

Frostfree Nosepumps: simple, smart and sustainable



At the trough from a large herd outside Cochrane, AB, pumps that own drinking water from a Frostfree Nosepump installed on a trough. Canadian winter weather.

Smart Farming is a trending term that generally refers to high-tech digital solutions like precision input applications, automation, online platforms and advanced intelligence. The team at Frostfree Nosepump has approached "Smart Farming" from a more practical standpoint. Specifically, they offer a simple, effective and reliable product.

Jeff Anderson, says, "In an industry that constantly challenges producers to turn a profit, controlling costs without compromising inputs is a successful strategy to increasing margins. That's what we consider Smart Farming."

The Frostfree Nosepump is a breakthrough design by Rimbey, AB, cattle farmer Jim Anderson. Frustrated with

"If you don't ensure quality water, you're not just compromising the health of the herd, you're compromising your investment in [balancing feed rations, minerals and supplements, and your herd health program]."

The Frostfree Nosepump that allows producers to provide the highest quality water possible to their livestock cost effectively 12 months of the year. The effective utilization of their product results in keeping livestock healthy and productive. As sales and marketing manager,



As an animal grows, the producer, water is typically drawn out of a well and into the Frostfree Nosepump.



With the absence of power, the main pump and motor lift water from the cold to the Frostfree Nosepump.

trying to get water to his livestock in areas without power, Anderson developed several prototypes of the Frostfree Nosepump through the late 1990s and early 2000s. He quickly realized his product could solve many livestock producers' winter challenges, so he tinkered and patented the

concept that combines to make not only the pump itself, but the well to the system installed into, heavy enough to withstand even the coldest periods of winter in North America and beyond. With the absence of power, the main ingredient used to protect the system from the cold is professional heat. Throughout the development process of the Frostfree Nosepump, it was established that the minimum dimensions requirements for an effective well were a minimum casing diameter of 24" and a minimum well depth of 18' using a non-conductive casing. Adhering to these minimum dimensions ensures that the well will not be

aspect of the Frostfree Nosepump, there is an introduction panel for a new hard to the device. It is a simple process, though, and should take no extra time away from the producer.

Anderson recommends covering all other water sources, introducing just a small number of head to start, and allowing them time to learn in mild (not too hot, not too cold) weather that allows use to decompress the "wring hole" to shorten the animal's learning curve.

"Livestock are significantly more capable than we give them credit for. Without exception, when a producer is willing to follow the introduction instructions and then give their livestock space to learn the device, herd transition is a flawless process," says Anderson.

In addition to making life easier for the producer and bringing back without power into grazing production, the Frostfree Nosepump offers a number of other benefits. Most important is improved herd health and production.

Frostfree Nosepumps provide better quality water to livestock during all year-round periods. We all spend significant money on balancing rations, providing salt and minerals, and maintaining an effective herd health program. Then we expect our cattle to go back to work or stand in a muddy slough or standing puddle. There's no balance there. If you don't ensure quality water, you're not just compromising the health of the herd, you're compromising your investment in those other three areas," says Anderson.

A close second in terms of benefits is environmental sustainability and protection. Environmental protection groups like ALLIS and Ducks Unlimited, and government-sponsored programs such as the Canadian AgriStewardship Partnership (CASP) have all taken note of Frostfree Nosepump's efforts to prevent source contamination and protect waterways and riparian areas. They have recognized, by quality, Frostfree Nosepumps for multiple funding and cost-sharing programs that help producers further mitigate the costs associated with developing progressive riparian restoration.

The family's newest addition to the Frostfree Nosepump line is a cross-over product that can provide freeze-chase water to calves once pain is put into someone's pasture. The attachment substitutes to the same philosophy of simplicity and a power free dynamic. One simply taps into the vertical steel supply at the base of

the head unit with a 1/4" line which allows water to gravity flow through a conventional tank into a conventional trough (or the cows pump their drinking water) set up inside a set of crop panels for the calves to exclusively access.

"The crop attachment is something we developed a number of years ago and have been using for summer grazing since. We have recently introduced this as an option for producers to be able to offer their calves freeze-chase water until they get big enough to pump their own water during the months of summer grazing," says Anderson.

"Thank Frostfree Nosepumps for what you've done for us. Our herd is doing great."

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