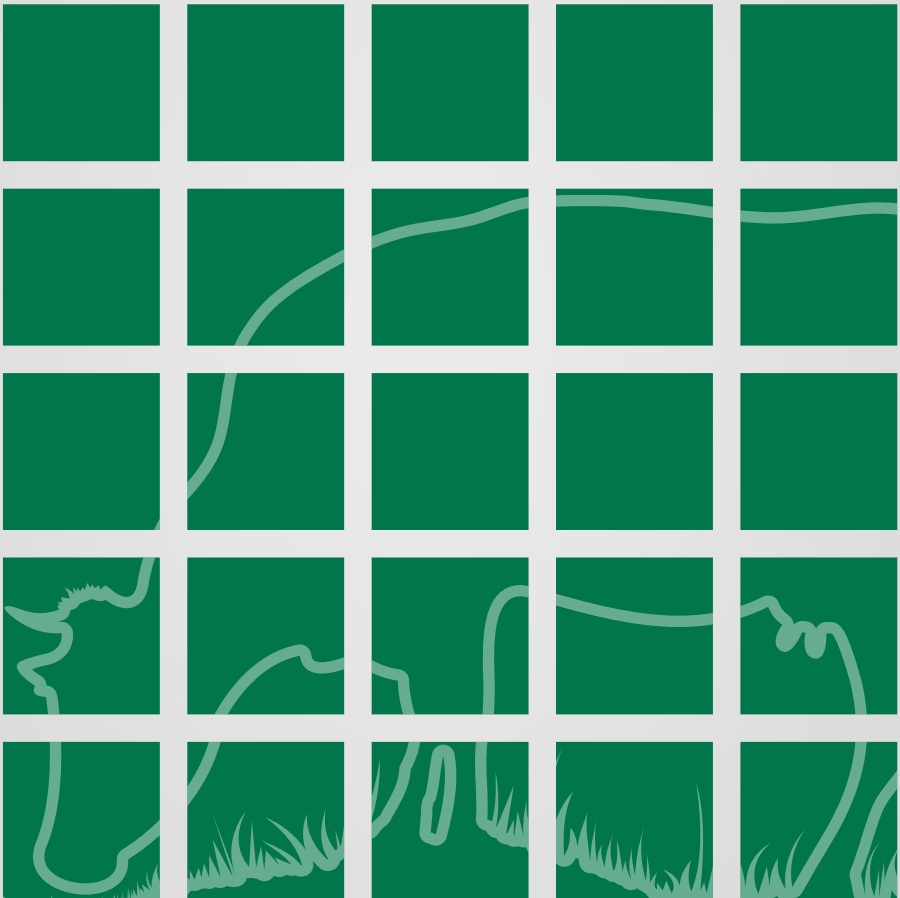
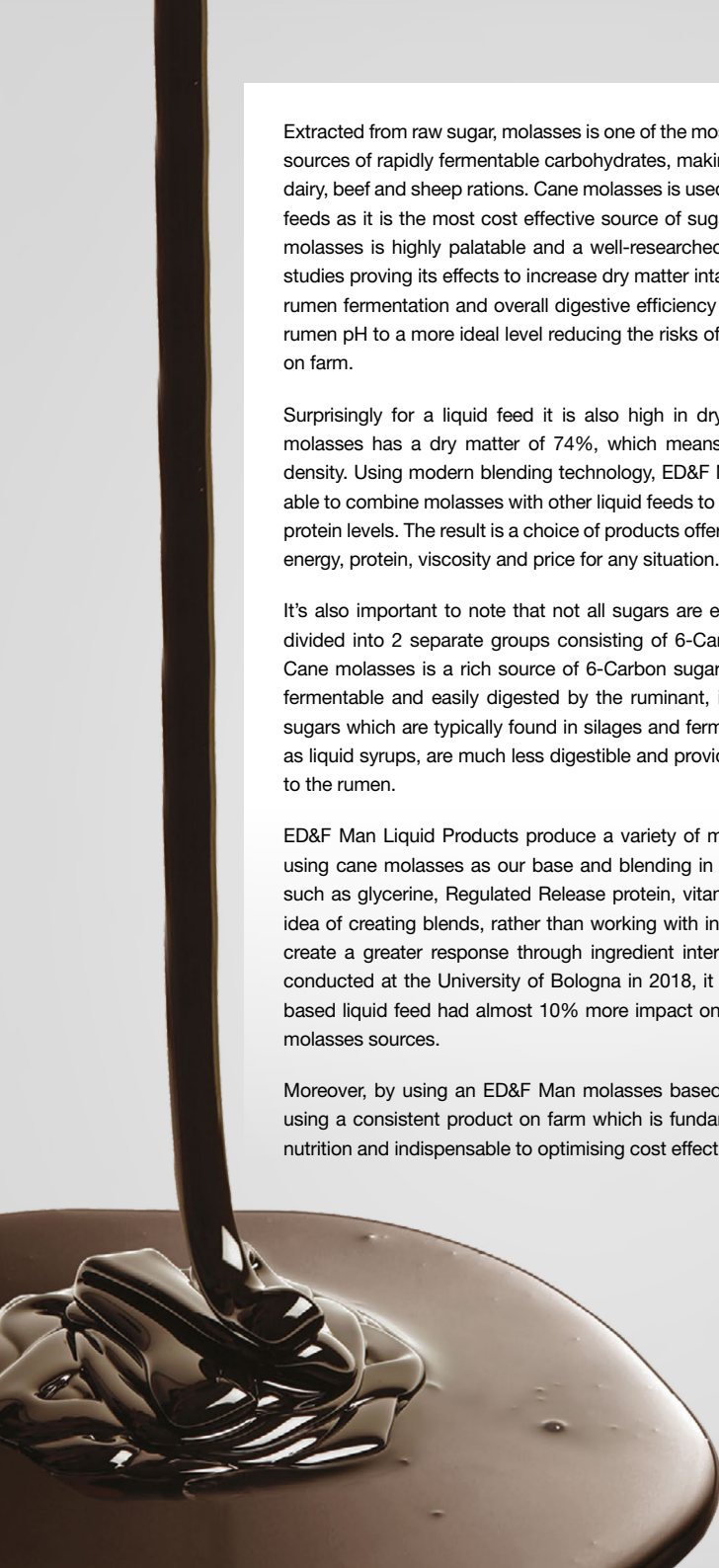


Product Technical Information





Extracted from raw sugar, molasses is one of the most economical and palatable sources of rapidly fermentable carbohydrates, making it a valuable ingredient in dairy, beef and sheep rations. Cane molasses is used as the base to all our liquid feeds as it is the most cost effective source of sugars available on farm. Cane molasses is highly palatable and a well-researched feed material with various studies proving its effects to increase dry matter intake, improve fibre digestion, rumen fermentation and overall digestive efficiency as well as its ability to alter rumen pH to a more ideal level reducing the risks of sub-acute ruminal acidosis on farm.

Surprisingly for a liquid feed it is also high in dry matter, as standard cane molasses has a dry matter of 74%, which means it offers excellent nutrient density. Using modern blending technology, ED&F Man Liquid Products is also able to combine molasses with other liquid feeds 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.

It's also important to note that not all sugars are equal, simply sugars can be divided into 2 separate groups consisting of 6-Carbon and 5-Carbon sugars. Cane molasses is a rich source of 6-Carbon sugars. These sugars are readily fermentable and easily digested by the ruminant, in comparison to 5-Carbon sugars which are typically found in silages and fermentation by-products, such as liquid syrups, are much less digestible and provide little fermentation activity to the rumen.

ED&F Man Liquid Products produce a variety of molasses based liquid feeds using cane molasses as our base and blending in various other raw materials such as glycerine, Regulated Release protein, vitamins and minerals etc. The idea of creating blends, rather than working with individual raw materials, is to create a greater response through ingredient interaction. From the research conducted at the University of Bologna in 2018, it was found that a molasses based liquid feed had almost 10% more impact on fibre digestibility than pure molasses sources.

Moreover, by using an ED&F Man molasses based liquid feed we can ensure using a consistent product on farm which is fundamental to achieve precision nutrition and indispensable to optimising cost effective production.

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Economol - Technical Data Sheet

Feeding Suitability

Sheep & Cattle



Economol is a high dry matter liquid with a high nutritive value. It has a lower viscosity than standard molasses benefiting from easier handling on farm with maximum flowability.

Economol is suitable for feeding in mixer wagons, forage boxes or poured over forage.

Benefits include:

- The most cost-effective source of sugars on farm
- Improve palatability to drive dry matter intake
- Stimulate rumen function and microbial protein production
- High in dry matter to help bind feed, reducing sorting and dust

Feed Rates

	Dairy	Beef	Youngstock	Sheep
Feed Rate (kg/head/day)	1 - 2	1 - 2	Up to 1.0	0.2 – 0.3

Specification

	Dry Matter Basis	As fed
Dry Matter (%)	100	71
Total Sugars (%)	64	45.4
Crude Protein (%)	6.5	4.6
ME (MJ/kg)	12.7	9.0
Oil (%)	0.3	0.2
Ash (%)	12.5	8.9
Sodium (%)	2.3	1.6
Crude Fibre (%)	0	0
DCAB (mEq/100g)	34.99	

For further nutritional information, including NutriOpt data, to input into rationing software please contact technical-info@edfman.com

Availability:

Economol is available in bulk from 5-29t or as mini bulk from 1000-4000L.



Liquid
Products

Stockmol 20 - Technical Data Sheet

Feeding Suitability

Sheep & Cattle



Stockmol 20 is a high dry matter liquid with a high nutritive value. It has a lower viscosity than standard molasses benefiting from easier handling on farm with maximum flowability. The lower viscosity also allows for the thorough absorption to promote dry matter intakes of all forages and mixed rations.

Stockmol 20 is suitable for feeding in mixer wagons, forage boxes or poured over forage.

Benefits include:

- High nutrient density providing a rich source of sugars, protein and organic matter
- Improve palatability to drive dry matter intake
- Stimulate rumen function and microbial protein production
- High in dry matter to help bind feed, reducing sorting and dust

Feed Rates

	Dairy	Beef	Youngstock	Sheep
Feed Rate (kg/head/day)	1 - 2	1 - 2	Up to 1.0	0.2 - 0.3

Specification

	Dry Matter Basis	As fed
Dry Matter (%)	100	70
Total Sugars (%)	56	39
Crude Protein (%)	10	7
ME (MJ/kg)	12.5	8.8
Oil (%)	0.2	0.1
Ash (%)	12.7	8.9
Sodium (%)	0.6	0.2
Crude Fibre (%)	0	0
DCAB (mEq/100g)	47.29	

For further nutritional information, including NutriOpt data, to input into rationing software please contact technical-info@edfman.com

Availability:

Stockmol 20 is available in bulk from 5-29t or as mini bulk from 1000-4000L. Typical specific gravity of 1.39kg/L or density of 721L/T.



Stockmol HE - Technical Data Sheet

Feeding Suitability

Sheep & Cattle



Stockmol HE (High Energy) has all the benefits of Stockmol 20, however, it has a higher crude protein and ME content. It has a lower viscosity than standard molasses benefiting from easier handling on farm with maximum flowability. Stockmol HE is ideal for use in home mixes to help reduce dust levels.

Suitable for all feeding systems.

Feed Rates

	Dairy	Beef	Youngstock	Sheep
Feed Rate (kg/head/day)	1 - 2	1 - 2	Up to 1.0	0.2 – 0.3

Specification

	Dry Matter Basis	As fed
Dry Matter (%)	100	69
Total Sugars (%)	51	35
Crude Protein (%)	11.5	7.9
ME (MJ/kg)	13.1	9
Oil (%)	0.29	0.2
Ash (%)	21	14.5
Sodium (%)	2.5	1.7
Crude Fibre (%)	0	0

For further nutritional information, including NutriOpt data, to input into rationing software please contact technical-info@edfman.com

Availability:

Stockmol HE is available in bulk from 5-29t.

Typical specific gravity of 1.34kg/L or density of 746L/T.

Molmax - Technical Data Sheet

Feeding Suitability

Sheep & Cattle



Molmax contains a higher proportion of liquid co-products to give a lower viscosity molasses blend which is ideal for de-dusting and binding home mixes. It is highly palatable helping to drive intakes and offers an economical option on farm.

Suitable for all feeding systems.

Benefits include:

- Highly rumen fermentable, stimulating rumen function and greater feed efficiency
- Excellent source of fermentable energy to enhance microbial protein production
- Thorough absorption into feed to help bind and reduce sorting and dust levels
- Improve palatability to drive dry matter intake
- Lower viscosity allows for excellent cold weather handling

Feed Rates

	Dairy	Beef	Youngstock	Sheep
Feed Rate (kg/head/day)	1 - 2	1 - 2	Up to 1.0	0.2 – 0.3

Specification

	Dry Matter Basis	As fed
Dry Matter (%)	100	65
Total Sugars (%)	45	29
Crude Protein (%)	11.5*	7.5
ME (MJ/kg)	12.5	8.13
Oil (%)	0.3	0.2
Ash (%)	16.3	10.6
Sodium (%)	5.2	3.4
Crude Fibre (%)	0	0

*Dependent on raw material availability

For further nutritional information, including NutriOpt data, to input into rationing software please contact technical-info@edfman.com

Availability:

Molmax is available in bulk from 5-29t.
Typical specific gravity of 1.35kg/L or density of 743L/T.



StiMOLator - Technical Data Sheet

Feeding Suitability

Sheep & Cattle



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. StiMOLator can be used to improve palatability and reduce dust levels in a TMR wagon.

Suitable for all feeding systems.

Benefits include:

- Highly rumen fermentable, stimulating rumen function and greater feed efficiency
- Excellent source of fermentable energy to enhance microbial protein production
- Higher protein specification providing good levels of RDP in the diet
- Improve palatability to drive dry matter intake
- Lower viscosity allows for excellent cold weather handling

Feed Rates

	Dairy	Beef	Youngstock	Sheep
Feed Rate (kg/head/day)	1 - 2	1 - 2	Up to 1.0	0.2 – 0.3

Specification

	Dry Matter Basis	As fed
Dry Matter (%)	100	60
Total Sugars (%)	30	18
Crude Protein (%)	18	10.8
ME (MJ/kg)	12.2	7.32
Oil (%)	0.3	0.2
Ash (%)	27.2	16.3
Sodium (%)	6.2	3.7
Crude Fibre (%)	0	0
DCAB (mEq/100g)	55.35	

For further nutritional information, including NutriOpt data, to input into rationing software please contact technical-info@edfman.com

Availability:

StiMOLator is available in bulk from 5-29t.

Typical specific gravity of 1.33kg/L or density of 754L/T.

Molale - Technical Data Sheet

Feeding Suitability

Cattle



Molale provides the high palatability and energy of molasses, balanced with protein from a variety of sources. Drives intake of forages and ideal for binding feed and reducing dust levels. Easy to handle at low temperatures and shown to help ease respiratory problems through reduction of dust.

Suitable for all feeding systems.

Benefits include:

- Highly rumen fermentable, stimulating rumen function and greater feed efficiency
- Excellent source of fermentable energy to enhance microbial protein production
- Thorough absorption into feed to help bind and reduce sorting and dust levels
- Improve palatability to drive dry matter intake

Feed Rates

	Dairy	Beef	Dairy Heifers
Feed Rate (kg/head/day)	1 - 2	1 - 2	Up to 1.0

Specification

	Dry Matter Basis	As fed
Dry Matter (%)	100	60
Total Sugars (%)	42	25
Crude Protein (%)	16	9.6
ME (MJ/kg)	13.2	7.9
Oil (%)	0.5	0.3
Ash (%)	12.5	7.5
Sodium (%)	2	1.2
Crude Fibre (%)	0	0
DCAB (mEq/100g)	55.91	

For further nutritional information, including NutriOpt data, to input into rationing software please contact technical-info@edfman.com

Availability:

Molale is available in bulk from 5-29t or as mini bulk from 1000-4000L. Typical specific gravity of 1.34kg/L or density of 748L/T.



Feeding Britain's Farms

Potblack - Technical Data Sheet

Feeding Suitability

Sheep & Cattle



Potblack is a blend of cane molasses, liquid co products and Regulated Release proteins to produce a free-flowing high protein liquid which can be used in either a TMR or for de-dusting home mixes. Provides a cost-effective method of supplying protein and sugars to rations low in protein such as straw and wholecrop silage.

Suitable for all feeding systems.

Benefits include:

- Excellent low-cost feed supplying good levels of protein, sugars and energy
- Highly rumen fermentable, stimulating rumen function and greater feed efficiency
- Thorough absorption into feed to help bind and reduce sorting and dust levels
- Improve palatability to drive dry matter intake
- Addition of non-protein nitrogen provides the rumen with a source of ammonia which acts as a growth factor for the rumen microbes

Feed Rates

	Dairy	Beef	Youngstock	Sheep
Feed Rate (kg/head/day)	1 - 2	1 - 2	Up to 1.0	0.2 - 0.3

Specification

	Dry Matter Basis	As fed
Dry Matter (%)	100	60
Total Sugars (%)	44	26
Crude Protein (%)	23.5	14
ME (MJ/kg)	12.3	7.4
Oil (%)	0.17	0.1
Ash (%)	25.7	15.4
Sodium (%)	5.7	3.4
Crude Fibre (%)	0	0
DCAB (mEq/100g)	51.25	

For further nutritional information, including NutriOpt data, to input into rationing software please contact technical-info@edfman.com

Availability:

Potblack is available in bulk from 5-29t or as mini bulk from 1000-4000L.

Typical specific gravity of 1.32kg/L or density of 757L/T.

Regumix - Technical Data Sheet

Feeding Suitability

Sheep & Cattle



Regumix is a highly palatable molasses based liquid feed, rich in energy and protein with added Regulated Release protein, designed to get the most from forages. At 27% crude protein and 13.1 ME, it is designed to complement grass, mixed forage diets and straw-based rations. Its excellent palatability combined with good levels of protein and energy also make Regumix ideal to balance buffer feeds for grazing animals. Suitable for use in all feeding systems.

Benefits include:

- Excellent source of effective rumen degradable protein (ERDP)
- Improves dietary protein and energy balance
- Cost effective alternative to a dry blend
- Improves palatability and intakes promoting efficient forage digestion
- Harnesses the benefits of urea as an excellent and cost-effective protein source
- Addition of non-protein nitrogen provides the rumen with a source of ammonia which acts as a growth factor for the rumen microbes

Feed Rates

	Dairy	Beef	Youngstock (>3 months)	Sheep
Feed Rate (kg/head/day)	1 - 2	1 - 2	Up to 1.0	0.2 – 0.3

Specification

	Dry Matter Basis	As fed
Dry Matter (%)	100	67
Total Sugars (%)	53	35.5
Crude Protein (%)	27	18
ME (MJ/kg)	13.1	8.8
Oil (%)	0.3	0.2
Ash (%)	10.4	7
Sodium (%)	3.6	2.4
Crude Fibre (%)	0	0
DCAB (mEq/100g)	42.72	

For further nutritional information, including NutriOpt data, to input into rationing software please contact technical-info@edfman.com

Availability:

Regumix is available in bulk from 5-29t or as mini bulk from 1000-4000L. Typical specific gravity of 1.34kg/L or density of 744L/T.



Feeding Britain's Farms

Regupro 38 - Technical Data Sheet

Feeding Suitability

Cattle



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.

Suitable for use in all feeding systems.

Benefits include:

- Excellent source of effective rumen degradable protein (ERDP)
- Improves dietary protein and energy balance
- Cost effective supplement to optimise use of bulk feeds
- Improves palatability and intakes promoting efficient forage digestion
- Harnesses the benefits of urea as an excellent and cost-effective protein source
- Addition of non-protein nitrogen provides the rumen with a source of ammonia which acts as a growth factor for the rumen microbes

Feed Rates

	Dairy	Beef	Youngstock (>3 months)
Feed Rate (kg/head/day)	1 - 2	1 - 2	Up to 1.0

Specification

	Dry Matter Basis	As fed
Dry Matter (%)	100	60
Total Sugars (%)	30	18
Crude Protein (%)	38	23
ME (MJ/kg)	12.5	7.5
Oil (%)	0.2	0.1
Ash (%)	11.5	6.9
Sodium (%)	0.3	0.2
Crude Fibre (%)	0	0
DCAB (mEq/100g)	60.38	

For further nutritional information, including NutriOpt data, to input into rationing software please contact technical-info@edfman.com

Availability:

Regupro 38 is available in bulk from 5-29t.

Typical specific gravity of 1.33kg/L or density of 753L/T.

Regupro 50 - Technical Data Sheet

Feeding Suitability

Cattle



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.

Suitable for use in all feeding systems.

Benefits include:

- Excellent source of effective rumen degradable protein (ERDP)
- Improves dietary protein and energy balance
- Cost effective supplement to optimise use of bulk feeds
- Improves palatability and intakes promoting efficient forage digestion
- Harnesses the benefits of urea as an excellent and cost-effective protein source
- Addition of non-protein nitrogen provides the rumen with a source of ammonia which acts as a growth factor for the rumen microbes

Feed Rates

	Dairy	Beef	Youngstock (>3 months)
Feed Rate (kg/head/day)	1 - 2	1 - 2	Up to 1.0

Specification

	Dry Matter Basis	As fed
Dry Matter (%)	100	60
Total Sugars (%)	42	25
Crude Protein (%)	50	30
ME (MJ/kg)	12.6	7.6
Oil (%)	0.2	0.1
Ash (%)	11	6.6
Sodium (%)	0.3	0.2
Crude Fibre (%)	0	0
DCAB (mEq/100g)	81.04	

For further nutritional information, including NutriOpt data, to input into rationing software please contact technical-info@edfman.com

Availability:

Regupro 50 is available in bulk from 5-29t.

Typical specific gravity of 1.27kg/L or density of 786L/T.



Feeding Britain's Farms

Regumaize 44 - Technical Data Sheet

Feeding Suitability

Cattle



Regumaize 44 is a highly palatable molasses based liquid feed, rich in sugar and protein with added Regulated Release protein, designed to get the most from maize, wholecrop silage and straw. Regumaize blends have a high nutrient density meaning that high levels of animal performance can be supported.

Suitable for use in all feeding systems.

Benefits include:

- Excellent source of fermentable energy and nitrogen to ensure efficient microbial protein production
- Harnesses the benefits of urea as an excellent and cost-effective protein source
- Improves palatability and intakes promoting efficient forage digestion
- Improves dietary protein balance
- The synchrony between the sugar and protein promotes the growth of the rumen microbes fuelling microbial protein production in the rumen
- Addition of non-protein nitrogen provides the rumen with a source of ammonia which acts as a growth factor for the rumen microbes

Feed Rates

	Dairy	Beef	Youngstock (>3 months)
Feed Rate (kg/head/day)	1 - 2	1 - 2	Up to 1.0

Specification

	Dry Matter Basis	As fed
Dry Matter (%)	100	69
Total Sugars (%)	55	38
Crude Protein (%)	44	30
ME (MJ/kg)	11.8	8.1
Oil (%)	0.2	0.15
Ash (%)	10.5	7.2
Sodium (%)	0.3	0.2
Crude Fibre (%)	0	0
DCAB (mEq/100g)	29.60	

For further nutritional information, including NutriOpt data, to input into rationing software please contact technical-info@edfman.com

Availability:

Regumaize 44 is available in bulk from 5-29t or as mini bulk from 1000-4000L. Typical specific gravity of 1.33kg/L or density of 752L/T.

Regumaize 65 - Technical Data Sheet

Feeding Suitability

Cattle



Regumaize 65 is a highly palatable molasses based liquid feed, rich in sugar and protein with added Regulated Release protein, designed to get the most from maize, wholecrop silage and straw. Regumaize 65 is designed for diets in which protein levels need an extra boost. Regumaize blends have a high nutrient density meaning that high levels of animal performance can be supported.

Suitable for use in all feeding systems.

Benefits include:

- Excellent source of fermentable energy and nitrogen to ensure efficient microbial protein production
- Harnesses the benefits of urea as an excellent and cost-effective protein source
- Improves palatability and intakes promoting efficient forage digestion
- Improves dietary protein balance
- Addition of non-protein nitrogen provides the rumen with a source of ammonia which acts as a growth factor for the rumen microbes

Feed Rates

	Dairy	Beef	Youngstock (>3 months)
Feed Rate (kg/head/day)	1 - 2	1 - 2	Up to 1.0

Specification

	Dry Matter Basis	As fed
Dry Matter (%)	100	67
Total Sugars (%)	50	33.5
Crude Protein (%)	65	44
ME (MJ/kg)	11.4	7.6
Oil (%)	0.2	0.1
Ash (%)	10.5	7
Sodium (%)	0.2	0.1
Crude Fibre (%)	0	0

For further nutritional information, including NutriOpt data, to input into rationing software please contact technical-info@edfman.com

Availability:

Regumaize 65 is available in bulk from 5-29t.

Typical specific gravity of 1.28kg/L or density of 784L/T.



Sheepmol - Technical Data Sheet

Feeding Suitability

Sheep



Sheepmol and Sheepmol Plus are high dry matter, high sugar blends of cane molasses, glycerine and liquid co-products specifically formulated for sheep. The unique mix of energy sources is ideal to promote healthy lamb growth and maintain ewe health. With rumen space restricted in late pregnancy, liquid feeds are unique in having a low substitution rate allowing feed intakes to be maintained, reducing the risk of metabolic disorders. Sheepmol Plus provides all the benefits of Sheepmol with the added inclusion of a trace element and vitamin pack.

Suitable for use in all feeding systems.

Benefits include:

- Extra energy boost from feeding sugars and glycerine
- Glycerine is a glucose precursor, particularly helpful in supporting milk production and colostrum quality
- 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 quality and quantity

Feed Rates

	Sheep
Feed Rate (kg/head/day)	0.25

Specification

	Dry Matter Basis	As fed
Dry Matter (%)	100	69
Total Sugars (%)	48	33
Crude Protein (%)	7	5
ME (MJ/kg)	13.5	9.3
Oil (%)	0.14	0.1
Ash (%)	15	10.4
Sodium (%)	3.5	2.4
Crude Fibre (%)	0	0

Vitamin and Mineral Pack Specification

Vitamin	Inclusion (IU/kg)	Mineral	Inclusion (mg/kg)
Vitamin A	42000	Cobalt	3
Vitamin D3	8000	Iodine	20
Vitamin E	150	Manganese	400
		Zinc	400
		Selenium	2.5

For further nutritional information, including NutriOpt data, to input into rationing software please contact technical-info@edfman.com

Availability:

Sheepmol is available in bulk from 5-29t or as mini bulk from 1000-4000L.

Typical specific gravity of 1.37kg/L or density of 729L/T.

Beefmol - Technical Data Sheet

Feeding Suitability

Cattle



Beefmol and Beefmol Plus are high dry matter, high sugar, high energy blends of cane molasses, glycerine and liquid co-products combined with ED&F Man's proven Regulated Release protein technology and soya bean oil, specifically formulated for cattle. The unique mix of energy sources and rumen degradable protein promotes fibre digestion and effective rumen function, leading to increased animal performance. Beefmol Plus provides all the benefits of Beefmol with the added inclusion of a trace element and vitamin pack.

Suitable for use in all feeding systems.

Benefits include:

- High nutrient density in a palatable form that drives dry matter intake
- Boost energy intakes by feeding sugars, glycerine and oil
- Glycerine provides an extra source of propionate in the rumen, allowing extra amino acids to be available for protein synthesis
- Proven to stimulate fibre digestion
- Improved animal performance maximising overall farm profitability

Feed Rates

	Beef	Youngstock (over 3 months)
Feed Rate (kg/head/day)	1-2	Up to 1.0

Specification

	Dry Matter Basis	As fed
Dry Matter (%)	100	67
Total Sugars (%)	40	27
Crude Protein (%)	21	14
ME (MJ/kg)	13.2	8.8
Oil (%)	1.5	1
Ash (%)	17.6	11.8
Sodium (%)	2.7	2.5
Crude Fibre (%)	0	0

Vitamin and Mineral Pack Specification

Vitamin	Inclusion (IU/kg)	Mineral	Inclusion (mg/kg)
Vitamin A	42000	Cobalt	3
Vitamin D3	8000	Iodine	20
Vitamin E	150	Manganese	400
		Zinc	400
		Selenium	2.5
		Copper	120

For further nutritional information, including NutriOpt data, to input into rationing software please contact technical-info@edfman.com

Availability:

Beefmol is available in bulk from 5-29t.

Typical specific gravity of 1.31kg/L or density of 763L/T.



Feeding Britain's Farms

Glyco-Ale - Technical Data Sheet

Feeding Suitability

Cattle



Glyco-Ale is a blend of cane molasses, glycerine and co-products. It is highly palatable with a balance of both energy and protein. It has been shown to increase intakes, reduce dust and stimulate forage digestion. Ideally suited when looking for a balance of energy and protein. The addition of glycerine to the molasses based liquid feed stimulates glucose production which is key for effective metabolism in high performing cattle. It has been shown to improve milk production and carcass composition.

Glyco-Ale is suitable for all feeding systems.

Benefits include:

- High nutrient density providing a rich source of sugars and energy
- Supports milk production in the first 100 days of lactation
- Provides an extra source of propionate in the rumen, saving amino acids for protein synthesis
- Thorough absorption into rations helps bind feed, reducing sorting and dust

Feed Rates

	Dairy	Beef	Dairy Heifers
Feed Rate (kg/head/day)	1 - 3	1 - 2	Up to 1.0

Specification

	Dry Matter Basis	As fed
Dry Matter (%)	100	60
Total Sugars (%)	32	19
Carbohydrate (%)	12	7
Crude Protein (%)	16	9.6
ME (MJ/kg)	14.5	8.7
Oil (%)	0.5	0.3
Ash (%)	10.1	6
Sodium (%)	0.1	0.06
Crude Fibre (%)	0	0
DCAB (mEq/100g)	128.99	

For further nutritional information, including NutriOpt data, to input into rationing software please contact technical-info@edfman.com

Availability:

Glyco-Ale is available in bulk from 5-29t.

Typical specific gravity of 1.30kg/L or density of 767L/T.

Glycomol - Technical Data Sheet

Feeding Suitability

Cattle



Glycomol is a high energy blend of cane molasses, glycerine and fermentation co-products. High in dry matter, sugar and fermentable energy it is ideally suited to high performing herds where protein is already in adequate supply. The addition of glycerine to the molasses based liquid feed stimulates glucose production which is key for effective metabolism in high performing cattle. It has been shown to improve milk production and carcass composition.

Glycomol is suitable for all feeding systems.

Benefits include:

- High nutrient density providing a rich source of sugars and energy
- Supports milk production in the first 100 days of lactation
- Provides an extra source of propionate in the rumen, saving amino acids for protein synthesis
- High in dry matter to help bind feed, reducing sorting and dust

Feed Rates

	Dairy	Beef	Dairy Heifers
Feed Rate (kg/head/day)	1 - 3	1 - 2	Up to 1.0

Specification

	Dry Matter Basis	As fed
Dry Matter (%)	100	70
Total Sugars (%)	46	32
Carbohydrate (%)	12	8.4
Crude Protein (%)	7.5	5
ME (MJ/kg)	14.3	10
Oil (%)	0.5	0.35
Ash (%)	10.1	7
Sodium (%)	0.1	0.07
Crude Fibre (%)	0	0
DCAB (mEq/100g)	79.17	

For further nutritional information, including NutriOpt data, to input into rationing software please contact technical-info@edfman.com

Availability:

Glycomol is available in bulk from 5-29t.

Typical specific gravity of 1.38kg/L or density of 725L/T.



Feeding Britain's Farms

Glycopro - Technical Data Sheet

Feeding Suitability

Cattle



Glycopro is a high energy blend of cane molasses, glycerine and Regulated Release proteins. At 18% protein as fed it is designed to produce an ideal balance of fermentable energy and rumen degradable protein to be fed alongside low protein forages or grass silage in a TMR. The addition of glycerine to the molasses based liquid feed stimulates glucose production which is key for effective metabolism in high performing cattle. It has been shown to improve milk production and carcass composition.

Glycopro is suitable for all feeding systems.

Benefits include:

- High nutrient density providing a rich source of sugars, protein and energy
- Supports milk production in the first 100 days of lactation
- Provides an extra source of propionate in the rumen, saving amino acids for protein synthesis
- High in dry matter to help bind feed, reducing sorting and dust
- Addition of non-protein nitrogen provides the rumen with a source of ammonia which acts as a growth factor for the rumen microbes

Feed Rates

	Dairy	Beef	Dairy Heifers
Feed Rate (kg/head/day)	1 - 3	1 - 2	Up to 1.0

Specification

	Dry Matter Basis	As fed
Dry Matter (%)	100	67
Total Sugars (%)	43	29
Carbohydrate (%)	12	8
Crude Protein (%)	27	18
ME (MJ/kg)	14.1	9.5
Oil (%)	0.5	0.3
Ash (%)	10.1	6.8
Sodium (%)	0.1	0.07
Crude Fibre (%)	0	0

For further nutritional information, including NutriOpt data, to input into rationing software please contact technical-info@edfman.com

Availability:

Glycopro is available in bulk from 5-29t.

Typical specific gravity of 1.32kg/L or density of 755L/T.

Glycopro 44 - Technical Data Sheet

Feeding Suitability

Cattle



Glycopro 44 is a high energy, high protein blend of cane molasses, glycerine and Regulated Release proteins. It is designed to produce an ideal balance of fermentable energy and rumen degradable protein to be fed alongside maize and whole crop based diets where extra protein is required. The addition of glycerine to the molasses based liquid feed stimulates glucose production which is key for effective metabolism in high performing cattle. It has been shown to improve milk production and carcass composition.

Glycopro 44 is suitable for all feeding systems.

Benefits include:

- High nutrient density providing a rich source of sugars, protein and energy
- Supports milk production in the first 100 days of lactation
- Provides an extra source of propionate in the rumen, saving amino acids for protein synthesis
- Harnesses the benefits of urea as an excellent and cost-effective protein source
- High in dry matter to help bind feed, reducing sorting and dust
- The synchrony between the sugar and protein promotes the growth of the rumen microbes fuelling microbial protein production in the rumen
- Addition of non-protein nitrogen provides the rumen with a source of ammonia which acts as a growth factor for the rumen microbes

Feed Rates

	Dairy	Beef	Dairy Heifers
Feed Rate (kg/head/day)	1 - 3	1 - 2	Up to 1.0

Specification

	Dry Matter Basis	As fed
Dry Matter (%)	100	69
Total Sugars (%)	44	30
Carbohydrate (%)	12	8
Crude Protein (%)	44	30
ME (MJ/kg)	13.6	9.4
Oil (%)	0.5	0.3
Ash (%)	10.1	7
Sodium (%)	0.1	0.07
Crude Fibre (%)	0	0

For further nutritional information, including NutriOpt data, to input into rationing software please contact technical-info@edfman.com

Availability:

Glycopro 44 is available in bulk from 5-29t.

Typical specific gravity of 1.30kg/L or density of 771L/T.



Feeding Britain's Farms

Prime 20 - Technical Data Sheet

Feeding Suitability

Sheep & Cattle



Prime 20 is a high performance liquid feed supplement for livestock at grass, or on forage-based systems. It provides a quality source of sugars, proteins with added Regulated Release protein and essential vitamins and trace elements. It is an ideal supplement pre tupping, pre lambing and post lambing to help sustain ewes. For cattle, it can be used to de-dust and nutritionally balance cereal-based rations or poor-quality forage.

Suitable for use in all feeding systems.

Benefits include:

- Protein, energy, vitamins and minerals in one easy to use feed
- Ad-lib feeding reduces stress for sheep and saves time for shepherd
- Highly palatable and improves intake and forage digestibility
- Balances variations in grazing/forage quality and quantity
- Addition of non-protein nitrogen provides the rumen with a source of ammonia which acts as a growth factor for the rumen microbes

Feed Rates

	Dairy	Beef	Sheep
Feed Rate (kg/head/day)	1 - 2	Up to 1.0	0.25

Specification

	Dry Matter Basis	As fed
Dry Matter (%)	100	67
Total Sugars (%)	58	39
Crude Protein (%)	30	20
ME (MJ/kg)	12	8
Oil (%)	0.3	0.2
Ash (%)	12	8
Sodium (%)	0.15	0.1
Crude Fibre (%)	0	0

Vitamin and Mineral Pack Specification

Vitamin	Inclusion (IU/kg)	Mineral	Inclusion (mg/kg)
Vitamin A	42000	Cobalt	3
Vitamin D3	8000	Iodine	20
Vitamin E	150	Manganese	400
		Zinc	400
		Selenium	2.5
		Copper (Cattle Mix ONLY)	120

For further nutritional information, including NutriOpt data, to input into rationing software please contact technical-info@edfman.com

Availability: Prime 20 is available in bulk from 5-29t or as mini bulk from 1000-4000L.

Typical specific gravity of 1.35kg/L or density of 742L/T.

Prime 32 - Technical Data Sheet

Feeding Suitability

Cattle



Prime 32 is a high performance liquid feed supplement for cattle, providing a quality source of sugars, proteins with added Regulated Release protein and essential vitamins and trace elements. It is an ideal supplement for straw-based diets to provide a maintenance ration for spring calving suckler cows or rearing dairy heifers as it helps develop good rumen function.

Suitable for use in all feeding systems.

Benefits include:

- Protein, energy, vitamins and minerals in one easy to use feed
- High nutrient density
- Highly palatable and improves intake and forage digestibility
- Stimulates rumen function and efficiency
- The synchrony between the sugar and protein promotes the growth of the rumen microbes fuelling microbial protein production in the rumen
- Addition of non-protein nitrogen provides the rumen with a source of ammonia which acts as a growth factor for the rumen microbes

Feed Rates

	Beef	Youngstock (>3 months)
Feed Rate (kg/head/day)	1.0 – 1.5	Up to 0.5

Specification

	Dry Matter Basis	As fed
Dry Matter (%)	100	67
Total Sugars (%)	55	37
Crude Protein (%)	48	32
ME (MJ/kg)	11.8	7.9
Oil (%)	0.15	0.1
Ash (%)	11	7.6
Sodium (%)	0.15	0.1
Crude Fibre (%)	0	0

Vitamin and Mineral Pack Specification

Vitamin	Inclusion (IU/kg)	Mineral	Inclusion (mg/kg)
Vitamin A	42000	Cobalt	3
Vitamin D3	8000	Iodine	20
Vitamin E	150	Manganese	400
		Zinc	400
		Selenium	2.5
		Copper	120

For further nutritional information, including NutriOpt data, to input into rationing software please contact technical-info@edfman.com

Availability: Prime 32 is available in bulk from 5-29t or as mini bulk from 1000-4000L.

Typical specific gravity of 1.31kg/L or density of 762L/T.



Feeding Britain's Farms

Prime 44 - Technical Data Sheet

Feeding Suitability

Cattle



Prime 44 is a high performance liquid feed supplement for cattle, providing a quality source of sugars, proteins with added Regulated Release protein and essential vitamins and trace elements. It can be used as an extra protein boost for cattle on forage and straw/cereal-based systems.

Prime 44 can be given free access, but is usually poured over forage or mixed into the ration.

Benefits include:

- Protein, energy, vitamins and minerals in one easy to use feed
- Cost effective source of protein
- Highly palatable and improves intake and forage digestibility
- Stimulates rumen function and efficiency
- Addition of non-protein nitrogen provides the rumen with a source of ammonia which acts as a growth factor for the rumen microbes

Feed Rates

	Beef	Youngstock (>3 months)
Feed Rate (kg/head/day)	0.5 – 1.5	Up to 0.5

Specification

	Dry Matter Basis	As fed
Dry Matter (%)	100	67
Total Sugars (%)	49	33
Crude Protein (%)	66	44
ME (MJ/kg)	10.4	7
Oil (%)	0.15	0.1
Ash (%)	12	8
Sodium (%)	0.15	0.1
Crude Fibre (%)	0	0

Vitamin and Mineral Pack Specification

Vitamin	Inclusion (IU/kg)	Mineral	Inclusion (mg/kg)
Vitamin A	42000	Cobalt	3
Vitamin D3	8000	Iodine	20
Vitamin E	150	Manganese	400
		Zinc	400
		Selenium	2.5
		Copper	120

For further nutritional information, including NutriOpt data, to input into rationing software please contact technical-info@edfman.com

Availability: Prime 44 is available in bulk from 5-29t or as mini bulk from 1000-4000L.

Typical specific gravity of 1.27kg/L or density of 788L/T.



Liquid
Products

Caledonia Syrup - Technical Data Sheet

Feeding Suitability

Cattle



Caledonia Syrup is made from distillery and food industry syrups and can be used as a replacer for pot ale syrup. It is a readily available source of energy and protein, and is an ideal balancer to cereals and other low protein feedstuffs. It is highly palatable driving voluntary intakes, flows easily and helps to reduce ration sorting and dust levels.

Suitable for feeding via mixer wagon.

Feed Rates

	Dairy	Beef
Feed Rate (kg/head/day)	Up to 10% DMI	Up to 10% DMI

Specification

	Dry Matter Basis	As fed
Dry Matter (%)	100	39
Total Sugars (%)	8	3
Crude Protein (%)	28	11
ME (MJ/kg)	13.5	5.0

For further nutritional information, including NutriOpt data, to input into rationing software please contact technical-info@edfman.com

Availability:

Caledonia Syrup is available in full loads only at 27t, artic access will be required on farm. Typical specific gravity of 1.21kg/L or density of 824L/T. Only available out of Grangemouth.



Highland Blend - Technical Data Sheet

Feeding Suitability

Cattle



Highland Blend is ideal for use in dairy and beef diets where TMR mixes require palletising and de-dusting. Its lower viscosity will allow excellent absorption within a TMR mix or when poured over forage. Ideal for use in a balanced ration where barley will be used.

Highland Blend provides the palatability and energy of molasses balanced with the protein from distillers' co-products.

Suitable for feeding in mixer wagons, forage boxes or poured over forage.

Feed Rates

	Dairy	Beef	Youngstock
Feed Rate (kg/head/day)	1 – 2	1 – 2	Up to 1.0

Specification

	Dry Matter Basis	As fed
Dry Matter (%)	100	55
Total Sugars (%)	30	18
Crude Protein (%)	22	12
ME (MJ/kg)	12.7	7
Oil (%)	0.5	0.3
Ash (%)	35	19
Sodium (%)	6.1	3.4
Crude Fibre (%)	0	0

For further nutritional information, including NutriOpt data, to input into rationing software please contact technical-info@edfman.com

Availability:

Highland Blend is available in bulk from 5-29t.

Typical specific gravity of 1.30kg/L or density of 769L/T.

Only available out of Grangemouth.

Typical analysis (dry matter basis)

	DM (%)	Total Sugars (%)	Sugars as fed (%)	Crude Protein (%)	Crude Protein (%) as fed	ME (MJ/kg)	Vits and Mins	Density Litres/MT	Specific Gravity (kg/L)
Standard Blends									
Cane	0.74	64	47.4	6.5	4.8	12.7	No	714	1.44
Economol	0.71	64	45.4	6.5	4.6	12.7	No	724	1.42
Stockmol 20	0.7	56	39.2	10	7.0	12.5	No	730	1.39
Stockmol HE	0.69	51	35.2	11.5	7.9	13.1	No	731	1.34
Molmax	0.65	45	29.3	11.5	7.5	12.5	No	743	1.35

Protein Held Blends									
StiMOLator	0.6	30	18.0	18	10.8	12.2	No	769	1.33
Molale	0.6	42	25.2	16	9.6	13.2	No	790	1.34
MarMolade	0.64	38	24.3	16	10.2	12.4	No	800	1.25
Pot Black	0.6	44	26.4	23.5	14.1	12.3	No	741	1.32

Protein Enhanced Blends									
Regu-pro	0.6	30	18.0	38	22.8	12.5	No	784	1.33
Regumix	0.67	53	35.5	27	18.1	13.1	No	741	1.34
Regumaize 44	0.69	55	38.0	44	30.4	11.8	No	742	1.33
Regumaize 65	0.67	50	33.5	65	43.6	11.4	No	747	1.28
Regupro 50	0.6	42	25.2	50	30.0	12.6	No	774	1.27

Glycerine Enhanced Range									
Sheepmol	0.69	48	33.1	7	4.8	13.5	No	743	1.37
Sheepmol Plus	0.69	48	33.1	7	4.8	13.5	Yes	743	1.37
Beefmol	0.67	40	26.8	21	14.1	13.2	No	763	1.31
GlycoMol	0.7	46	32.2	7.5	5.3	14.3	No	763	1.38
Glycopro	0.67	43	28.8	27	18.1	14.1	No	740	1.32
Glycopro 44	0.69	44	30.4	44	30.4	13.6	No	756	1.30
Glyco-Ale	0.6	32	19.2	16	9.6	14.5	No	769	1.30

Liquid Feed / Special blends									
Prime 20	0.67	58	38.9	29.9	20.0	12	Yes	752	1.35
Prime 32	0.67	55	36.9	47.8	32.0	11.8	Yes	758	1.31
Prime 44	0.67	49	32.8	65.7	44.0	10.4	Yes	764	1.27
Biomag 3.5%	0.58	45	26.1	3.9	2.3	9.4	Yes	739	1.35

Syrups									
Caledonian Syrup	0.39	8	3	28	11	13.5	No	824	1.21
Highland Blend	0.55	30	18	22	12	12.7	No	769	1.30





NO TANK NO PROBLEM

FINANCE SCHEME AVAILABLE

Trial a storage tank - for free!

If you are thinking of using molasses for the first time, and you want to see if it works for you and your stock, then ED&F Man offer a tank trial scheme.

In ED&F Man's tank trial scheme, a fully-equipped storage tank is delivered on-farm for two months, you only pay for the product. During this time the beneficial effects of using ED&F Man's molasses products can be assessed. After the two month trial period, you can purchase the tank outright, or spread the payment using ED&F Man's interest free finance scheme. In the unlikely event of seeing no benefits, the tank can be returned at no cost, except that of the product purchased.

These high level tanks are convenient to use, and allow more cost-effective bulk purchases to be made.

Offer may be withdrawn at any time and is subject to terms and conditions.

Want to know more?

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