

at grazing, how to set up  
submit a soil sample for evaluation; they can also  
submit questions and read articles about success  
stories from producers.

## WATERER

### Nose Pump

The Frostfree Nosepump (FFNP) is the solution. This pump and system was developed by Jim Anderson, a grazer in Alberta, Canada, and has been on the market for just over one year.



Designed in 1999, Jim used the pump on his own operation, modifying and redesigning it with the assistance of the Alberta Research Council. When he was satisfied that he had a product that would work, not only for his own purposes, but also for others looking for low-cost watering solutions, he and his wife formed Frostfree Nosepumps Ltd. and began marketing the pump to other producers in Canada and the USA. Now there are over 120 units operating across the nation.

The FFNP operates with the same principle as the old fashioned hand pump. It is a down-hole piston pump. Each time the animal pushes the lever with its nose, out comes two cups of water into the trough. Water in the trough does not drain down as this would contaminate the water source, but it has been proven that cattle only pump what they want to drink so leave very little in the trough. The activity in the trough from the chins of the animals, keeps the trough from building up with ice in the winter months. Water in the riser pipe does drain down to a level 5 feet below the trough. The first animal to the trough restores this water, getting a drink on the fourth push.

The FFNP is guaranteed to work year-round if it is installed according to the directions provided. To view cattle operating the pump even at temperatures of minus 40 degrees, take a look at the videos on the website: [www.frostfreenosepumps.com](http://www.frostfreenosepumps.com) For further information, call toll-free 1-866-843-6744 ■