glycerine.
- Ad-lib feeding reduces stress for sheep and saves time for the shepherd.
- Highly palatable and improves intake and forage digestibility.
- Balances variations in grazing/forage quantity and quality.
- Easy and convenient to store, handle and feed.
- 3 month shelf life.

Application:

Sheepmol Plus can be fed to sheep either top dressed, free access via a wheel or ball feeder, or fed as part of a mix.

Typical Analysis: Dry Matter Basis:

• <i>Dry Matter – 69.0%</i>	• <i>Sugars – 48.0%</i>
• <i>MER – 13.5 MJ/Kg</i>	• <i>Litres/Tonne - 743</i>
• <i>Crude Protein – 7.0%</i>	

Daily Feed Rates:

<i>Feeding Guidelines</i>	<i>Typical daily intake: 0.25kg / head / day</i>
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