

PACIFIC MOO BIZ



Cadman M-Series Reels



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MUELLER MILK TANKS

Paul Mueller, the originator of Paul Mueller Company, just passed away in January at 92 years of age. Based out of Missouri, his company has been thru many ups and downs to get where it is today.

Today the Mueller 6700 gallon milk tank is the most popular large size tank since it fits most states in the US, for truck tanker size. The new Hi Perform III is also being released as we speak and is available with an interface for robots. The E star units are now digital. They can unload down from 5 HP to 2 HP. Mueller also now offers a small milk chiller (10HP) that includes a compressor and a plate cooler at approximately \$30,000. Believe it or not, there are large farms that will use up to 240 HP to cool milk. Remember your cooling compressors are the hardest working tractors on your yard.

MILK FROTHER

On my wife's birthday, my daughters gave Diane a Nespresso Aeroccino Automatic Milk Frother. Wow, what a great little, affordable, simple machine. Get more people to buy these and milk utilization of good quality milk will go up. The Aeroccino will automatically heat your milk to the proper temperature, plus produce frothed milk in under 60 seconds for coffee. It is simple to use, just press the button once for hot milk or hold the button for two seconds for cold milk. It has two easy attachments for more or less frothing. Choose the amount of foam you want and or put hot milk in your coffee to keep your coffee hot. With stainless on the outside and Teflon on the inside, it is easy to maintain!

www.nespresso.com

GREEN BEDDING

What is green bedding? It is a plant cell wall that is made up of three components: lignin, hemicelluloses and cellulose. Of these, hemicelluloses is the most digestible, followed by cellulose, with lignin being almost indigestible by ruminants. This is the undigested fibre that passes thru the cow. Green bedding is the recycling of those cows' undigested fibers, separated from the liquid

manure and reused as bedding. This process is always most successful when done within a 24 hr. period. The green has nothing to do with the color or the environmental viewpoint. It refers to the fiber which has not been thru a pathogen kill process (compost or anaerobic digestion) after the separation treatment. The good characteristics of quality green bedding are:

- long fibers
- fluffy in pile
- good cushioning
- good dry matter (32-36%)
- low bacterial count
- fresh smelling
- 2 to 3 x's per week skiff spreading

FOOD SAFE

The World Health Organization (WHO) is planning to release it's long awaited research on the global burden of food borne diseases in 2015. Ongoing data from the US Centers of Disease Control (CDC) already paint a stark picture. One out of every 6 people in the US suffers from food borne illness every year. Within that group, 128,000 people are hospitalized and 3000 die. We are all in the Food business. Headline grabbing pathogens that can contaminate the food supply are meeting their match, thanks to technology advancements impacting both food producers and consumers. Reducing those numbers is the goal of an army of food safety researchers worldwide, including farmers.

from Fruit and Vegetable Magazine

RUHR AREA

The Ruhr Area of Germany is the industrial and agricultural heartland of Germany. With emphasis on coal and steel, this area has become renowned worldwide. People like Krupp, who invented Stainless Steel and many other inventions, came from this area. This area has become a world leader in many areas of agriculture due to quality steel, ingenuity and productive land. GEA Westfalia is from this area, so is Claas, John Deere subsidiaries, Krone and Vogelsang. At one time, there were over 300 coal mines in this area. Another segment where dairy has been influenced by the Ruhr area is a large multi national company by the name of Bayer.

MORE MEAT

Euromonitor International says global meat consumption increased by three per cent last year to 335 Billion tonnes.

Apparently increased prosperity and rising populations are key drivers for meat consumption in emerging countries. Case in point is the fact that India's disposable income has increased by 95% so that its meat consumption has increased by almost 50%. Even though one third of India's population is vegetarian, the meat increase is the greatest in the world. Meat demand declined in developed markets by 1% in The Netherlands, Greece, Germany and the U.S. In developed markets, poultry wins shares of consumer's stomachs at the expense of red meat, due to reputation in regards to health concerns.

from Ontario Farmer

COOL-FX (ROOF COATING)

Cool FX is a specifically developed water based coating that can be applied to galvanized barn roofs to reduce the temperature in dairy barns. In many cases it will lower temperatures in barns by 3 to 4 degrees from outside temperatures. Cows looking and crowding for cool areas will be less. You can easily learn more about this new cooling tool by phoning 604-316-0863 or by emailing info@selectsales.ca Many barns have been done yearly in the Valley.

NORMAN'S NATURALS

Norman's Naturals Dog Food is a great dog food product made by Bio-Ag which has 32 years of experience in natural, drug-free animal nutrition. So why is it so good?

- Dogs love it instantly.
- It has Atlantic Kelp (source of trace minerals).
- No corn, soy or wheat.
- Balanced for all ages of dogs.
- Promotes immune system
- Good in digestion.
- Vet approved.
- Low in sodium.
- No artificial flavors.
- No preservatives.
- Made in Canada.

www.bia-ag.com

www.normansnaturals.com

Now available thru Pacific Dairy's route system.

HOOFREET 365 PLUS PROGRAM

A New Scientific Approach to Digital Dermatitis in Cattle

Many hoof bathing products have been formulated with a poor understanding of where and what the infectious agent in an outbreak of Digital Dermatitis is, and where it may be resident.

Treponemes are the likely primary infectious agent in Digital Dermatitis and they are transmitted from a reservoir, either on the farm or in the cows, to foot tissue.

While the reservoir for these organisms has not yet been identified with 100% certainty, the immunohistochemistry clearly indicates that the treponemes may be entering (and may be exiting) via the hair follicles and/or sebaceous glands on the cows' feet. In recent research (2009), Evans and Evans et al, said "This data highlight the extent to which this disease is polytreponemal. Immunohistochemistry and electron microscopy were used to investigate lesional hoof tissues, resulting in treponemes being identified copiously in hair follicles and sebaceous glands, suggesting a potential route of exit and/or entry for these pathogens."

Simply put, it suggests that the shaft from which the hairs on the feet project and the oil secreting tissue at the base of this shaft that are the likely route of exit and entry for the infectious agents in Digital Dermatitis, with the oil secreting tissue act as a safe reservoir for them. This would explain how treponema are able to breach such a hard physical barrier and tough tissue to establish infection in deep-lying tissue. This helps explain why highly corrosive agents, which burn off the top layers of the hoof, may have some effects on outbreaks, that is, until the cow builds scar tissue which prevents penetration of such agents and acts to further protect the infectious agent.

Traditional water based hoof bath products formulated to disinfect the surface of the hoof are likely to have little effect on an infectious agent deep below the surface and protected by oily tissue (the situation is akin to the way water is repelled when it rains on a waxed jacket). Furthermore their action in killing the infectious agent will unlikely last longer than a few minutes outside of the bath. Fresh infectious material will be continually being emitted from the hair shaft to infect other hooves and cows.

Why is Hoofreet 365 PLUS different?

Hoofreet 365 PLUS is designed with the described mechanism in mind. Unusually, the active biocide is also an oil loving surfactant, so it is free to travel along the oily hair shaft. Powerful penetrating enhancers have been incorporated which push the actives into the tissue, providing transdermal delivery. A polymer coating system clings and adheres the material to the hoof long after the cow has left the bath. Hoofreet 365 PLUS is unique in containing long chain polymer technology.

We recommend using Hoofreet 365 PLUS at a 2% mixture 5 consecutive days per week for 8 weeks and then changing over to Hoofreet 365 at a 1% mixture for 2 to 4 weeks using the same protocol, alternating with the Hoofreet 365 PLUS regularly at 1% from then on. Hoofreet 365 has very different chemistry in that it is an organic acid bathing product with high surfactancy which will exfoliate the hooves. Using two very different chemistries will help prevent resistance to the treatment regime.

The use of alternative treatments in conjunction with this program have proven to be counter-productive.

Call Phil Aldridge at Integrated Bio for more details at 604 852 9001

Please join us in welcoming three of our new employees!



**Cole is working with our automated systems,
Clayton is assisting in our manure division and Dain is in our parts dept.
They are all experienced in their fields and a great addition to our PDC Family!**