

Brown Dairy Equipment Company

2153 North Van Dyke • Bad Axe, MI 48413

Toll Free: 800-373-2153 989-269-7081 Fax: 989-269-1953

McBain Office: 231-825-4144 Fax: 231-825-8188

Portland Office: 866-464-6455 Fax: 616-522-1461

Web Site: www.browndairyequip.com

April
2015

THE NEWSLETTER FOR DAIRY FARM ESTABLISHMENTS

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Brown Dairy Scholarship Program

Brown Dairy Equipment is now accepting scholarship applications for the fall of 2015. This will be our third year offering these scholarships! Each scholarship will be available to students who plan on attending a college and major in Dairy Management, Large Animal Veterinarian or to a student continuing their education at a technical school studying electrical or refrigeration training.

Go to our website at: www.browndairyequip.com.

The front page of our website has all the information and links to apply for our scholarships.

We are very excited to help the youth of our area continue their education. We hope this allows these individuals to learn skills which help them stay in the industry we love so much.

The Deadline for applications and your personal statement is **April 30, 2015.**

Please apply now as the deadline is approaching quickly.

Brown Dairy Equipment
Supporting Education!



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Calf Feeders

by Holm & Laue and Brown Dairy Equipment Co.



Holm and Laue has designed the HL100 calf feeder to meet the demands of a busy dairy. The HL100 will feed up to 100 calves, either powdered milk or whole milk up to 6 times per day requiring minimal labor. The feeder will dispense the precise amount of feed per calf, warm the milk to feeding temperature, and purge itself with water after each feeding. Individual calf intake will be monitored and flagged should it not eat enough. Once flagged, the dairymen can easily see which calves need to be checked.

In November of 2014, **Cindy Te Voortwis of Te Voortwis Dairy in Bad Axe, MI** added two of the HL100 whole milk systems along with the Calf Guide Management Software. In a recent interview with Cindy, she had the following to say about their calf feeder.

Brown Dairy: *Are you happy with the overall performance of the Holm and Laue Calf Feeder?*

Te Voortwis: We are very happy with the calf feeders! The Holm and Laue calf feeder (HL100) really gives us an opportunity to raise a better calf with a more flexible schedule. So far the feeders have been performing well. However, it's important to know that you still have workload, but your workload changes. Compared to our past method of bucket feeding, our calves are doing really well. I thought we had nice growth on our calves in the past but I feel the growth is even better now. Overall, the calves seem to be more content drinking smaller portions several times a day. With this system we are now able to feed them a little more with no additional labor versus the twice a day feeding we did in the past. As we did before, we still start weaning the calves at 6 weeks, but this process is so much better. The calves are not frustrated during the weaning process since the HL100 gradually takes a little bit of milk away over time. Also, since the calves are already in a group pen, you don't have that additional stress of regrouping them.

Brown Dairy: *Is there a report that you use the most? Alarm report etc...*

Te Voortwis: I currently go through the report that shows all the calves. This way I can look at all not just specific calves. With regards to the Calf Guide I have not had a chance yet to play with it much.

Brown Dairy: *Have you seen more healthy growth in your calves? Have you had any issues with scours or bloating?*

Te Voortwis: It is safe to say that our scours are not as

severe as it used to be and the calves seem to handle themselves better. I do want to add that with more available time, we have somebody at the birthing facility to ensure that the calf gets colostrum immediately. It was not always possible in the past to get them colostrum within the first couple of hours. Bloating has not been an issue with the calf feeders as we have not treated one calf yet.

Brown Dairy: *Is there anything that you would do differently with your current building setup?*

Te Voortwis: We do have some minor things that I would like to adjust for the coming winter. For the young calves we really need to build a better draft free shelter where they can lay during their youngest days. However, when they are two weeks and up they are fine with our current setup. Our barn is 408' x 90' and our calf pens are 27' x 35'. We chose a larger pen than required so that we are not forced to move them out after weaning. We can leave them for a couple of weeks longer in the pen. I would add more slope on the pad where the calves stand while eating for better runoff. We have some slope there now but I would like to see a little more.

Our Milk Jugs use a "GEO Thermal" type of system that keeps the milk cool. PEX tubing filled with antifreeze is run throughout the pads and ground dissipating heat as it goes preventing the pads from freezing. We have an issue when the Milk Jugs are not being used; the pads are not being heated. This has caused the pads to freeze and get built up with solids. This needs to be chipped away. In addition we would change how we ran the PVC piping where cables and milk lines run into the floor. These were cut too closely to the floor allowing water to stand in them.

At Te Voortwis dairy they currently use a Calf Star flash pasteurizer. The pasteurized milk flows into a Calf Star transfer tank to cool. Cool milk then is pumped into the 200 gallon Milk Jugs. These are filled daily and the calf feeder pulls milk from the Milk Jug. The Te Voortwis Calf facility has room for additional expansion in the future.

Thank you to Cindy and the Te Voortwis dairy for taking the time to spend with us!



The Holm & Laue calf feeder has several features to offer, including:

- Temperature adjusted automatically, so the ration arrives at the teat warm
- Liquid or powder additive doser available for administering drugs
- Automatic milk delivery through the teat
- Automatic temperature reduction depending on calf age
- Automatic hot water rinse through the teat
- Whole milk system with high level hygiene
- Powder Additive doser available for medicines, or electrolytes
- Anti-pirate milk shut-off
- Automatic ID tag activation
- Great delivery system for powdered milk
- Easy to clean and operate
- Power-Saver mode



Please contact Brown Dairy for tours or more information!!



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EnviroLagoon® is a proven dairy waste management solution that has been used effectively for over 15 years. EnviroLagoon works well on any Dairy that has long-term manure storage.



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Easy To Use Liquid Solution With Quick Results

EnviroLagoon works by feeding the bacteria that already exist in the manure and speeding up the decomposition of the manure. This makes the manure easier to handle when it comes to pump out time as well as getting more manure out of storage and into the fields.

EnviroLagoon offers further benefit on farms that separate out sand or solids, by helping keep separation screens cleaner for longer. In sand lanes, EnviroLagoon will help remove organic matter so it can dry faster and be reused more quickly. Barns that use flush systems will benefit from having cleaner flush water and reduced likelihood of slick spots in the alleys.



EnviroLagoon is a great tool to enhance the entire nutrient cycle on a dairy.

For more information, call **800-373-2153**
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Healthy Alfalfa makes for strong yields and using Nutricor® and iKonic™ together can help make the most out of your alfalfa acreage. Using Nutricor and iKonic together after cutting alfalfa provides key macronutrients and chelated micronutrients as well as various carbon sources, and organic matter. This combination feeds both the plant and the soil. This program helps the alfalfa grow larger leaves and more of them to maximize the amount of quality feed that can be harvested off of each acre.

Nutricor is 5-4-4-3% Sulfur blend with various carbon sources, chelated micronutrients, enzymes, and organic material. iKonic is an 0-0-13 source of liquid Potassium with chelated micronutrients, carbon sources and a small amount of surfactant that allows for immediate take up by the plant. Using this program benefits the plants as well as the soil. This is one more way to help ensure sustainability and care for the soil that is so important to yield potentials over time.



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**All Pre-Orders must be received in June 2015. Once delivered, items may not be returned.*



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For more information contact **Brown Dairy Equipment**
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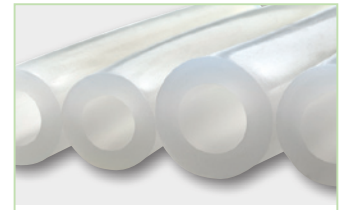
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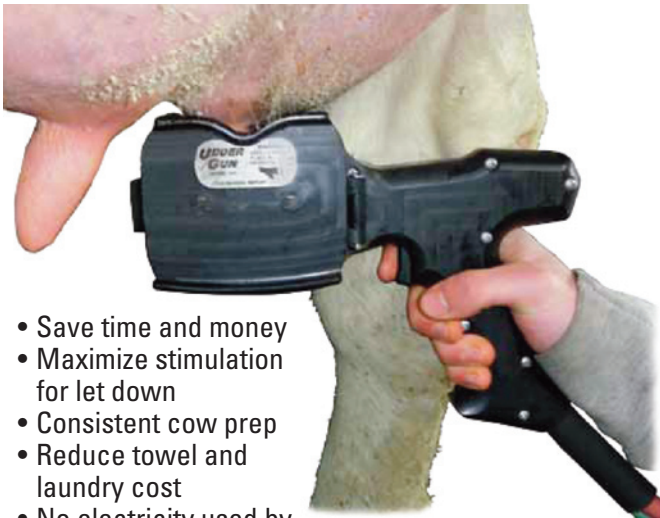
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Quickly and Consistently*



- Save time and money
- Maximize stimulation for let down
- Consistent cow prep
- Reduce towel and laundry cost
- No electricity used by system
- Ergonomic, easy to use gun
- Low water usage, 1 to 2 oz. per cow

How the Udder Gun™ outperforms all others for superior cleaning and stimulation

- Engineered to mimic a calf suckling at 60 licks per second
- Exclusive elastomer teat belts have flaps to contact and conform to each teat
- The belts auto adjust to size and shape of teat
- Warm water/sanitizer sprayed onto belts and teat at 6 oz./min.
- Teat tip is cleaned when entering and exiting teat belts
- Teat belts allow for more flap contact with whole teat than rotary brushes
- As the teat belt flaps rotate around the lower shaft, they accelerate to flick off water and debris



Economical use of existing resources with up to date technologies

Farms today with high animal concentrations are faced with great problems due to the large amounts of manure. This is one of the most major concerns of many dairies with existing legal requirements. For this reason, manure storage and use must be treated adequately. Customary storage treatment systems can be time consuming and labor intensive which require considerable investment.



Fan Separator converts manure into valuable fertilizer and bedding. A fully automatic separation means that splitting up manure into a liquid and a solid fraction

offers great advantages. A thin slurry remaining can be distributed any time without any specialized techniques or equipment. The odorless solid fraction is easy to store and use without any problems.

LIQUID FRACTION

- Slurry volume is reduced by 15 to 30%
- Less storage space and fewer transports
- Lower nitrogen loss during storage and distribution due to extraction of solids
- Reduced smell
- Lower nutrient concentration allows a higher application per hectare compared with raw manure
- Better infiltration to the soil and less adhesion to the plants ensure that nutrients are more quickly absorbed and crop damage by burning is minimized.
- Simple cost effective distribution systems are available

SOLID FRACTION

- Self-composting, odor-less and stackable
- 35% or higher dry matter content allows composting or re-use for bedding
- Easy to transport
- Improves the soil structure and increases the humus content.

Whether your goal is to separate manure into liquid and solids and/or create green bedding, we have the product that will meet your needs. We are available to review these products and show you what your options are. Using technology to solve today's manure problems that make financial cents.



Pioneering Green Bedding

The FAN Separator is the key ingredient of a system giving farmers a choice in their bedding material.

The FAN Press Screw Separator can handle thick (20% solids) as well as thin slurries (down to 0.1% solids). Dryness of separated solids can be adjusted between 25% and 42% depending on the application and model.

New models are changing the way farms are bedding for the future. The new BIG JOHN Bedding Separators have automatic weight control arms, smart control panel technology, 36% to 42% Dry Solids with screens priced 1/3 less over previous models. Using a FAN Separator will decrease the amount of solids required to spread on your fields plus decrease your slurry input by 25%.

Call us today to schedule a visit to see a working press screw separator!

Brown Dairy Equipment Newsletter Spring 2015

2153 North Van Dyke
Bad Axe, MI 48413



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