

Precision Manure Application Equipment Demonstration



A Precision Manure Application Equipment Demo was held on August 21, 2012 at the farm of Jake Kraayenbrink, near Arthur. It fostered discussions between livestock producers, equipment manufacturers and technical experts through examining liquid and solid manure application equipment in action. Over 120 people participated in the demonstration day.

The day was a collaborative effort between AgriBrink Equipment, Heartland Region Soil & Crop, OMAFRA and Ontario Pork.

The emphasis was on improving uniformity of nutrient application using various new technologies. Participants heard about the role of GPS, tire size, inflation pressure, flow meters and distributors for improved precision application

Live in-field demonstrations of various solid application equipment helped producers evaluate which system is best suited to handle specific manure types or individual needs. Liquid manure injection equipment was also demonstrated showing options for application into bare soil and injection into standing corn and cereal crops. New technology options are balancing the need for speed of application with the concept that manure is valuable and should be applied with expectations similar to application of commercial fertilizer.

Crop Advances: Field Crop Reports



An injection toolbar being tested in OMAFRA applied research plots was one of the units featured. This toolbar which demonstrates European concepts for in-crop application of manure, applied manure into a corn crop at the 6-8 leaf stage, which is the optimal timing for getting nutrients to the crop when they are needed.. Further capabilities of the injection tool include the ability of application into standing cereals or harvested forage crops or to seed a cover crop of oats or oil seed radish with manure application post wheat harvest. Manure injected into a growing crop will maximize nutrient utilization. Based on success from this event, Ontario will host the North American Manure Expo – August 21st 2013.

Event Contact:

Christine Brown, OMAFRA, christine.brown1@ontario.ca