TRANSITION
AN EVIDENCE-BASED APPROACH

The importance of transition cow health is often overlooked. However, the consequences of poor transition management can be seen in the herd throughout lactation.

ReaShure®
Precision Release Choline

Pre-calving - The challenge

The management of cows in the close-up dry period (21 days pre-calving) is critical for future health, milk production and reproductive success. During this period, a cow's immune system becomes depressed, the nutrient requirements of the fetus increases and the cows dry matter intake (DMI) decreases. This combination, along with sub-optimal nutrition, can have a negative impact on herd health and therefore profitability.

SO, WHAT CAN WE DO PRE-CALVING TO COMBAT THIS?

Feed ReaShure precision release choline

Why?

- To meet energy demands the cow mobilises body fat to the liver. However, if not managed this can lead to issues including fatty liver and ketosis
- Choline facilitates the processing and packaging of fat out of the liver to maximise energy production for the cow for e.g. milk production post-calving
- Choline is proven to have great benefits for all body condition scores, not just 'fat cows'

Key benefits:

- Across 38 published papers, ReaShure has shown the following benefits:
  1. Average increase 2.2litres/day milk yield
     - Maintained over whole lactation!
  2. ↑ Milk constituent yield & DMI
  3. Improved energy status, leading to:
     - ↑ Reproductive success
     - ↓ Ketosis, Fatty liver, Metritis & Metabolic issues
  4. NEW data showing:
     - Improved colostrum quality & ↑ Heifer growth rates
     - ↓ Subclinical hypocalcaemia & ↓ Calf mortality

Application:

- Ideally, choline is fed both 21 days pre and 21 days post-calving. We recognise there are challenges to post-calving feeding, however, it is important to emphasise that there are significant benefits feeding ReaShure just pre-calving (see figure 1 & 2)
- Feed 60g ReaShure per cow/day to maximise your herd health

AminoShure®-XM
Precision Release Methionine

Post-calving - The challenge

The importance of maintaining cow health through nutrition doesn't stop at calving. DMI continues to be insufficient to meet the cows demands for the first 8-10 weeks post-partum. This means that targeted and specific nutrient feeding is essential to optimise both cow health and performance.

HOW CAN WE ASSIST WITH THIS POST-CALVING ISSUE?

Feed AminoShure-XM precision release methionine

Why?

- The most common limiting amino acid we see in UK rations is methionine
- Unfortunately a cow doesn't have the ability to synthesise methionine herself so relies on dietary supplementation
- Amino acid deficiency can hinder protein synthesis which can lead to reduced recovery and performance
- Therefore, supplementation with a rumen-protected methionine (AminoShure-XM) is key to driving post-calving returns

Key benefits:

- Published research on AminoShure-XM has shown:
  1. Increased milk protein % & yield
     - Methionine deficiency = 0.1-0.2% milk protein drop
     - An increase in milk fat % & yield may also occur
  2. Allows a reduction in CP % in ration
     - This may improve income over feed costs
  3. May improve milk yield in early lactation and give a higher peak milk production
  4. Help reduce metabolic disorders
  5. Reduced environmental impact

Application:

- AminoShure-XM can be fed both pre and post-calving. However, the greatest effects on e.g. milk protein are seen from post-calving supplementation
- Most UK rations require 20-25g AminoShure-XM

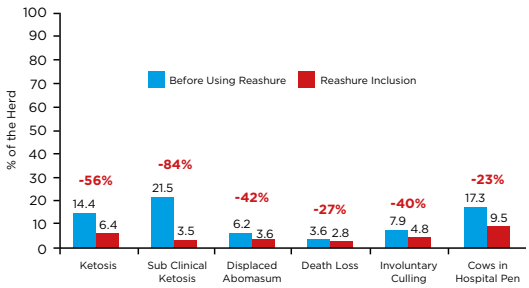

Figure 1: Reduction in transition related disorders from feeding ReaShure 21 days pre-partum.

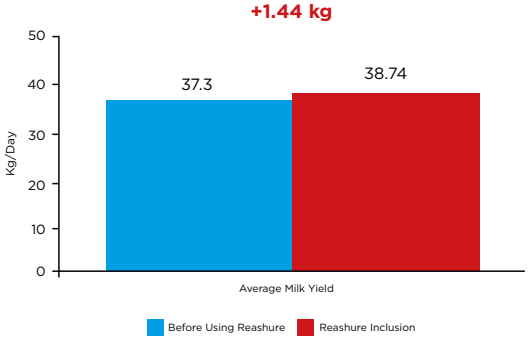

Figure 2: Milk yield improvements seen across the full lactation from feeding ReaShure 21 days pre-partum.

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