



Proud Canadian Dairy Industry Equipment Manufacturer

Dairy farming in Canada is more than just a job - it's a way of life! At Canarm AgSystems, we are proud to support our hardworking farmers by providing them with custom dairy solutions and quality equipment.

View our brand new video and join us in celebrating the dedicated individuals who keep this amazing industry thriving!

[VIEW VIDEO](#)

Managing Natural Ventilation in your Calf Barn



By Rick McBay
Natural Ventilation Specialist

Tips to keep calves comfortable and healthy this winter by managing interior temperature, minimizing drafts and maintaining air flow.

Many dairy operators have chosen to relocate their calves from outdoor hutches to indoor housing. This shift offers more convenient management and allows for layouts suitable for group housing and automated feeding systems.

A significant number of these structures have been equipped with natural ventilation systems, typically involving a combination of curtain or sliding panel systems on wall openings and ridge systems for cold-weather air exchange.

Common ridge systems include the open ridge, overshot ridge and chimneys. The chimney system offers the advantage of positive air exhaust along with adjustable dampers for enhanced temperature control.

Given the sensitivity of these animals, ensuring the right environmental conditions is a top priority to prevent health issues.

A critical aspect to manage is the interior temperature. It's not necessarily about maintaining warmth during winter, since we know that calves have done well in outdoor hutches. The concern lies in dealing with significant temperature fluctuations within a 24-hour period, which are common in many regions during spring and fall. Furthermore, non-insulated structures can rapidly heat up and cool down during these seasons. The most effective way to regulate these



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temperature changes is by operating the sidewall system with electric drives controlled by a thermostat. This system will automatically open and close the sidewalls to maintain the desired indoor temperature, adjusting the curtains based on internal temperature, external temperature, wind speed and direction, and the presence of rain.

Minimizing drafts in a natural ventilation system is also crucial. Designing pens or stalls with a walkway around the perimeter helps prevent cold air from entering sidewall openings and dropping directly on the animals. Adding a windbreak mesh to the top 25% of the sidewall opening is also beneficial, enabling air to enter the room while reducing the speed that could otherwise create drafts. As mentioned earlier, integrating a weather station input into your controller allows individual curtains or panels to open and close based on wind speed against specific openings during colder weather.

[READ FULL ARTICLE](#)

Featured Products



DIRT BLASTING BOOT WASH

Boots having a crappy day? Give them something to shine about with the Canarm Boot Wash!

Did you know that dirty boots can be a major source of disease in livestock farming? By properly cleaning and disinfecting your footwear, you can limit the risk of introducing harmful pathogens to your animals. So keep those boots clean and keep your livestock healthy!

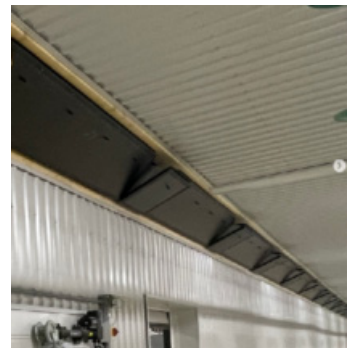
So say goodbye to dirty boots with this stainless steel boot wash! Easy installation and maintenance make it a breeze to keep your footwear clean. The self-cleaning design ensures waste water flows away, preventing any buildup. The stainless steel cover keeps water contained for fast, effective cleaning.

**LEARN MORE AND
SEE OUR BOOT
WASH IN ACTION**

Recent Installs



Update to the J and B Millen Farm project through dealer LBJ Farm Equipment in Great Village, Nova Scotia. They had the first few farrow in the new pens (84 turn around crates). Momma and piglets (27 of them!) are doing well.



Update for a new turkey barn near Elmira, Ontario. Everything is coming along nicely and they're almost ready for the birds!! Building features Canarm 24" & 36" fiberglass EC fans, high-efficiency 54" fiberglass fans, MinMax baffles and EC circulation fans.



We are excited to have been chosen to supply and install a complete Faromor Natural Ventilation System for this new dairy facility, located near Stratford, ON. The system designed for this project uses our Max Air Sidewall Curtain System including the industry leading Pipe Drive Operating Hardware.



Building a new barn or renovating your existing one?

Canarm has the products and experts to help you make the best choice. We offer complete stabling, ventilation and lighting packages.

Talk to one of our experts about your project today!

Call **1-800-260-5314** or email agsales@canarm.ca