



AGRICULTURE

At NWF we know the
importance of **Hydration**
and **Gut Health**

TechMix Product Brochure

EDITION 2

0800 756 2787

www.nwfaculture.co.uk



Redefining hydration and gut health to keep your herd drinking, eating and producing.

NWF Agriculture supply a range of associated products designed to meet the needs of the calf and dairy cow which supports hydration and gut health.

These products are formulated by TechMix. TechMix is an innovative, family-owned company, grown from its small-town Minnesota roots to compete in the global marketplace. The business is now a global supplier and industry acknowledged leader in hydration & stress event solutions for production animals.

The TechMix range features four products:

• For the Dairy Cow

Fresh Cow YMCP

A fresh cow supplement featuring yeast, magnesium, calcium, potassium and niacin for the transition into lactation

Rumen Yeast Caps

A source of yeast and vitamins for dairy and beef cattle in capsule form

• For the Calf

Calf Renova

Easy-to-use capsule containing essential oils, yeast extracts and probiotics to support digestive health during intestine upset.

Bluelite Replenish™

A scientifically formulated electrolyte to provide hydration for pre-weaned calves

NWF is the sole UK distributor of TechMix products which are manufactured in Ireland.



Fresh Cow YMCP is the total fresh cow solution that provides rehydration and nutrients essential to maintain optimum peak yield while also helping to maintain health. The product provides more than just calcium to activate the metabolism and the rumen, helping with recovery and ease the transition into lactation.



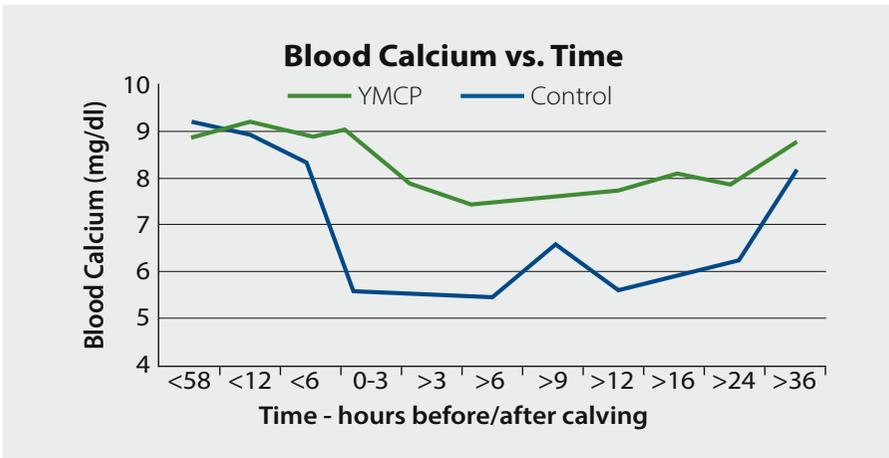
Features and Benefits

- Contains live yeast to support rumen function
- Promotes an optimal rumen environment
- Calcium derived from four different sources, including highly palatable and easy-to-absorb milk calcium which supports muscle tone of the uterus
- Magnesium to help the body absorb calcium
- Added potassium required for energy metabolism
- Includes Niacin which is essential for energy metabolism
- Betaine promotes intracellular hydration
- Vitamin E and Zinc chelate to support animal health during stressful periods
- Highly palatable and non-abrasive formula

Field trials show blood calcium can be stimulated by feeding YMCP to fresh cows. The YMCP cows showed a normal decline in blood calcium but they never dropped below 7.4 (mg/dl) or experienced any signs of milk fever (Figure 1 over the page). The control cows fell further (5.3 mg/dl), but recovery started after 24-36 hours. A "healthy" cow range is approximately 8-10 mg/dl, sub-clinical 8-6 mg/dl and clinical 6 and below.



Figure 1: Field trials showing blood calcium levels before and after calving



Commercial farm, Mas Gener Holsteins, Spain, 2014

When to use

- Immediately post-calving
- To offer support during metabolic disorders including, hypocalcaemia, ketosis, displaced abomasum's and retained placentas
- For cows that are energy deficient or have been off feed
- Post-surgery

Directions for use

- Feed 500g (one sachet) as soon as possible after calving through bucket or drench
- Water Use: Mix one sachet of Fresh Cow YMCP with 20 litres of warm water. For best results, offer as soon as possible after calving to ensure the cow drinks the full bucket.
 - Drench Use: Mix one sachet of Fresh Cow YMCP with 1-2 litres of warm water then drench. Drench suspension slowly to permit swallowing.

YMCP is water dispersible, not fully water soluble. Ensure the mixed solution is not left to settle.

Key Functional Components

Live Yeast, Fermentation products, Magnesium, Calcium, Potassium, Electrolytes, Vitamins A, D3 and E, Niacin, Betaine, Zinc chelate of glycine hydrate and Propylene glycol

Fresh Cow YMCP - 20 sachets per bucket

"I use YMCP to reduce post-calving nutrient deficiencies and aid recovery. Fresh Cow YMCP is a product that works to protect cows from post-calving diseases associated with Ca, K, Mg, P deficiency. A further benefit is that YMCP contains substances that strengthen the cow's immune system and ensure optimum rumen functioning. As a veterinarian with 30 years of work experience, I am pleasantly surprised at the effectiveness of YMCP, and include it for post-calving period diseases, prophylaxis and treatment protocols. Likewise, YMCP can be successfully included protocols for ketosis and the live yeast helps boost dry matter intake."

Egils Juitinovics, DVM Vidzemes Veterinārais Serviss,



Rumen Yeast Capsules



Rumen Yeast Capsules

When cows are off feed, helping them to return to normal intake levels and profitability quickly is the top priority. Rumen Yeast Caps are a source of yeast and vitamins in an easy-to-use bolus form to be used at off-feed events. These boluses help to maintain or restore digestive health and energy metabolism whilst encouraging dry matter intakes.



Features and Benefits

- Contains 30 Billion CFU's of live yeast cultures
- Includes the recommended 6 grams of Niacin which is essential for energy metabolism
- Vitamin E supports animal health during stressful periods
- Promotes an optimal rumen environment
- Supports optimum feed efficiency and encourages dry matter intakes

When to use

- Anytime dry matter intake drops i.e. after calving, during heat stress or environmental challenges
- After antibiotic treatment

Directions for use

Give one capsule daily using the large applicator for a maximum of 2-3 days following calving, or whenever feed or dry matter intake drops below normal. Do not exceed 3 boluses.

Key Functional Components

30 Billion CFU's Live Yeast, Fermentation Products, Niacin and Vitamin E

Rumen Yeast Caps - 25 boluses per pot

"Rumen Yeast Caps are part of our daily routine. We are currently milking 1,800 cows at Bluestream Dairy, where herd health is a top priority, and with the help of Rumen Yeast Caps, we are able ensure that cows stay on feed and perform at their full potential. We use Rumen Yeast Caps routinely for fresh/sick cows that are off feed. We give 1 capsule daily for 3 days, and our cows don't miss a beat – they are back on full feed. The TechMix product line is a staple in our herd – in addition to the Rumen Yeast Caps product; we use Fresh Cow YMCP for our fresh cows. We believe it is important that you give your cows what they need, when they need it!"

Nico Olsthoorn, Bluestream Dairy, Convooy, OH



Early life nutrition and management can pre-program the metabolism of a calf to determine their life-time productivity (Metabolic Programming). Management of stress events, health, and nutritional challenges in the early months of a calf's life can result in significant long-term benefits (Bach & Ahedo 2008).



Calf Renova is an easy-to-use bolus containing a source of natural ingredients. The bolus includes a botanical extract, naturally occurring microorganisms (Direct Fed Microbials (DFMs), and yeast fermentation products. Calf Renova provides intestinal support through beneficial bacteria and plant extracts as an effective intervention for diarrhoea.

Features and Benefits

- Contains a specifically selected hind gut DFMs (probiotic)
- Essential Oil as a natural antioxidant
- Offers a natural antimicrobial effect

When To Use

- At first sign of diarrhoea or as a preventative
- Upon receipt of incoming calves
- To help ease the transition from colostrum to whole milk or milk replacer
- During periods of digestive problems or immediately after

Directions For Use

Administer 1 bolus capsule per calf at first signs of intestine upset or reduced intake from 3 days of age. Repeat if needed after 24 hours.

It is recommended if you administer a Calf Renova capsule you follow up with a dose of BlueLite® Replenish^M

Key Functional Components:

Yeast products (MOS), Essential Oils and DFMs (probiotic)

A calf is an investment in genetics and tomorrow's income

Calf Renova - 12 boluses per pot



AGRICULTURE

BLUELITE®
Replenish^M
For Calves

BLUELITE® **Replenish^M** For Calves

Early life nutrition and management can pre-program the metabolism of a calf to determine their life-time productivity (Metabolic Programming). Management of stress events, health, and nutritional challenges in the early months of a calf's life can result in significant long-term benefit (Bach & Ahedo 2008).



Calf diarrhoea continues to be a major health problem in calves less than 2 months of age. BlueLite® Replenish^M is a highly palatable liquid, buffered calf electrolyte formulated for the severely dehydrated calf.

Features and Benefits

- Scientifically formulated for optimal osmolarity, tonicity, acidification and energy, to provide the right hydration at the right time giving calves the best chance to reach their genetic potential
- Corrects dehydration and electrolyte abnormalities (Na, K, Cl) facilitating the absorption of sodium
- Provides energy
- Maintains a low abomasal pH supporting a healthy digestive tract
- Nutrient dense liquid - providing ease of supplementation with no mixing required

When To Use:

- Calves with diarrhoea - Recommended for use during all stages of diarrhoea
- Calves slow to drink milk or signs of weakness and stress
- Immediately after application of a Renova bolus

Directions For Use

100ml into 2 L of extra water (preferably warm) consumed daily
Or add 50ml with each milk feeding twice a day (morning and evening).
Repeat until calf recovers.

Key Functional Components:

Glucose, Electrolytes, Sodium Acetate, Glycine and Betaine

A calf is an investment in genetics and tomorrow's income

BlueLite Replenish – 1.1 litre bottles



AGRICULTURE

0800 756 2787
www.nwfagriculture.co.uk
sales@nwfagriculture.co.uk

NWF Agriculture Ltd, Wardle, Nantwich, Cheshire, CW5 6AQ

