Special Range for Cattle

from transition period to calf rearing

serumwerk bernburg


TechMix
REDEFINING HYDRATION

Dairy Cows

Calves

Fresh Cow YMCP®

BEST PERFORMANCE AFTER CALVING

Composition

- Potassium chloride, Calcium carbonate, Dextrose, Dicalcium phosphate, Magnesium oxide, Lithothamnium, Saccharose, dried whey, Sodium chloride, Lactose, Propylene glycol, Milk powder, Fructose, Wheat bran, Aspergillus oryzae product rich in protein, Sodium bicarbonate, Carrot and hibiscus Concentrate.
- Additives: Vitamines and Provitamines: 3a672a Vitamin A 360000 IE/kg, E671 Vitamin D3 160000 IE/kg, 3a700 Vitamin E 1000 mg/kg, 3a314 Niacin 6000 mg/kg.
- Trace Elements: 3b607 Zinc chelat Glycin hydrate 100 mg/kg.
- Microorganisms: E1711 Saccharomyces cerivisiae CNCM I-1077 $4{,}6 \times 10^{10}$ CFU/kg.

How Fresh Cow YMCP® leads to better start into the lactation

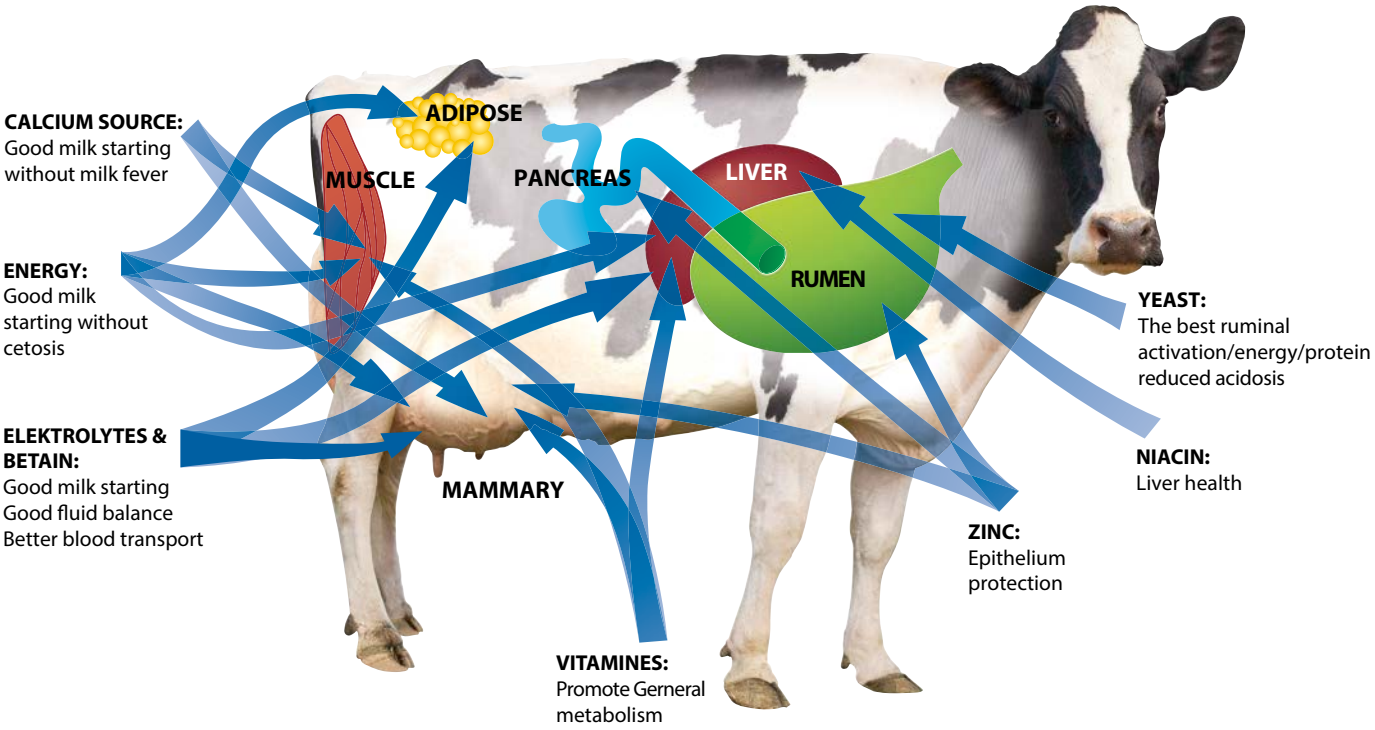
- The specific composition of this mineral feed meets the increased need for important minerals such as calcium, magnesium, potassium and phosphorus.
- Live yeast (Saccharomyces cerevisiae) is used to maintain physiological rumen pH value.
- Fermentation products from Aspergillus oryzae promote the digestibility of crude fibres and ensure a high level of energy from the roughage.
- Niacin and vitamins stabilize the overall condition.

Instruction for use

After calving:

- Mix 500 g Fresh Cow YMCP© in at least 20 litres of warm water and offer to drink shortly after birth
- Mix 500 g Fresh Cow YMCP© in 1 l warm water and enter via special Drinking bottle
- Drenching is possible.
- Note: The shorter the time interval to the birth, the better the acceptance.

How Fresh Cow YMCP® aids recovery



BENEFITS

- Encourages feed intake
- Reduces metabolic challenges
- Helps to improve milk production
- Increases milk fat and protein
- Cows reach peak milk faster

- Unique composition
- Calcium from four sources, live yeast, phosphorus, vitamin D_3 and E
- easy administration directly after calving via a feeding bucket or drencher

Fresh Cow YMCP®. Mineral Feed for Dairy Cows. Analytical Constituents: Calcium 12,00 %, Potassium 12,00 %, Sodium 2,50 %, Magnesium 5,00 %, Phosphorus 1,70 %. Composition: Potassium chloride, Calcium carbonate, Dextrose, Dicalcium phosphate, Magnesium oxide, Lithothamnium, dried whey, Sodium chloride, Lactose, Propylen glycol, Milk powder, Fructose, wheat bran, Aspergillus oryzae product rich in protein, Sodium bicarbonate, Carrot and hibiscus Concentrate. **Additives:** Vitamins und Provitamins: 3a672a Vitamin A 360000 IE/kg, 3a700 Vitamin E 1000 mg/kg, 3a671 Vitamin D_3 160000 IE/kg, 3a314 Niacin 6000 mg/kg. Trace elements: 3b607 Zinc chelat of Glycin hydrate 100 mg/kg. Microorganisms: E1711 Saccharomyces cereivisiae CNCM I-1077 4,6 × 10^{10} CFU/kg

YMCP Vitall® Bolus

BECAUSE FRESH COW RECOVERY
REQUIRES MORE THAN JUST CALCIUM

Composition

- Analytical Constituents: Calcium 20,00 %, Sodium 0,30 %, Phosphorus 0,20 %, Magnesium 0,50 %, Potassium 2,30 %
- Composition: Calcium chloride, Sorbitol, Calcium carbonate, Potassium chloride, Magnesium sulfate anhydrous, Magnesium stearate
- Additives: Vitamins and Provitamins: 3a314 Niacin 13.000 mg/kg, 3a700 Vitamin E / all rac-alpha-Tocopherylacetat 195 mg/kg
- Trace elements: 3b605 Zinc sulfate monohydrate 110 mg/kg
- Microorganisms: E1711 Saccharomyces cerevisiae CNCM I-1077 $1,4 \times 10^{11}$ CFU/kg.

What makes YMCP Vitall® Bolus so special?

- YMCP Vitall® is the only pressed bolus on the market containing live yeast and calcium
- YMCP Vitall® also provides potassium, magnesium, betaine, zinc, vitamin E und selenium
- YMCP Vitall® can help to support immunity in certain illnesses
- YMCP Vitall® represents an innovative extension of the YMCP brand – veterinarians around the world respect and trust it – and ensures the proven effectiveness of YMCP in a comfortable bolus

Instruction for use

Give two boluses of YMCP Vitall® immediately after calving. Another two boluses may be given 12 to 24 hours later. Boluses are given to a cow using the YMCP Vitall® applicator. Access to fresh, clean water at all times is recommended. Do not use the bolus if it is broken.

Magnesium
is required to metabolize calcium

Calcium
is utilized for colostrum and milk production

Potassium
responsible for proper cellular fluid balance

Niacin
improves liver function to stimulate appetite

Osmolyte
supports cellular health

Live Yeast
helps condition the rumen, encouraging feed intake

YMCP Vitall® bolus by TechMix

- Unique effervescent bolus
- Made with live yeast using patented technology
- Appropriate nutrient and energy supply

YMCP Vitall® Bolus: Mineral feed for Dairy Cows. Analytical Constituents: Calcium 20,00%, Sodium 0,30%, Phosphorus 0,20%, Magnesium 0,50%, Potassium 2,30%. **Composition:** Calcium chloride, Sorbitol, Calcium carbonatw, Potassium chloride, Magnesium sulfate anhydrous, Magnesium stearate. **Additives:** Vitamins and Provitamins: 3a314 Niacin 13.000 mg/kg, 3a700 Vitamin E / all rac-alpha-Tocophery-lacetate 195 mg/kg. Trace elements: 3b605 Zinc sulfate monohydrate 110 mg/kg. Microorganisms: E1711 Saccharomyces cerevisiae CNCM I-1077 $1,4 \times 10^{11}$ CFU/kg.

RYCaps®

STIMULATING. REGULATORY. PROBIOTIC.

Key components in RYCaps®

1. Special live yeasts (Saccharomyces cerevisiae)

RYCaps® contains the rumen-specific yeast strain CNCM I-1077 (Levucell® SC). These living yeast cells are available as dry yeast products with a comparatively very high fermentation activity.
(L. Dussert, Lecture TechMix Conf., Barcelona, 2013)

- Stabilization and support of the physiological microflora in the rumen
- Preservation of the natural rumen environment

2. Fermentation products of Aspergillus oryzae

These fermentation products promote the activity of cellulose-breaking bacteria. Plant based structural substances that are difficult to digest are broken down better and are available for energy generation.

- The energy content of basic feed is better utilized.

3. Niacin

Nicotinamide (Niacin) is involved in numerous metabolic reactions of the animal organism. A high niacin content (6 grams/capsule RYCaps®) supports the intermediate metabolism (NAD, NADP) and thus stabilizes the overall condition

- More balanced net energy balance.

Instruction for use

- Daily administration of one capsule for 2 to 3 consecutive days after calving (Milk gots/milk sheep 5 g) or to support dry matter intake.
- Easy to administer with the special bolus dispenser

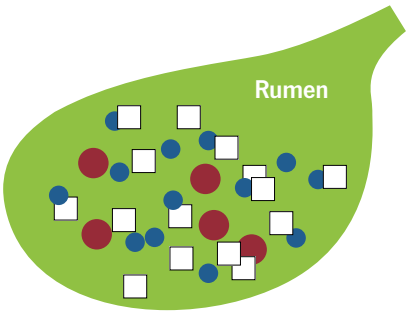
The problem: loss of appetite and insufficient feed intake

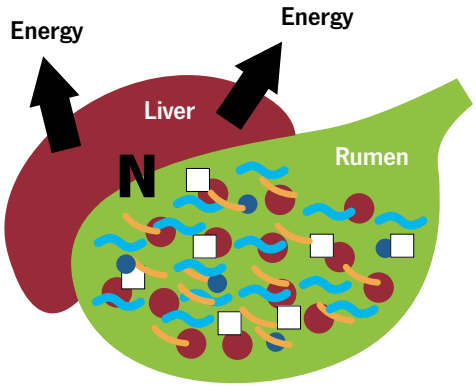
Before:

- Few lactic acid consumers
- Abundance of lactic acid
- High O_2-level
- Lower rumen pH
- Lower DMI (Dry Mass Intake)

After:

- DFM supports lactic acid consumers
- Reduced lactic acid
- Yeast scavanges O_2 resulting in anaerobic environment
- Niacin aids energy release
- Higher rumen pH
- Higher DMI (Dry Mass Intake)





Lactic acid

Lactic acid consumers

O_2

Rumen Yeast Caps:

Yeast

DFM (direct fed microbials)

N Niacin

(R. Garcia: Timed Event Nutrition. The Right Nutrition at the Right Time to Enhance the Genetic Potential of our Animals. Lecture, 2015)

- Unique Composition
- For all ruminants to stimulate feed intake, to maintain a healthy rumen flora and better raw fiber digestion
- Simple and safe application of the capsules using the applicator

RYCaps®: Complementary feed for Dairy Cows, Dairy Goats and Dairy Sheep. Analytical Constituents: Crude protein 10,00%, crude fats 10,00%, crude fibre 2,65%, Crude ash 14,00%, Sodium 0,30%, Calcium 6,00%. **Composition:** Calcium carbonat, Maltodextrin, barley flour, pea flour. **Additives:** Vitamins und Provitamins: 3a700 Vitamin E/all rac-alpha-Tocopherylacetate 1475 mg/kg, 3a314 Niacin 300000 mg/kg. Microorganisms: E1711 Saccharomyces cerevisiae CNMC I-1077 $1,5 \times 10^{12}$ CFU/kg, 4b1711, Digestibility promoters: 4a2 Fermentation products of Aspergillus oryzae NRPL.458.200 g/kg

Calf Renova®

FOR CALVES. FAST AND SECURE.

In focus: Healthy calves

In the first few weeks of life diarrhea is still one of the diseases causing the most losses in calves. In most cases the causes are of an infectious nature (rota and coronaviruses, cryptosporidia, enterotoxic E.coli). In addition, alimentary causes also play an important role (feeding errors).

During periods when calves are particularly susceptible to scouring or at first signs of diarrhea helping them return to the normal level of feed intake and growth has top priority, because successful calf rearing is the basis for both high-yield milk production and high fattening performance in the future as well.

With the natural ingredients of Calf Renova® capsules (e. g. plant extracts, naturally occurring microorganisms, fermentation products made from yeast), the calf receives a good basis for avoiding diarrhea.

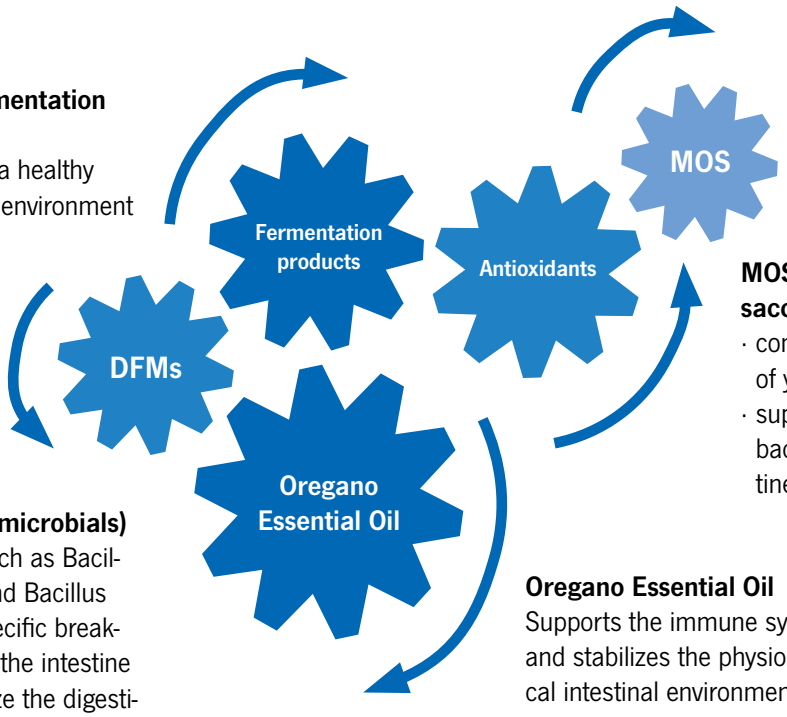
Instructions for use

- Calf Renova® is an easy-to-use capsule that can be administered using a practical applicator.
- Administer one capsule per calf from day 3 of age, at first signs of scouring/diarrhea or upon receipt of incoming calves. During periods of or after digestive problems, repeat if needed after 24 hours. In total, not more than 3 capsules should be administered.

What makes Calf Renova® so special?

It is the combination of special key components, including botanical extracts, naturally occurring microorganisms, and yeast fermentation products, that work together to support and stabilize the physiological digestive environment.

Yeast fermentation products
· promote a healthy digestive environment



MOS (Mannan Oligo-saccharids)
· come from the cell wall of yeast
· support the balance of the bacterial flora in the intes-tine

DFMs (direct fed microbials)
Microorganisms such as Bacil-lus licheniformis and Bacillus subtilis support specific break-down processes in the intestine and thereby stabilize the digesti-ve environment

Oregano Essential Oil
Supports the immune system and stabilizes the physiologi-cal intestinal environment

- Unique Composition
- Natural microorganisms, Yeast extracts und oregano essential oil
- User-friendly applicator

Calf Renova®: Complementary feed for calves. Analytical Constituents: Crude protein 7%, Crude fats & oils: 4,00%, Crude fibre 0,20%, Crude ash 35,00%, Sodium 0,20%, Calcium 10,50%. **Composition:** Yeast products, Maltodextrin, Clcium carbo-nate. **Additives:** Bowel Stabilizers: 4B 1700i, Bacillus subtilis (DSM 5750), Bacillus licheniformis (DSM 5749) 2.56 × 10^{11} CFU /kg

BlueLite® Replenish^{M}

THE START DECIDES.

Special qualities of Replenish

- contains acetate (81 mmol/l) as an alkalizing buffer substance
- Advantages of acetate in comparison with bicarbonate
  - Facilitates sodium and water absorption in the small intestine
  - Provides energy during metabolization (e. g. via the respiratory chain)
  - Causes no increase in the pH in the abomasum
  - Causes no idigestion of milk
- Contains glycine (1.4 mmol/l)
- Important functions of glycine:
  - Part of creatine metabolism (energy for muscle building)
  - Part of the Hb metabolism (oxygen transport in the blood)
  - Stimulates the immune system (defense against infection)
  - Improves the transport of nutrients from the intestine (height of the intestinal villi increased; potential protection against the so-called leaky gut syndrome)

Instructions for use

- Preferred method: 100 ml BlueLite® Replenish^{M} is added to 2 liters of preferably warm water between milk meals.
- 2. Variant: 50 ml BlueLite® Replenish^{M} are added to milk ratio twice a day (in the morning and in the evening).
- 3. Variant – Drench method: 100 ml BlueLite® Replenish^{M} mixed into 2 l warm water.
- Feeding duration: 3 (to 7) consecutive days

Why BlueLite® Replenish^{M}?

- Supports the regulation of the gastrointestinal environment
- Quick and easy administration
- Easily mixable with water and milk
- High palatibility
- Composition recommended by experts

PARAMETER	BLUELITE REPLENISH	RECOMMENDATION
Sodium (mmol/l)	90	90–130
Potassium (mmol/l)	27	10–30
Chloride (mmol/l)	57	40–80
SID-Value* (mmol/l)	60	60–80

* strong ion difference

Dr. Geof Smith, Prof. of Ruminant Medicine (North Carolina State University)

- Balance solution with electrolytes
- Energy and nutrient supply
- Easy administration via milk or water

BlueLite® Replenish^{M}: Complemetary feed for fattening and rearing calves. Analytical Constituents: moisture content 35,0%; Crude protein 3,5%; Crude fats & oils 0,05%; Crude fibre 0,02%, Crude ash 7,3%, Sodium 3,00%. **Composition:** Glucose syrup, Dextrose, Potassium chloride, cane sugar molasses, Sodium chloride

BlueLite C HydraTabs®

ORAL REHYDRATION: EASY TO USE – QUICK – PALATABLE

Do not take calf diarrhea lightly

The special challenge for calves in the first few weeks of life is that they are particularly sensitive to diarrhea and scours. Regardless of the cause and intensity of the diarrhea, quick action is required because calves with diarrhea lose more or less large amounts of fluids, electrolytes and buffer substances through the intestines.

Often an additional acid regulation and the supply of energy are necessary. For mild to moderate forms of diarrhea, oral rehydration can solve these problems.

With BlueLite C HydraTabs®, a balancing drink as a source of energy and electrolytes can easily be prepared to support the natural water balance and a healthy gastrointestinal environment.

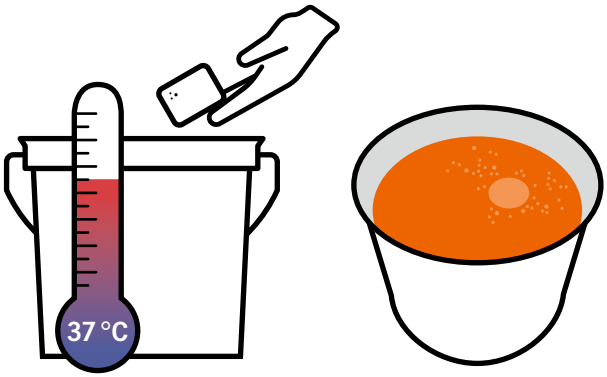
Which features of Bluelite C HydraTabs® should be emphasized?

FEATURE	BENEFIT
Effervescent	quickly soluble, no mixing required
Palatable	flavor designed for calves
Needs-based composition	no measuring necessary

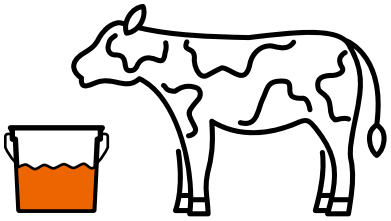
Direction for use

Please note!

The interval between milk and elektrolyte drinks should be around 2 hours.



- Dissolve 1 Tablet Bluelite C HydraTabs® in 1 liter of water at 37°C



- Provide 2–3 times daily as a drink between the milk meals
- Use mixed solution within 24 hours

- Effervescent tablets
- Quickly soluble
- Easy to use
- Palatable

BlueLite C HydraTabs®: Complementary feed for calves.
Analytical Constituents: Crude protein 6,5%; Öils und Fats 0,1%; Crude fiber 1,7%; Crude ash 24%; Sodium 6,5%. **Composition:** Lactose, Sodiumbicarbonate, Sodiumchloride, Potassiumchloride.

Equipment

Calf Renova®

Applicator

Fresh Cow YMCP®

Drench bottle

similar to illustration

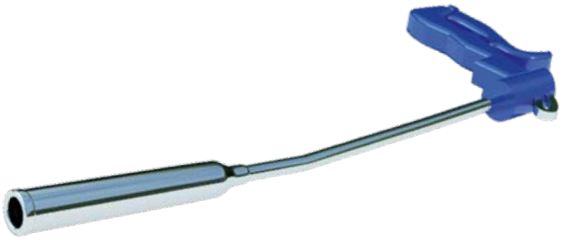
RYCaps®

Applicator

YMCP Vitall® Bolus

Plunger

V-Grip-Applicator



Prices

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