



## Tour #2 – Eastern Region

### Nyhof Dairy Farm – Ile des Chene

**Location:** Just North and East of the town of Ile des Chene, Manitoba

This dairy farm is an excellent example of how to get along with your urban neighbours. They operate a 120-tie-stall dairy in a heavily populated area and have revamped their whole manure handling system, moving from a mole hill to a regularly spread solid pile for their bedding. The liquid fraction is stored in a slurry store before injection into soil for crop use.

**Contact:** Doug Waterston  
Manager, Managro  
(204) 482-5078 or (204) 325-7858



## Hannes & Nicole Maurer – Straw-Based Manure System

**Location:** Near Steinbach, Manitoba

Hannes and Nicole Maurer have a 2,000-feeder pig operation, with half of the production in a conventional barn and the other half in five fully cemented biotech shelters. The Maurers have found that field windrowing their manure has worked well for their straw-based manure system. They empty their shelters two to three times per cycle and spread the manure in the fall after harvest.

Through their own on-farm experimentation, they have discovered that wheat straw and flax shives have been a good combination for meeting the housing needs of their hogs and for ease of manure handling.



## Milleni Egg Inc. – Indoor Manure Composting System

**Location:** Dufrost area, Manitoba

In operation since 1998, this 350,000-layer chicken operation uses a unique indoor manure composting system. This German technology is the first of its kind in Western Canada and is valued at \$1.1 million. The composting facility has the capacity to compost the manure from 400,000 birds with storage space for up to one year. It takes 63 days for the manure to be composted through the facility.

The composted product is presently available for agricultural use, greenhouse operations and market gardens, with future opportunities for the compost to be further processed for retail use.

**Contact:** Cal Funk  
Landmark Feeds  
(204) 746-2338



## Evergreen Land & Cattle Co. Ltd.

**Location:** Southeast of Steinbach, Manitoba

Robert and Jodi Krentz, with Gordon Krentz, background 4,500 feeder cattle on 6,700 acres of pasture. Their operation is designed to handle between 4,000 and 5,000 feeders annually under intensive grazing systems. Each pasture system incorporates rotational grazing and a hog barn that supplies the required fertilizer for the pasture.

Feeder cattle are purchased in the late winter/ early spring, grouped into packages of 500 to 900 head, and put on a pasture system that ranges from 640 acres to 1,050 acres for the summer. Robert targets a gain of 250-300 lbs./head over a 150-day grazing period. Cattle are sold in mid-October using satellite sales.



## Dribble Bar Applicator

**Location:** Southwest of Steinbach, Manitoba

Eric Rempel of Ecolagra Inc. designed and built a 250-foot dribble bar liquid-manure applicator for Fiveway Pumping. The manure applicator is primarily designed for application on hay and/or pasture and works off a drag-hose system. The applicator can deliver between 4,000 and 25,000 gals/acre on a one-half mile run and will cover 15 acres/pass. It features two delivery systems; one a low level splash plate with 13 nozzles and the other a drop nozzle system with 125 nozzles.

The applicator is still under development and design changes are being looked at to reduce the incidences of plugging. Eric Rempel manages Fiveway Pumping and does custom soil sampling.

**Contact:** Eric Rempel  
Ecolagra Inc.  
(204) 346-4441 or (204) 326-9621



## Precision Application of Hog Manure (Elite Swine)

**Location:** East of St. Pierre – Pansy area, Manitoba

Manure application has evolved significantly in the last five years. The next big step is to show consistency and precision and provide an exact data set that will result in more value from the manure and allow Elite Swine to track applications over many years. GIS (Geographic Information System) systems provide a central database to house many types of information on the barns and cropland around the barn.

This demonstration shows how GIS techniques and local data can accurately measure land application of manure. GPS tracking equipment is utilized to monitor and capture flow rates. There are three stations, highlighting:

1. Precision Pumping's fully GPS-equipped tractor doing a simulated application
2. Giannotti Technical Services: The latest technology to give full feedback on your application
3. Geographic Information System (GIS): How Elite Swine is implementing a GIS system to provide environmental, economic and agronomic value to their customers.

**Contact:** Scott Dick – Manger, Land and Nutrient Resources  
Elite Swine Inc.  
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## PFRA – Well-Capping Demonstration

**Location:** Pansy, Manitoba

Abandoned large- and small- diameter wells are a direct result of vacated yard sites due to rural depopulation. These wells, which have been left unattended, are potential sources of groundwater and aquifer pollution. They also pose a physical hazard for unwary humans and animals. PFRA and Manitoba Agriculture and Food are emphasizing the need to seal these wells.

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PFRA  
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For further information about Tour #2, please contact Kira Rowat (Agricultural Representative, Manitoba Agriculture and Food) at (204) 433-7749.