

Optisaf Breeder Cube

This cube is designed ideally for the breeding season. It has a protein of 13% and used in conjunction with a predominantly grazing system.

Maize and native cereals make up the top two ingredients in this cube hence supporting the cow with only the best energy sources on the market. It contains protected minerals in the form of Copper, Selenium, Zinc and Iodine, which are all key components whilst in the breeding season and also contains cal-mag for a 2.5kg feed rate. With the inclusion of only the highest spec minerals and Yeast this cube still boasts a UFL of 0.94, proving that only top quality raw materials are used in the formation of this cube. The secret weapon in this cube is our **Actisaf Live Yeast**. This Live Yeast is included at high rates and in turn helps reduce the risk of **S.A.R.A (Sub Acute Rumen Acidosis)**.

High Phos Breeder Cube

This cube is mirrored off the Optisaf Breeder, it is 13% protein and contains all of the same ingredients but with one exception, that's the inclusion of (DCP) Di Calcium Phosphate into the mix.

Many Dairy Farmers are seeing cows showing up deficiencies in Phosphorus and this is becoming more common year on year. Such tell-tale signs include cows chewing at timber, or fence posts or even chewing stones. Symptoms generally become visible in early summer and once administered calculated levels of phosphorus over a period of time these issues tend to correct themselves. This cube will play a vital role during breeding season on farms where Phosphorus deficiencies are present.



WHAT IS S.A.R.A.

S.A.R.A. otherwise known as Sub Acute Rumen Acidosis.

This is caused by the 'rapid fermentation of grass high in sugars, with low fibre content causing lactic acid to build up in the rumen'. The accumulation of lactic acid causes the rumen pH to decrease and when it drops into the range of pH 6.0 down to 5.0 sub-acute rumen acidosis develops. This leads to reduced feed digestion and decreased energy output from the rumen. S.A.R.A generally occurs when cows are grazing leafy swards with low fibre content.

How Does ACTISAF Work

Actisaf is live yeast that uses up oxygen, enhancing the rumen environment by increasing fibre digesting bacteria, stabilising rumen pH and increasing ammonia utilisation in the rumen. In turn what you can expect is:

- ▶ Improved milk solids
- ▶ More consistent dungs
- ▶ Increased cudding
- ▶ Stronger heats and better conception rates



Master Pasture Nut

This is a 14% protein cube and is ideal for summer grazing.

With maize as your main energy source you can be rest assured that your herd will have sufficient energy intakes throughout the summer months, especially when grass supplies may tighten.

This is a very cost efficient cube and contains full rate minerals and Cal-Mag as standard.



Dairy Choice 16%

This is a competitively priced 16% protein mid energy cube designed for the typical spring calving herd on a grass based diet.

The main energy source is maize and native cereals, blended with a mix of fibres and proteins to deliver a consistent palatable cube that also carries full rate minerals and Cal-mag. This cube will help maintain production levels and cow condition from mid lactation and can be used as a top up feed if grass supply becomes scarce in mid-summer.



Dairy Care 19%

Dairy Care is a 19% protein cube carefully formulated for young replacement heifers.

It contains high levels of top quality proteins including soya bean to ensure that you achieve weight for age targets whilst also encouraging frame size and growth early on in the animal's life. These aspects cannot be overlooked when trying to calve down at 2 years. Our proteins have been balanced with excellent energy sources to deliver good energy content. This feed can be introduced from 6 months of age right up to calving if required. Dairy Care can be purchased in either cube or ration form and contains minerals as standard.

Dairy 18% - Coarse Mix

This is a high energy 18% coarse ration for medium to high yielding cows on silage or a grass based diet.

Over 40% of this ration is made from native cereals with the inclusion of pulps, hulls and distillers grain to increase the flow through bins and augers. It is high in digestible fibre so increased feeding rates in winter months can be easily achieved. This ration also contains standard vitamins, minerals and cal-mag.

Dairy Boost

This is a very competitively priced high energy 14% coarse ration designed for cows on a grass based diet.

It contains native barley as its main energy source, which is balanced with maize gluten and distiller pellets for protein with soya hulls and pulp as a source of digestible fibre. Many of the ingredients chosen for this coarse ration are of a nut texture, making it ideal for parlour feeding. This ration comes as standard with vitamins, minerals and cal-mag.

LIFFEY MILLS

Fuelling Efficient Farming

Progress with DAIRY FEEDS



At Liffey Mills we offer an extensive range of both Dairy Cubes and Rations.

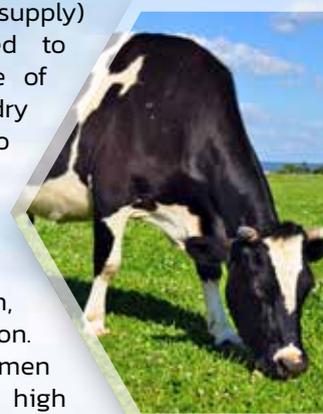
What makes our Dairy range a market leader is because of our appetite to satisfy our customer demands. We recognise the importance of optimizing milk production by selecting the correct dairy feed to suit the genetic merit of your herd, forage type and seasonality of production. We have high inclusion rates of cereals with maize and barley making it to the top of the label, followed by high energy fibre sources such as pulp and blended with fine proteins.

To complement the quality ingredients in our feed we have an excellent range of minerals and additives exclusive to Liffey Mills ensuring that your herds' mineral status is at its full potential.

Dairy Deluxe 20%

The 20% protein high energy cube has been formulated for the high genetic merit herd to deliver litres whilst maintaining condition score either as part of a winter milking diet or in early lactation on a spring calving herd.

Balancing a total mixed ration (TMR) is vital for dairy cows especially in early lactation when access to quality grass is limited and this is where our deluxe cube plays a pivotal role. Its main protein source is soya bean, which is the best source of undegradable protein on the market. It boasts of maize and native cereals as its main energy source complimented with **Megalac** (a protected fat that increases the cows energy supply) this in turn has attributed to give this cube a UFL value of 1 (as fed basis) or 1.16 (dry matter basis). We have also included protected minerals in the form of copper, selenium and zinc. These are three vital minerals that support metabolism, growth, production and reproduction. Another issue faced is rumen acidosis especially when on high starch diets or lush grass; therefore we have included **Levucell SC** (a Rumen Specific Live Yeast to aid digestion). Cal-mag is also included as standard as an aid in the prevention of grass tetany.



Diamond Dairy 18%

An 18% protein high energy cube designed for the high genetic merit animal in both winter milk and early lactation in the spring calving herds.

Its composition of native cereals and maize provides its main energy sources, combined with digestible fibres such as soya hulls and pulps to allow generous levels of feeding. This is topped off with high quality protein sources. This is a well-rounded balanced feed that will certainly deliver litres whilst maintaining body condition score in both early and late lactation. It has a UFL value of 0.95 (as fed basis) or 1.1 (dry matter basis) and will compliment grass silage and/or grazing diet preferably. We have included **Megalac** (a protected fat that increases the cow's energy supply). Protected minerals have also been added in the form of copper, selenium and zinc to give your cow that additional boost at these critical points of the season. Additionally we have included **Levucell SC** (a Rumen Specific Live Yeast). This will allow for greater intakes and better utilisation of feed. Cal-mag is also included as standard as an aid in the prevention of grass tetany.

Premier Dairy 18%

An 18% protein mid energy cube specifically formulated for the moderate to high yielding herd being fed on good quality forage and/or grass.

This cube is ideal for sustaining yields where herd health or body condition score is not an issue. The composition is made up of maize and native cereals with high levels of digestible fibres such as hulls and blended with fine proteins. This cube delivers a UFL value of 0.93 (as fed basis) or 1.07 (dry matter basis). It also also contains full rate minerals and Cal-mag as standard. This cube will play a definitive role in many dairy enterprises throughout the lactating year.

Milkmaster 18%

An 18% protein cube devised for the typical spring calving herd and perfect for the shoulders of the year when grass supplies become tight.

This is a competitively priced cube that contains up to 30% native ingredients in its formulation proportioned with fibres and proteins to deliver a palatable feed, also consisting of full rate minerals and cal-mag. Ideal as a complimentary feed to sustain litres. Milkmaster 18% is also available in **bag form**.



Dairy Leader

A 16% protein cube flourishing with maize and native cereals as its main energy sources.

This feed will deliver on performance for high genetic merit herds. Its slightly lower protein will ensure cows won't lose excessive body condition post calving, and with the inclusion of digestible fibres and quality proteins this cube can be used right throughout the year to both replenish freshly calved cows and to boost production levels in mid to late season. To give this cube a superior edge we have also included **Megalac** (a protected fat that increases the cow's energy supply), **Levucell SC** (ruminant specific yeast to aid digestion), **Selenium** (organic form that supports metabolism and reproduction), **Protected Copper** (important role in the immune system). Full rate minerals and cal-mag come as standard, with UFL values of a respectable (0.96) or 1.11 (dry matter basis).

There is a leader in every field and this cube should be given serious consideration if you want to get the most from your herd.

What Is The Benefit Of:

MEGALAC is a protected fat that is digested in the lower gut opposed to the rumen and acts as an excellent way to lift a dairy cow's energy intake. The energy supplied by megalac is highly digestible, which helps get cows back into positive energy balance quicker. Adding 0.5kg per cow per day of megalac typically lifts the total ration energy density by 0.5MJ/KG, often enough to lift milk yields of around 2 litres per cow.

PROTECTED SELENIUM is an organic form of selenium manufactured to mimic Mother Nature, it is better absorbed, stored and utilized by the animal than inorganic selenium. **Selenium** plays an essential role in metabolism, growth, reproduction and as a defence against infection.

LEVUCCELL SC is a Rumen Specific Live Yeast that stimulates bacterial activity in the rumen, thus maintaining rumen pH levels which allows better fibre digestion and reduces the risk of **S.A.R.A.** - Sub-acute rumen acidosis

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