



## **CELMANAX: Stimulates the immune system, avoid health problems and keep your herd in a winning form.**

With CELMANAX your livestock will receive a full dose of Yeast cultures enriched with MOS (mannan-oligosaccharide) and beta-glucans which will help capture mycotoxins by reducing somatic cell counts, improving intestinal health and maximizing production for one cycle of smoother and more productive life.

### **The advantages of CELMANAX:**

CELMANAX brings many more benefits than single culture of yeast, MOS or glucans by offering numerous animal health and immunity benefits that can help improve performance and increase productivity.

#### **Calves**

- It stimulates the immune system in order to prevent diseases
- Helps calves by reducing the incidence, severity and duration of diarrhea
- Reduction of medical costs and mortality by tackling pathogens such as Salmonella and E. coli.

## Cows

- It improves breast health by increasing milk production and reducing the number of somatic cells
- Stops the aflatoxins found in milk
- Improves rumen fermentation and digestion for greater food efficiency
- It maintains the production and quality of milk constantly even at high temperatures and humidity

The revolutionary enzymatic hydrolysis process used for the production of CELMANAX leads to a greater availability of Functional Refined Carbohydrates:

- MOS help the growth of positive bacteria such as Lactobacillus and Bifdobacterium
- Mannose binds pathogenic bacteria such as E. coli and Salmonella
- Beta glucans help the immune system and capture mycotoxins
- Other RFCs prevent the attachment of some protozoa such as Eimeria and Cryptosporidiosis

The synergistic immune system effects of these Functional Refined Carbohydrates (RFC) help minimize health problems and enhance absorption for better growth.

### TIP 1

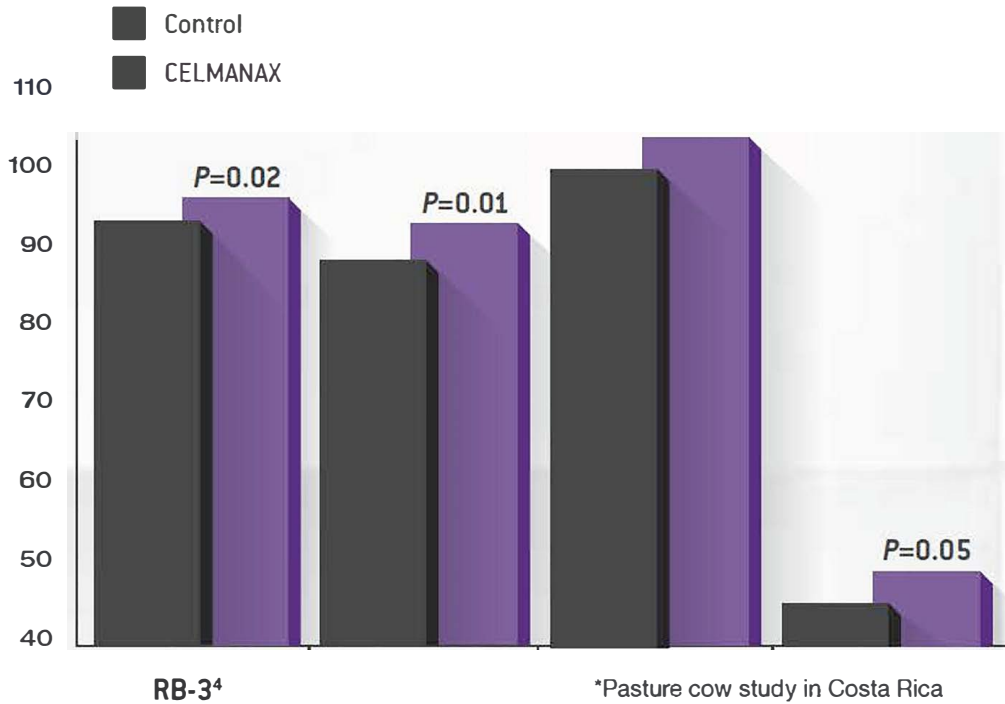
When the milk replacer and weaning feed are enriched with CELMANAX, a reduction in the incidence, severity and persistence of cryptosporidiosis has been demonstrated. Also noted was the reduction of infections in BRD.8. A healthy start leads to a weight gain of up to 3.5 kg with an improvement in the efficiency of the food.

### TIP 2

There are many unexpected events that can slow animals down the road to productivity. CELMANAX effectively manages the elimination of harmful mycotoxins, such as aflatoxins present in cow's milk.

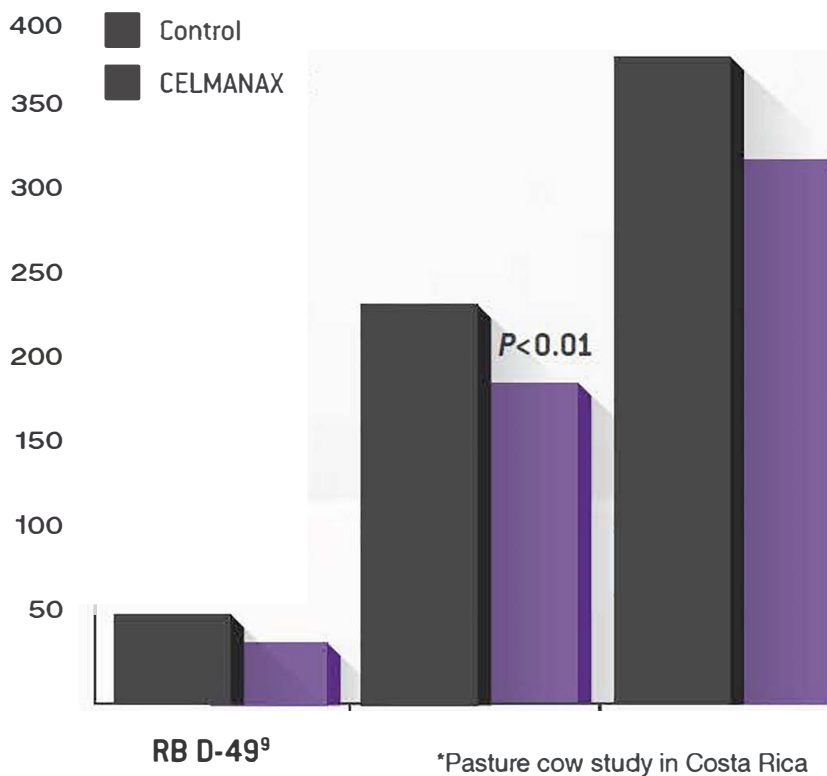
Research shows that cattle fed CELMANAX produce more milk per day than the control group.

### MILK PRODUCTION (LBS./DAY)



In three separate studies, cattle fed CELMANAX had lower somatic cell counts than the control group.

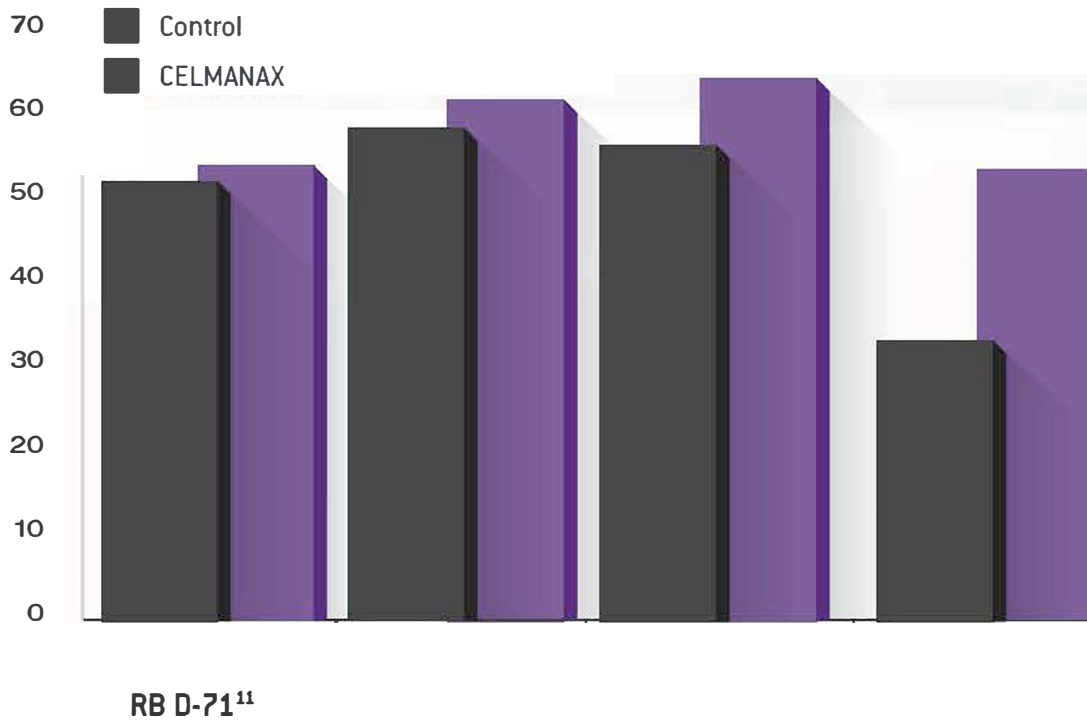
### SOMATIC CELL COUNTS (X 1,000 CELLS/ML)



**TIP 3**

Studies show that RFCs present in CELMANAX interact with pathogenic bacteria and mycotoxins, mitigating the effects of intestinal hemorrhagic syndrome (HBS).

**THE EFFECTS OF CELMANAX ON WEIGHT INCREASE (LBS.)**



**Winning with CELMANAX means a lot more than just increasing milk production. Successes are also seen in other stages of farming, including nutrition efficiency, improved health and growth of calves and heifers.**

## The ways CELMANAX saves you time and money, and increases revenue and profits:

Reduces the convalescence of cows in the infirmary enclosure

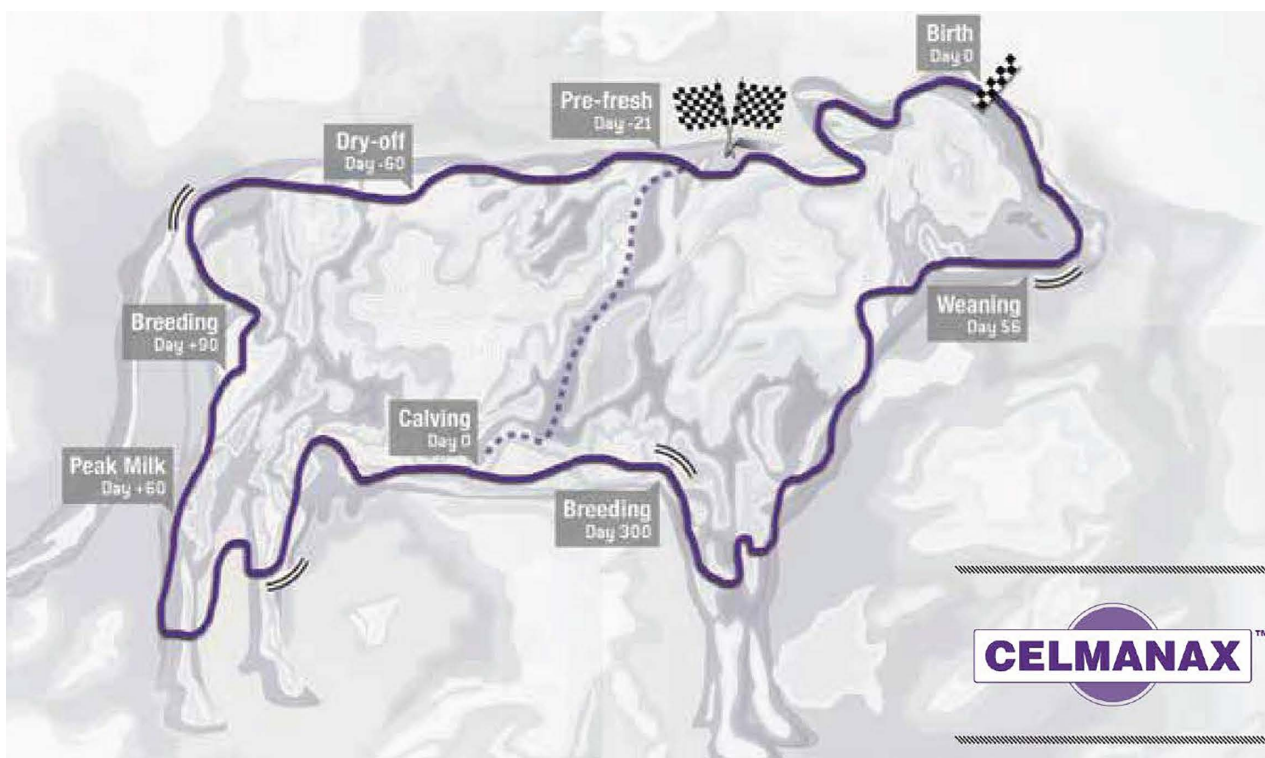
It reduces the hospitalization time and the risk of the aggravation of Cryptosporidiosis and Coccidiosis

You save on treatment costs

Reduces the suffering, treatment duration and management of diseased animals and minimizes the risk and harm of mastitis

Reduces the negative effects caused by mycotoxins

Increases efficiency in milk production





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