

2010 Youth Innovation Challenge



1st Place Winner

Name: Alex Sterk **Hometown:** Embro

Invention Name: Remote Controlled Manure Pump



Sand manure is difficult to remove from a manure tank. One method is to use two agitators to keep the sand in suspension. But you have to walk back and forth between the two tractors to control the direction of the pump. My invention allows you to control both pumps from the same location.

A control box and a receiver box allow you to control the hydraulics on the opposite pump by means of solenoid valves.

This device saves a lot of walking between tractors and results in a nice thick slurry mix.

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2nd Place Winner

Name: Ron Groen **Hometown:** Teeswater

Invention Name: Leg Care Timesaver



The idea for the Leg Care Timesaver was thought of while holding a hose and running cold water down a cow's injured leg two times a day to reduce the swelling.

Ron's innovation allows the water to be spread evenly over the bruised and swollen area of the leg with evenly drilled holes in a hose from which the water can flow out of.

Once the device is on the animal and the water supply is turned on some of the nearby chores can be completed to save time.

This device is simple and cheap for a farmer to make and use.

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3rd Place Winner

Name: Manita Griffioen **Hometown:** Tavistock

Invention Name: Feed Scraper



Manita's "feed scraper" was originally a land leveller for the back of the tractor. She made a few modifications, like changing the hook up for the front of the tractor and making it able to swing easily from side to side for good reach on both sides of the aisle.

To be able to use this piece of equipment, you need momentum. By doing this, you quickly swing it around for the other side of the aisle.

This useful piece of farm equipment can also be used with skid steers, along with anything that has a loader hook up system.