



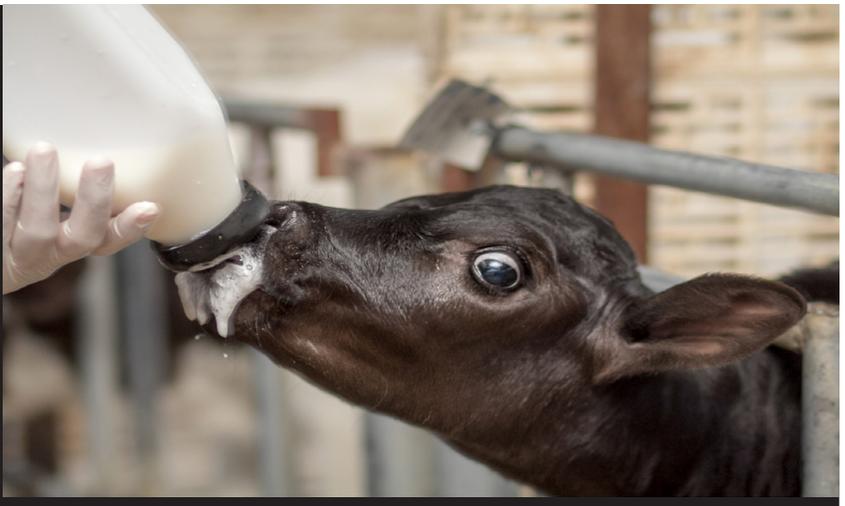
MILL MATTERS

· COMMITTED TO OUR CUSTOMERS' SUCCESS ·

December 2018

16322 West Washington Street, Valders, WI 54245 · 361 County Road U, Wrightstown, WI 54180
P: 920-775-9600 · cpfeeds@cpfeeds.com · www.cpfeeds.com

GIVE CALVES
A
“HEALTHY EDGE”



Picture a three-legged stool. All three legs play an equal role in keep the stool upright and steady. If one leg breaks, the stool topples, and is unable to bear weight.

Every calf we raise is perched on a stool, as well. Her health is a balance between the:

- Environment (bedding, sanitation, ventilation, transportation)
- Host (age, nutrition, genetics, stress)
- Agent (strength of the bacterial or viral threat)

A calf’s gut health is critically important as they face and fight challenges in these three areas. Eighty percent of a calf’s immune function occurs at the gut level. Land O’ Lakes has risen to the challenge to help the calf develop and maintain a balanced microbiome or healthy gut.

The microbiome is the environment that houses microorganisms, including bacteria, fungi and viruses. There are close to 13 trillion organisms in a healthy calf microbiome. The good bacteria in active microbials help to balance the gut microbiome.

In November, Land O’Lakes Cow’s Match and Amplifier Max were enhanced to include active microbials. The term active microbials, probiotics and direct-fed microbials are used interchangeably and refer to live microorganisms, or good bacteria.

The microbials were developed specifically for use in calf milk replacers and are backed by three years of calf specific research at the Land O’Lakes Calf Milk Research Center.

In addition to these two enhanced milk replacers, Land O’Lakes has also developed Healthy Edge, a milk replacer for high-stress situations, and Calf Insure, a probiotic additive to help support gut health and diversity.

These four gut-supporting products help calves better handle stress, and respond to health challenges. That, in turn, allows her to put more energy towards growth while still supporting the immune system. We also know that healthier calves require fewer treatments. According to research from Cornell University, every time a calf needs an antibiotic to treat a scours or pneumonia event, it costs 1,086 pounds of milk in the

first lactation.

The “calf-specific” active microbials that were added were designed with the calf and calf-raiser in mind. These active microbials were:

- Included directly in the milk replacer to save time and labor in the mixing process
- Combined with the existing technologies already in the calf milk replacers
- Developed specifically for use in milk replacers and dissolve in water for consistent levels of probiotics at every feeding

In a trial at the research farm, three groups of calves were fed Cow’s Match WarmFront Protein Blend. All groups of calves were fed 2.5 pounds of milk replacer per day through weaning at 7 weeks

The control calves were fed the standard milk replacer with no added microbial. Calves in the first treatment groups were fed Cow’s Match with a 1x dose of the LOL Bacillus microbial. Calves in the second treatment group were fed a 1x dose of the bacillus, along with 14 grams of Calf Insure per day. The Calf Insure was fed at that rate for 21 days and then was removed from the program.

Over seven weeks, control calves gained 70.6 pounds. Calves on the first treatment gained an additional 5 pounds (75.4) compared to control calves. Finally, calves that were fed the 1x dose of bacillus along with Calf Insure (treatment two) gained 12 pounds more than the control calves (82.9)

Through their research, they also found that the enhanced milk replacers continued to support the diversity of microbes within the calf’s microbiome even after weaning. At 21 days calves fed the enhanced products showed an increase in the diversity of the microbiome that would be typical of a more mature calf. The microbial population was evaluated again 90 days later, and the impact had lasted beyond weaning, even though the active microbials were only fed preweaning.

Get your calves off to a great start in the New Year. Contact your CP Feeds’ nutritionist to find the best solution for your calf program.

Create a winning culture on your dairy

Steve Jones recently completed his eighth season as head football coach for Kimberly High School. During this time, the Papermakers have compiled a 100-6 record. Jones is a leadership coach and consultant who has helped transform influential leaders and successful cultures. He challenges individuals to intentionally create and grow a “winning” culture by developing leaders within an organization.

At the Wisconsin Holstein Convention, Jones will speak on “Developing Leaders Who Create a Winning Culture.”

The importance and power of connection, mindset, and servant leadership are specific topics that will be covered.

If you’re interested in attending the banquet and presentation, please send a check for the meal (\$18/person) to CP Feeds, c/o Brenda Meyer.



Join us at the Wisconsin Holstein Convention!
Friday, February 22, 2019 at 6 p.m.
Holiday Inn - 4601 Calumet Ave, Manitowoc



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HOLIDAY HOURS...



CP FEEDS WILL BE CLOSED:

- **MONDAY, DECEMBER 31, 2018 (NEW YEAR’S EVE DAY)**
- **TUESDAY, JANUARY 1, 2019 (NEW YEAR’S DAY)**



WE WILL RESUME REGULAR BUSINESS HOURS JANUARY 2ND.

WE ARE ALSO OPEN FROM 8 A.M. TO 12 P.M. SATURDAY, DECEMBER 29, 2018.

WE WISH YOU AND YOUR FAMILY A MERRY CHRISTMAS.