



MILL MATTERS

· COMMITTED TO OUR CUSTOMERS' SUCCESS ·

February 2019

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ESSENTIAL OILS... BENEFITS BEYOND YOUR SPICE RACK?

BY BOB KRENTZ



“No, I’ve never tried that.”

As we look for new and innovative ways to raise animals (as well as ourselves) to live longer, healthier lives with less stress and antibiotics, new plant-based technologies are emerging.

From pain relief to improved skin health, the cannabis industry has found multiple uses for its CBD (cannabidiol) oil in the human population. Meanwhile, other plant extracts are showing promise in animal agriculture.

Essential oils are naturally occurring, volatile (easily evaporated at normal temperatures) compounds from plants. These compounds are responsible for giving plants and spices their characteristic aroma and color. Essential oils lack the lipid, or fat, content required to meet the traditional definition of an oil. Instead, they are made up of highly complex volatile compounds that consist of 20 to 60 different components in various concentrations. Essential oils can be extracted from many parts of a plant, including the leaves, flowers, stem, seeds, roots and bark.

While I like a little spice, and some added flavor, in my food from time to time, I have never given much thought to the possibility of adding extracts of thyme, rosemary and cinnamon to animal feed. Research which highlights the beneficial effects essential oils and botanicals from certain plants and herbs can have on an animal’s immune system is beginning to emerge. These oils have also been shown to enhance animals’ feed intake and may even replace antibiotics in fighting against bacterial infections, with no VFD (Veterinary Feed Directive) required, down the road.

Studies have shown that certain essential oils may also have anti-fungal and antiviral properties as well. It is also well documented that while we have always focused on feeding appropriate levels

of Vitamin E or selenium in times of stress, rosemary and grape extracts will give us similar antioxidant properties in the animal.

The trend of using natural alternatives is growing in response to an increased awareness of issues such as antibiotic resistance, drug residues, and overall environmental impact. As margins continue to tighten, new ideas that can safely help you raise healthier animals with lower input costs need to be on your radar.

While these natural alternatives have been used in animal feeds for a few years now, companies are finding out more about how they work and when best to use them. These plants, when harvested at the correct stage of maturity, from specific parts of the world, and sometimes the correct elevation, can provide specific health and performance benefits.

At CP Feeds, we currently have a botanical palatant, or intake enhancing flavoring agent, incorporated into our Cows’ Match and Amp-Max calf milk replacers. The same flavoring agent is also incorporated into the Ampli-Calf grains as well, to maintain a similar flavoring as calves transition from a milk-based to grain-based diet. The palatant is a plant-based feed additive that consists of a mixture of essential oils, herbs, spices, extracts and natural flavors that has been proven to significantly increase weight gains and increase both milk replacer and starter intake in research trials. The botanical compound also has a positive impact on gut health and feed to gain ratio. That, in turn, leads to an improvement in calf health and growth.

Keep an eye out. In the years to come, we may see even more uses for these plant compounds than sitting on your spice rack.

To learn more how the essential oils in milk replacer and grain can benefit your calves, contact a CP Feeds representative today.

Create a winning culture on your dairy

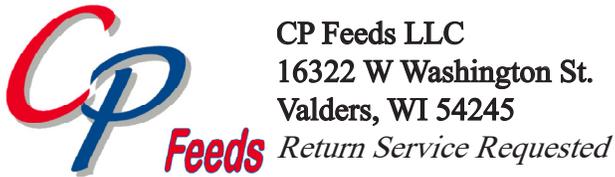
Steve Jones recently completed his eighth season as head football coach for Kimberly High School. During this time, the Papermakers have compiled a 100-6 record. Jones is a leadership coach and consultant who has helped transform influential leaders and successful cultures. He challenges individuals 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. If you would like to attend only the presentation, it will begin at 7:30.



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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PDPW ANNUAL BUSINESS CONFERENCE

MARCH 13 and 14, 2019

ALLIANT ENERGY CENTER, MADISON, WI

CP Feeds is offering a 50% registration discount for any customer wishing to attend PDPW’s annual conference. To take advantage of this discount, you must register through CP Feeds. You will be invoiced after the conference.

For PDPW members and their farm’s employees, the cost is \$150 to attend the two-day conference. Non-members can attend for \$212.50. There is also a one-day option. The cost is \$100 for PDPW members and \$162.50 for non-members.

If you need hotel accommodations, CP Feeds does have a limited number of rooms reserved at the Sheraton.

For more information or to book a room, please contact your CP Feeds’ nutritionist or call the office at 920-775-9600.

