Dairy News

April 2014

www.dairylandvet.net

Would you drink from a calf bottle?

Take a close look on how you clean your calf feeding equipment. Would you drink milk from it? You would if it was cleaned the way you clean your pipeline. That is exactly the way it should be cleaned and sanitized, using the same cleaners and procedure. Let's go through the whats and whys of this.

What #1- Start by rinsing your calf feeding equipment off with warm, not hot water.

Why- The water removes the majority of milk at a temperature that won't denature the proteins and make them harder to remove.

What #2- Then wash it with a chlorinated alkaline cleaner (the same you use on your pipeline). It must be hot (135-140 degrees) and have a pH of 11-12. If you don't have to wear rubber gloves, it probably isn't hot enough.

Why- The heat and detergent dissolves the fats and saponifies them (turns them to soap).

What #3- Then rinse it off and put it in an acid rinse (again the same you use on your pipeline). The acid rinse should be warm water with a pH of 3-4.

Why- The alkaline rinse will leave a mineral deposit. The acid dissolves the minerals and put an antibacterial film on the equipment.

What #4- After that, hang the equipment up and allow it to dry.

Why- The drying makes a huge difference in killing any organism on the equipment.

What #5- Right before you use it again, sanitize it. We recommend using OxyMer (chlorine dioxide) because it will penetrate biofilm and kill cryptosporidia.

Why- Bacterial populations will increase on the surface between uses. Chlorine dioxide is a safe, quick, and highly effective sanitizer.

Quote of the month:

"Agriculture is our wisest pursuit because it will in the end contribute most to real wealth, good morals, and happiness."

-Letter from Thomas Jefferson to George Washington (1787)

Check out our new and improved online catalog @ www.dairylandvet.net
User-friendly, easy access, monthly special listed, and many other features!
Call for online password to access.
Mobile – friendly can access with your smart phone.

Dairyland Veterinary Service
Casco, WI

DVS DAIRYLAND VETERINARY SERVICE
Wise Choices. Healthy Animals.

Phone: (920-837-7766
Email: dvs@centurytel.net

Would you drink from a calf bottle continued….

If you have questions about your cleaning and sanitizing procedure, ask one of us to look at what you are doing and see if there needs to be any improvements. We can help you make a SSOP (sanitation standard operating procedure) manual. We also have an ATP meter to check whether a surface is clean. The ATP meter can determine if plastics are worn and can no longer be properly cleaned and it can check the inside of hoses to determine if a biofilm has formed.

Also, by routinely collecting samples of milk or colostrum right before feeding, we can count the bacteria colonies to determine if they meet the safe guidelines. These samples should be refrigerated if they will be tested the same day or frozen if they will be tested later.

Drink up.

Dr. Bill Koffman

ATP Meter

Producer meeting at Casco Village Hall

On March 20th Dr. Donald Socket (UW-Madison Veterinary Diagnostics Lab) and Rich O'Reskie (Oxxion) discussed how to properly clean sanitize calf feeding equipment and how to use chlorine dioxide as a sanitizer on dairy farms.
The advantage of foamers versus pressure washers and the problem of penetrating biofilms were also explained. Chlorine dioxide was described as safer and more effective as a sanitizer than many of the products currently being used because of its unique chemistry.
The meeting was sponsored by Dairyland Veterinary Service.

Dr. Socket and Rick O'Reskie

Dairyland Veterinary Service has purchased an ATP meter and our ready to do sanitation audits and have Chlorine Dioxide available for purchase.