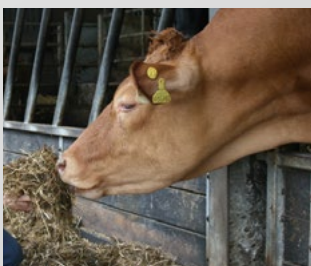


## PRODUCTS FOR THE FARM



### Molasses and Molasses Blends

Extracted from raw sugar, molasses is one of the most economical and palatable sources of fermentable energy, making it a valuable ingredient in dairy, beef and sheep rations.

Surprisingly for a liquid feed it is also high in dry matter - 74% in the case of standard molasses, which means it offers excellent nutrient density.

Using modern blending technology, ED&F Man Liquid Products is also able to combine molasses with other raw materials to reduce viscosity or increase protein levels.

The result is a choice of products offering the ideal combination of energy, protein, viscosity and price for any situation.

To support the use of molasses on-farm, ED&F Man Liquid Products provides a range of flexible services:

- Storage - available in bulk tanks of 12/20/24/30 tonne capacity with optional stand, extended fill line and fittings, bespoke tank sizes if necessary, can be made.
  - speedy tank deliveries
  - minimal set-up costs
  - new tanks at cost price
  - free advice on location and equipment
- Feeding - a range of unique free-access feeders to supplement grazing or for winter rations. Available in 35, 95, 250 and 1000 litre sizes for cattle and sheep.
- Extensive nutritional advice and information on how molasses based liquid feeds will fit your system, from our FAR registered Commercial Managers.
- 1 litre of standard cane molasses = 1.4kg (approx). Blends will vary. 1 tonne of molasses = 714 litres (approx). Contact us for more specific information.



Typical analysis (dry matter basis)					
Product	Dry Matter (%)	Sugar (%)	Protein (%)	ME (MJ/kg)	Description
<b>Standard Molasses</b>	<b>74</b>	<b>64</b>	<b>6.5</b>	<b>12.7</b>	Cane/'blackstrap' molasses. A natural product of sugar processing, pure molasses is the most cost effective source of sugars available on farm. It is also high in dry matter and helps bind feeds, eliminating dust and reducing wastage. Suitable for all classes of livestock, it assists the breakdown of fibre and enhances utilisation of non-protein nitrogen by stimulating rumen bacteria.
<b>Economol</b>	<b>71</b>	<b>64</b>	<b>6.5</b>	<b>12.7</b>	A less viscous product with all the benefits of standard molasses which is easily handled on farm. Suitable for all livestock and for feeding in mixer wagons, forage boxes, poured over forage or supplied free-access.
<b>Stockmol 20</b>	<b>70</b>	<b>56</b>	<b>10*</b>	<b>12.5</b>	Blended from cane molasses and liquid co products to give a rich source of sugars, protein and organic matter. Lower viscosity ensures easy handling in cold conditions and the thorough absorption to promote dry matter intakes of all forages and mixed rations. Suitable for all feeding systems.
<b>Molmax</b>	<b>65</b>	<b>45</b>	<b>11.5*</b>	<b>12</b>	Contains a higher proportion of molasses based liquid feed to give a very low viscosity molasses blend ideal for de-dusting and binding home mixes. Palatable and economic, it offers excellent cold weather handling.
<b>MarMOLade</b>	<b>64</b>	<b>38</b>	<b>16.0</b>	<b>12.4</b>	Liquid co products mixed with cane molasses and regulated release protein to produce a balanced blend that will make the home mix more palatable. Palatability is further enhanced by the addition of a specific citrus flavour.
<b>Molale</b>	<b>60</b>	<b>42</b>	<b>16.0</b>	<b>13.2</b>	Provides the palatability and energy of molasses, balanced with protein from food, liquid and distillers co products as well as regulated release proteins. Repeatedly shown to improve the intake and digestibility of forage, it is easy to handle and store even at low temperatures and can ease respiratory problems by reducing dust levels. Suitable for all feeding systems. Not recommended for feeding sheep.
<b>StiMOLator</b>	<b>60</b>	<b>30</b>	<b>18.0</b>	<b>12.2</b>	StiMOLator is a high energy blend of molasses, liquid co products and regulated release protein that will produce a highly cost-effective liquid option for use with buffer feeding and full winter rations. StiMOLator will stimulate dry matter intakes and improve rumen fermentation and can be used to reduce dust in a TMR wagon.
<b>Potblack</b>	<b>60</b>	<b>44</b>	<b>23.5</b>	<b>12.3</b>	Cane molasses, liquid co products and regulated release proteins blended together to produce a free flowing high protein liquid which can be used in either a TMR or for de-dusting home mixes, and runs freely in even the coldest conditions. A cost effective method of supplying added protein and sugars to rations that are low in protein such as straw and fermented whole crop. An excellent low cost feed for dairy, beef cows and sheep.

\*Dependant on raw material availability. All products subject to availability.

### Regulated Release

Regulated Release is a patented liquid feed technology which reduces the cost of protein supplementation.

Whatever the protein source, ruminants treat rumen degradable protein (RDP) simply as a source of nitrogen, breaking it down to release ammonia.

Regulated Release allows urea to act as a highly cost-effective ammonia source, controlling its release to mimic the behaviour of natural protein. Molasses is the carrier so the products also provide valuable, rapidly available energy to promote rumen activity.

**Regumaize 44 & 65** Designed to complement maize and whole crop cereal silages, overcoming protein deficiencies at lower cost than traditional supplements. Regumaize raises intakes, improves forage digestion and boosts microbial protein production giving better animal performance.

**Regumix** An 18% as fed high energy feed. Ideal supplement where any low protein forages are fed alongside grass silage as part of a complete ration. Provides a balanced blend of sugars and ERDP for both natural and Regulated Release sources.

**Regupro 38 & 50** High protein option when sugar level is less critical. Choice of protein levels to suit individual requirements.

Typical dry matter analysis				
	Dry Matter (%)	Total Sugars (%)	Crude Protein (%)	ME (MJ/kg)
Regumaize 44	69	55	44	11.8
Regumaize 65	67	50	65	11.4
Regumix	67	53	27	13.1
Regupro 38	60	30	38	12.5
Regupro 50	60	42	50	12.6

**Prime 20, 32 & 44** A range of liquid supplements for dairy cows, beef and sheep fed rations based on big bale silage, hay and straw. Boosts margins by supplying energy, protein, vitamins and trace elements.

**Transition Cow Syrup** A high performance liquid designed to be fed pre-calving. To be used as part of Transition Cow management ensuring subsequent lactation performance is maximised. Contains full vitamin and mineral package and glucose pre-cursors.

### Feeding Guide

TYPICAL DAILY INTAKE	Molasses (kg fresh weight)
Dairy Cattle	650kg 1-3
	Young 220kg 1.0
Beef Cattle	Store 350kg 1-2
	Finishing 450kg 1-2
Sheep	Light ewe (single) 0.2
	Heavy ewe (twins) 0.3

Check ration advice with your nutritionist or contact ED&F Man Liquid Products.

### Fresh-Guard

Worried about your TMR Heating



It is vital to produce a high quality well balanced ration, but this can quickly be undermined if the ration starts to heat and the quality deteriorates. Feed spoilage in the trough has been identified as a significant to farmers. A cow eating 1 kg less dry matter due to aerobic spoilage could be producing around 2.3 litres less milk. What makes it worse is that it is the high value nutrients that spoil most quickly. The Fresh-Guard option can be included in any of ED&F Man's bulk molasses products. Effective in preventing TMR spoilage at feed out, Fresh-Guard is a cost effective option available to farmers looking to prevent heating/spoilage at a cost of less than 3p per cow per day.

Delivery size options: 5mt to 29mt

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