

**Not all liquid feeds are equal, and the cheapest liquid may not be the most cost-effective or practical for your farm**

- Availability**
- Shelf Life**
- Consistency**
- Cost Effectiveness**
- Flexibility**
- Digestibility**
- Reliability**

**1. Availability**

- Is this liquid available when you need it or is it dependent on other factors?
- Ruminants require a consistent ration to efficiently digest feed and maintain performance. Constant reformulation of diets is also a time-consuming job!

**2. Flexibility**

- Is the liquid available in different load sizes or full loads only? Does it need specialist equipment to use?
- Some by-products are only available in full 29T loads which isn't practical for the majority of farms to utilise

**3. Shelf Life**

- What is the shelf life of the liquid?
- Some by-products may only be good for 1-week!

**4. Digestibility**

- Is the liquid a by-product from a fermentation process affecting the sugar structure?
- Different sugars have different effects once in the rumen as found from several previous studies
- Lab research illustrated in the graph opposite, found that during a 72-hour fermentation, Regumix consistently had the greatest effect on rumen fermentation compared to wheat syrup with the lowest

**5. Consistency and Reliability**

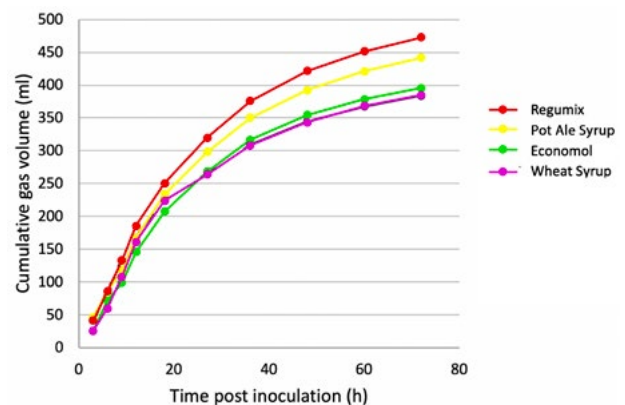
- Is the liquid being made to a standard specification or can it vary due to the manufacturing process?
- Some by-products can vary by up to 40% on the protein content!

**6. Cost Effectiveness**

- How long will a full load last? Would it be cheaper in the long term to buy a more expensive blend which lasts longer?
- On a 250-cow herd being fed over the 200-day winter period, the use of an ED&F blend such as Molale versus a 20% dry matter syrup can be a more cost-effective option
- One load of Molale will last upwards of 56 days fed at 2kg/h/d, whereas some syrups are fed up to 10kg/head/day which will only last 10 days in comparison
- In effect, one load of molasses blend will last 5x longer than a lower dry matter syrup

ED&F Man Liquid Feeds are manufactured to a guaranteed specification and are produced to order, giving users the confidence to build a ration that can be consistent and reliable in terms of quality, nutritional value and availability. Our liquid feeds are free flowing, easy to handle and come with a long shelf life.

Cane molasses based liquid feeds are proven through independent research to increase dry matter intakes, decrease sorting, improve fibre digestibility and maintain a healthy rumen environment.



**Key research findings with 6-8% dietary sugar supplemented:**

- + 1.1kg/cow/day dry matter intakes
- +17% improvement in fibre digestion
- + 1.9 litres/cow/day milk yield
- Almost 3 hours/day less spent in acidotic rumen conditions
- 7% urinary nitrogen loss
- +0.11% milk fat %
- +0.06kg extra average daily weight gain
- 25% less ration sorting

