

Sheep Feeding During Pregnancy

Month 1: Good nutrition, avoid big changes in the diet and give Vitamin E and Selenium in the 3rd week—(egg implantation).

Month 2&3: Keep nutrition basic and condition score ewes aiming to have bcs 3.0–3.5, lower quality forages like hay can be fed during this period.

Month 4&5: Very rapid foetal growth (75% of lamb growth in last 6–7 weeks), feed only top quality concentrate in late pregnancy aiming for high vigour lambs with good birth rates.

Concentrate Feeding Plan: Introduce 8 weeks pre-lambing and start at 150 grams/head/day up to 450 grams/head/day by week 4, building up to 750 grams/head/day 1 week prior to lambing.



Lamb Creep

This is a top quality 18% protein ration specifically designed for new born lambs.



It's packed with high levels of cooked ingredients such as flaked barley, flaked maize, soya bean and peas. These are easily digested in the lamb's stomach, giving the opportunity for advanced and rapid early growth which is ideal for intensive production systems. This mix also contains a specialized pelleted intensive lamb mineral. The idea of the pellet is that the lamb will consume and utilize the mineral in full, therefore no wastage at the bottom of the trough, allowing the lamb to reach its full potential. An important component of the mineral is the addition of ammonium chlorate and salt, which helps to prevent Urinary Calculi (stones in the kidney), a problem associated with young ram lambs.

Lamb Finisher

A 17% protein ration formulated with optimum balance of energy and protein sources for finishing lambs in a short time frame.



This ration provides ample nutrients for rapid growth, maximum lean meat yield and feed conversion efficiency. Similar to our Lamb Creep Ration it also contains a pelleted intensive lamb mineral to ensure that the lamb will consume and utilize the mineral in full. Additionally ammonium chlorate and salt is added to aid in the prevention of Urinary Calculi in ram lambs.

Ewe and Lamb Cube 19%

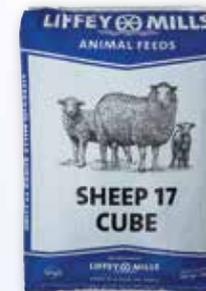
This is a 19% cube with all the delicious attributes of our ration but cubed for those of you who prefer to feed a nut.



This nut can be fed both pre and post lambing if desired and is an essential feed if lambing in the winter months. Its inclusion of **Vitagest** will ensure that the ewe gets adequate intakes of selenium and Vitamin E, vital for lamb vigour and the reproductive cycle. The energy in this cube is delivered from maize and native cereals which will help maintain body condition score post lambing once complimented with high quality forages. Its high protein content is made up of only top quality ingredients including Soya Bean and digestible fibres to help prevent any pre-lambing upsets. The addition of Cal Mag aids in the prevention of grass tetany when ewes are let out to grass after lambing. The cube also contains full rate minerals in addition to the **Vitagest**.

Sheep 17 Cube

This is a 17% protein cube that's been carefully formulated to cater for ewes 6–8 weeks out from lambing in need of a boost to their condition score and also as a general purpose feed for non-breeding stock.



It contains native cereals and maize as the primary energy sources together with quality digestible fibre and palatable proteins along with full rate minerals to produce a competitively priced option that ticks many boxes.

Lamb Fattener Cube

This is a cube with very similar attributes to our ration but slightly lower in protein at 16%.



The lower protein content allows for better feed conversion when finishing older lambs. Like all our sheep range this cube is packed with only top quality sources of energy, fibres and proteins therefore allowing it to be fed at generous levels speeding up the finishing process. Full rate minerals are included as standard with the addition of ammonium chlorate and salt in the premix, helping aid against Urinary Calculi (stones in the kidney). This can be a serious threat to young ram lambs and is caused when small stones form in the urinary tract and cause retention of urine, having the potential to rupture the urinary bladder.

Lamb Creep Cube

This is an 18% protein cube that has been mirrored off our very popular lamb creep ration.



This is a superior cube that caters for the developing rumen by allowing new born lambs to digest the feed easily. This feed is packed with only the best ingredients including native cereals, maize and soya and a specially formulated intensive lamb mineral. This mineral also contains ammonium chlorate and salt, helping aid against Urinary Calculi (stones in the kidney) a common problem found in young ram lambs. This cube can be fed as liberal as is required and is ideal for anyone with intensive production systems trying to push growth rates from an early age.

LIFFEY MILLS

Fuelling Efficient Farming

Progress with EWE & LAMB FEEDS



TOASTED FLAKED INGREDIENTS

Liffey Mills are one of the few agri-merchants that have unique facilities of Toasting (Cooking) our own ingredients.

The process involves the cleaning and screening of locally sourced ingredients followed by steeping, cooking at high temperatures for a short period and rolled while still hot.

We have a wide range of toasted ingredients which include Flaked Barley, Maize, Wheat, Full Fat Soya, Peas and Beans. The **benefits** are two fold:

Nutrition:

The application of heat and pressure on a raw material causes the gelatinisation of starch which leads to improved digestibility in the rumen for the young animal.

- ▶ US Trials have shown an 8% increase in average daily weight gain over rolled products.
- ▶ At Liffey Mills tests on Starch Gelatinisation in Flaked Maize is in excess of 92% leading to a more digestible ration.
- ▶ This in turn gives you higher returns for every euro spent on our feed when compared to unprocessed raw materials and those of other suppliers who dry roll maize.
- ▶ Ultimately the Toasting and Flaking process of cereals and proteins leads to increased Daily Live Weight Gain in animals, but more specifically in young stock.

Appearance:

- ▶ Flaked ingredients not only provide an excellent source of highly available nutrients but contribute aesthetically to the products appearance.
- ▶ A clean durable flake is produced which gives an attractive palatable ingredient for a coarse ration with minimum dust particles.



The Importance of VITAGEST

Vitigest is organic selenium with enhanced vitamin E that's blended together in a pre-mix and included in our Ewe & Lamb ration and cube.

Minerals play a very important role in a ewe's diet, especially during pregnancy when their requirements increase for some minerals. The inclusion of enhanced vitamin E and selenium ensures:

- ▶ Increased lamb vigour
- ▶ Lamb stand and suckle earlier
- ▶ Increased vitamin E in colostrum helps increase immunity
- ▶ Lamb mortality rate decreases
- ▶ Plays a preventative role against mastitis
- ▶ Increased reproductive performance

Independent trials carried out in University College Dublin (UCD) have shown that feeding organic selenium plays a vital role in the above mentioned characteristics. This trial also shows lamb growth rates improved by 6.5% and weighed 2kgs heavier at 15 weeks of age.

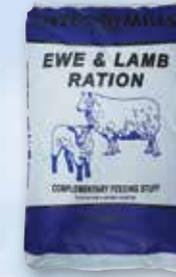


Ewe & Lamb Ration

This is an 18% protein ration that is a highly digestible feedstuff, packed full of nutrients that the Ewe requires.

Only top quality ingredients are used, with the addition of Toasted Full Fat Soya which is rich in both oil and protein, helping to keep up milk production early on in the lamb's life. Additionally a generous coating of molasses is used to give a highly palatable ration that will encourage milk production during the first three vital weeks of the lamb's life.

The ration also includes **Vitigest**, and will ensure that the ewe gets adequate intakes of selenium and vitamin E, vital for lamb vigour and the reproductive cycle.



Sheep Ration

This is a 17% protein ration containing a superb blend of ingredients to ensure the ewe does not encounter any digestive upsets prior to lambing.

It's packed with generous levels of native barley and oats which gives the ewe optimum energy levels in turn allowing for good lamb growth in the ewe. The protein level of 17% ensures the ewes nutritional needs are met pre-lambing and also counters against disorders such as twin lamb disease and milk fever around lambing time, which in turn allows for good lamb birth weight, udder development and milk let down post lambing.



Liffey Mills is a privately owned agricultural merchant founded in 1982 by Richard Liffey Junior.

What started out as a small grain and feed business at the old monastery mill at Bunnow Roscrea has grown into a much larger organisation. The success of Liffey Mills is due to our commitment to improve the quality of our products and services we provide through continued product development and a staggering investment program to ensure the long term viability of our company.

Our aim is to supply and deliver highly nutritional sheep rations and cubes. Our unique toasting facilities allow us to include only the best toasted flaked ingredients in our rations making it palatable and aesthetically appealing. Our unique mineral and vitamin packages ensure that your flock are at their optimum performance.

Whether you want to maximise milk yield, require the best start for young lambs, or the best nutrition for finishing lambs, rest assured that you are feeding the best feed.

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