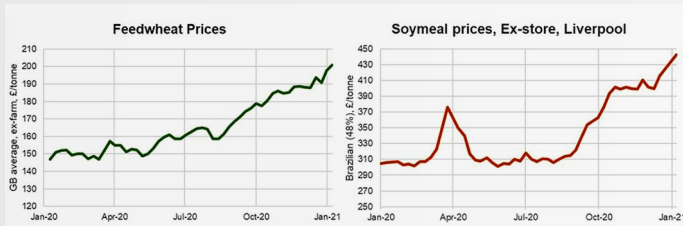


Market Update

We continue to see strong demand for our molasses blends, given the excellent value they represent. This is especially true for higher protein options. With both soya and rape prices being at high levels, our proven Regulated Release products represent excellent value. Trial work has shown that you can replace 1.6kg with 2.0kg of Regumaize 44. In today's market, this would equate to a cost of +60p/cow/day and 45p/cow/day. While 15p/cow/day does not sound a lot, this equates to £7,500 over Winter! Cereals are also at high levels with wheat over £200/T.

**2kg Regumaize 44 @45p = 1.6kg Rape/soya @ +60p
= £7,500 savings**



Brexit

Now that Brexit has happened, we are all getting used to the new rules and regulations. So far, this has not had a major impact on molasses supply. We are confident this situation will not change. We are now in a new era of tariffs and although some clarification is needed, we do expect some tariff on molasses imports.

Sustainability

As we highlighted in our last update, sustainability is something ED&F Man recognise as important for the future. We see demand for sustainable inputs and a requirement to adopt sustainable livestock production systems. To this end, ED&F Man has an ongoing R&D program and has engaged with other key stakeholders to help develop a sustainable livestock production system. For more information, contact your ED&F Man Commercial Manager.



Cost Effective Protein

Feed prices have firmed, act now and make savings!

ED&F Man High Protein Liquid Feeds: Cost effective protein with your sugars for FREE.

Regulated Release protein technology is designed to provide a synchronous release of energy and protein into the rumen. Research proven to nutritionally replace up to 1.6kg of conventional protein sources with 2kg of **Regumaize 44**.

- With replacement feed prices increasing sharply - at these levels, whatever your cover, it makes sense to act now

- **Running short and need to buy?**

Include an ED&F Man high protein liquid feed to reduce costs and minimise expensive protein purchases

- **Plenty of cover?**

Reduce conventional protein use by including an ED&F Man high protein liquid feed to extend your current purchase forward. Paying a little rental cost will be cheaper than buying current replacement levels

- ED&F Man are the **only** supplier that can offer research proven high protein molasses blends

- Published trial data has shown that you can replace 1.6kg of a 50:50 rape/soya blend with 2kg of Regumaize 44



**IN TODAY'S MARKET THAT'S
A COST SAVING OF 15P/COW/DAY**

**AROUND £1,350 PER MONTH
ON A 300-COW HERD!**

Sheepmol

It is well known that ewes in late pregnancy are particularly prone to twin lamb disease, a metabolic disease arising from the high nutritional demands required by the ewe within the last two months of pregnancy, when 70% of the lamb growth takes place. This results in additional stress for both ewe and farmer at an already busy time of year. The rule that prevention is better than cure is particularly true in this situation. By feeding the ewe properly, in terms of both quantity and quality, twin lamb disease can be prevented.

Sheepmol and **Sheepmol Plus** are 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 all the benefits of **Sheepmol** with the added inclusion of a vitamin and mineral pack to further enhance ewe health.

Key benefits include:

- Extra energy boost from feeding sugars and glycerine reduces risk of Twin Lamb Disease
- 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

CNCPS Update

Dynamic rationing software is becoming more and more popular with nutritionists as it can target precision feeding by taking into account the degradability of different feedstuffs within the rumen. Cornell University developed the popular CNCPS software (Cornell Net Carbohydrate and Protein System), which divides ingredients according to their degradability in the rumen. Feedstuffs are given a kd%, this expresses the hourly percentage of ruminal disappearance. New research has found the correct value for sugars in molasses based liquid feeds to be 60%.

After working with Cornell, ED&F Man's presentation of sugar research has led to the most recent modification to the CNCPS library. This can now showcase the full benefits of molasses and molasses based liquid feeds. The updated sugar kd for molasses and ED&F Man liquid feeds in their library has been updated, from a previous rate of 20%, to 60% in line with research. Updates are shown below with reference to other feedstuffs.

Silages: **20%/h**

Hay and concentrates: **40%/h**

Whey: **30%/h**

Molasses and ED&F MAN Liquid Feeds: **60%/h**

Key Ingredients

Sugars: The base of our liquid feeds is cane molasses, which is the most cost-effective source of 6-Carbon sugars available on farm - highly palatable and proven to increase dry matter intake. Trial work has demonstrated that cane molasses can improve fibre digestion, rumen fermentation and overall digestive efficiency. Improving fibre digestion is critical for pregnant ewes as it allows them to get more nutritional value from every mouthful of forage consumed.

Glycerine: A high energy liquid, also known as glycerol and obtained as a co-product from biodiesel production. Glycerine is classified as a carbohydrate, which is sweet, palatable and has a high energy content of around 17.5MJ/kg. Glycerine is readily fermentable in the rumen and can be directly absorbed or fermented to stimulate propionate production. Glycerine is also gluconeogenic, meaning it stimulates glucose production, which is vital for effective metabolism. It can also help improve lactose production in the mammary gland, supporting milk production, a key benefit for ewes' post lambing.

Feeding Guidelines

Molasses based liquid feeds are unique in having a low substitution rate, allowing feed intakes to be maintained in late pregnancy, when rumen space is restricted. ED&F Man's Sheepmol range can be fed to sheep either top dressed, free access via a wheel or ball feeder, or fed as part of a mix. Typical feed rates of 0.25-0.3 kg/head/day.

Although this may not sound like a big change, the effect of this alteration can be seen in the rations below. The two rations show an inclusion of 1.8kg of a molasses based liquid feed in a ration with the kd valued at either 20% or 60%. With the new 60% model, the benefit of molasses based liquid feeds is now more accurately represented and shows an increased milk prediction of 0.8kg driven by an increase in microbial protein yield. As the UK begins to adapt to more dynamic rationing systems it will be good to see liquid feeds accurately represented in rations.

To see full ration information email: technical-info@edfman.com

60% Ration

	Supply	Balance	% Req.	Milk kg
ME Mcal/day	64,34	2,06	103,3	41,88
MP g/day	2.734,1	77,0	102,9	41,68
ME allowable E				41,99
MP allowable E				41,79

20% Ration

	Supply	Balance	% Req.	Milk kg
ME Mcal/day	64,37	2,13	103,4	41,94
MP g/day	2.696,7	41,5	101,6	40,91
ME allowable E				42,05
MP allowable E				41,01

Why not try our coffee break Wordsearch...

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P	E	N	K	K	L	E	V	M	M	U	N	E	M	SUGAR

Want to know more?

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