



**Prepare the
immune system.**



#ScienceHearted

We're #ScienceHearted and we're here for you.

We're a breed of our own. The ever-curious, science obsessed. Farm kids turned nutritional innovators and microbial pioneers unlocking the power of nature to create solutions that aid health, productivity for you and your animals, and worldwide food security.

Sustain immune system regulation.

With CELMANAX™ your cows get the benefits of multiple feed additives in one consistently high-quality formula.

What are RFCs?

CELMANAX yields highly bioavailable Refined Functional Carbohydrates™ (RFC™):

- **Mannan-oligosaccharides**—short sugar units of mannose
- **Mannose**—a monosaccharide
- **Beta glucans**—sugar units from the yeast cell wall

Our proprietary enzymatic process breaks these down into small bioavailable units.

Why do RFCs matter?

They help animals cope with challenges arising from their environment.

The proof is in the research.

On two dairy sites CELMANAX reduced carryover of aflatoxins in milk.³

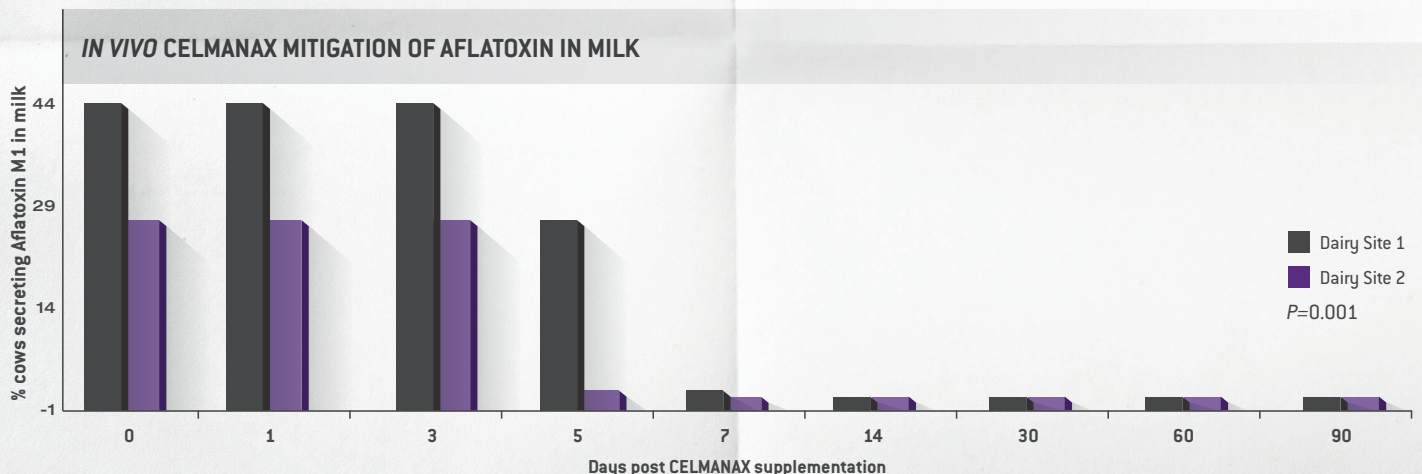
The CELMANAX advantage:

- 1 Helps prepare the immune system ahead of a challenge so animals can respond quickly^{1,2}
- 2 Supports optimal rumen fermentation and digestion
- 3 Maintains consistent milk production and quality even when heat and humidity rise
- 4 Delivers a recommended dose of A-MAX™ Yeast Culture plus highly bioavailable RFCs

TIP

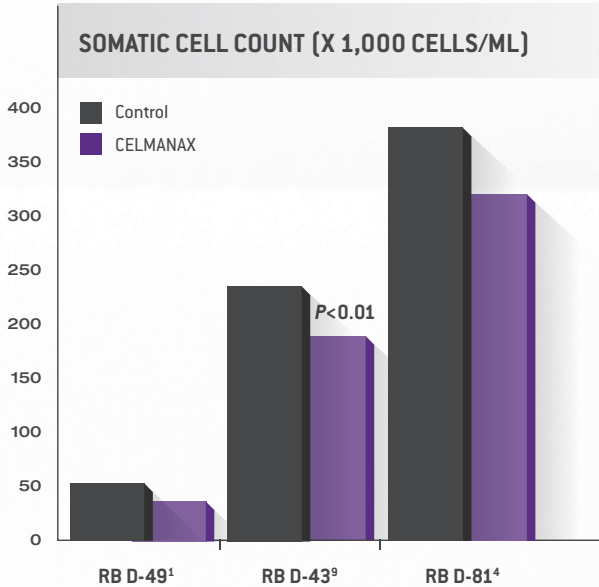
Get a fast, healthier start.

When your milk replacers and starter feeds are powered by CELMANAX, reduced incidence,⁵ severity⁶ and duration of cryptosporidiosis⁵ has been reported. Additionally, reduced incidence⁵ of BRD infections have also been seen.⁷ The healthy start leads to increased weight gain by up to 8 lbs. while improving feed efficiency.⁸



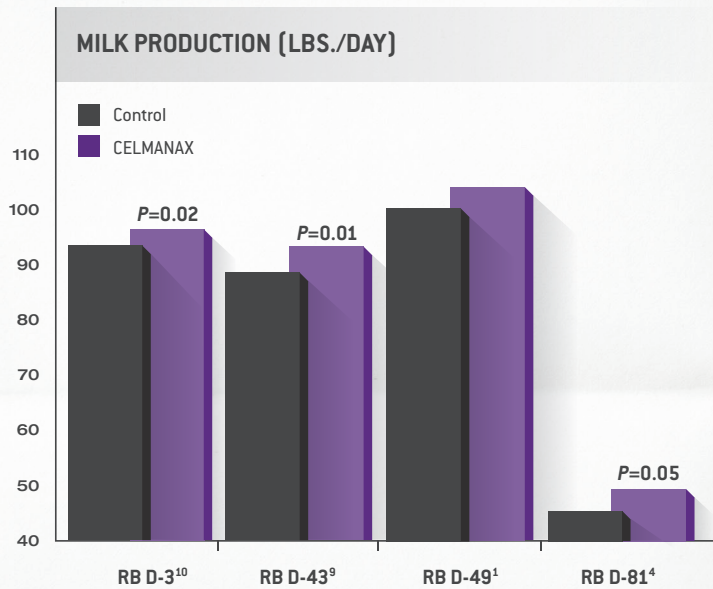
Supporting udder health.

In three separate studies, cattle fed CELMANAX had numerically lower somatic cell counts than the control groups.^{1,4,9}

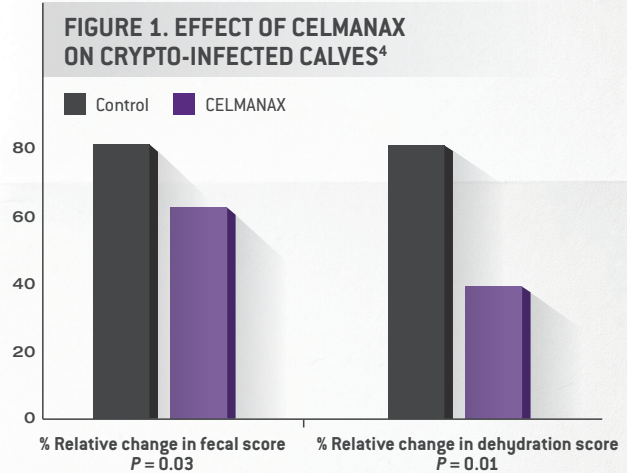


Milk production payoff.

In four trials shown below, cows fed CELMANAX produced more milk per day than the control group.^{1,4,9-11}



In one trial, CELMANAX was shown to reduce incidence,³ severity⁴ and duration of cryptosporidiosis³ in calves.



CELMANAX was shown to bind pathogens such as *E. coli* and *Salmonella enterica*.

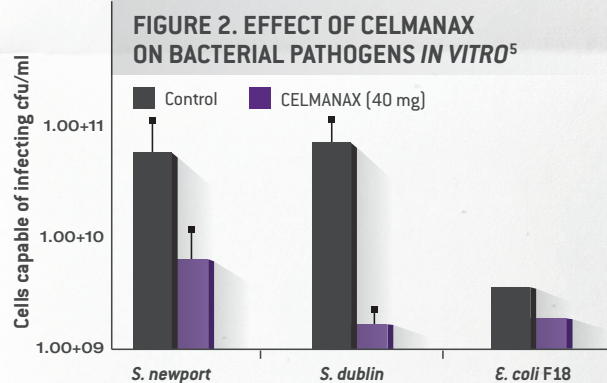
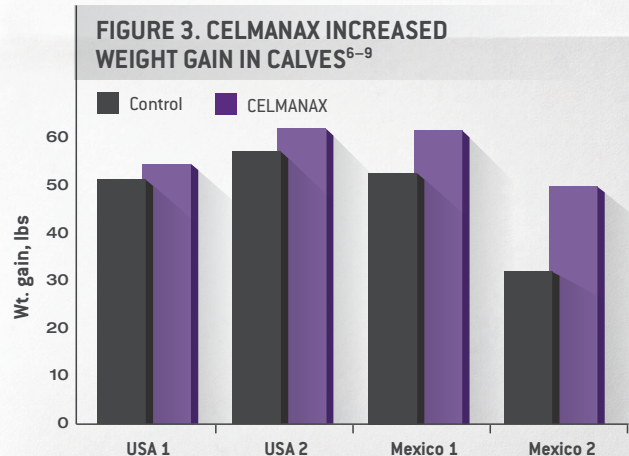


FIG. 3. Calves fed CELMANAX increased weight gain when compared to the control in four different trials.



Minimum recommended feeding rates.*

	GRAMS/HEAD/DAY					OUNCES/HEAD/DAY				
	Dry & Transition Cow	Lactating Cow	Milk Replacer	Calf Starter	Heifer	Dry & Transition Cow	Lactating Cow	Milk Replacer	Calf Starter	Heifer
CELMANAX™	56	28		7	14	2.0	1.0		0.25	0.5
CELMANAX SCP	6	3	1	1	2	0.2	0.1	0.04	0.04	0.07
CELMANAX Liquid	28	14	8	8	10	1	0.5	0.3	0.3	0.3

*Consult your nutritionist for your optimum feeding rates.



We're your global to local animal and food production team.

We use scientific research to unlock the power of nature to create products that focus on you, your animals and worldwide food security. To learn more about CELMANAX contact your nutritionist, veterinarian or ARM & HAMMER™ representative or visit AHanimalnutrition.com.

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