

# Canada's Outdoor Farm Show has IMUS!

**An innovative bioGas technology with Canadian roots.**



Canada's Outdoor Farm Show has IMUS - not the radio celebrity but the bioGas innovation from Alberta. IMUS<sup>(TM)</sup> - or Integrated bioMass Utilization System - is a leading-edge, patented application of anaerobic digestion technology developed right here in Canada.

A mobile version of this technology dubbed IMUS-m is a much smaller, but fully operational, version that is assembled inside of a transportable container unit for shipment. Like its larger, permanently-rooted cousin in Alberta, the IMUS-m can process many forms of waste -- from cattle manure to grass clippings to table scraps. The digestion process completely eliminates pathogens from the waste while generating a renewable energy product: bioGas.

BioGas is methane gas, making it a renewable natural source of energy. It can be used in any and all applications where natural gas is used -- from fuelling boilers, heaters, generators and even to vehicles! Unlike destructive methods such as pyrolysis/syngas, IMUS<sup>(TM)</sup> also produces a high-quality bio-based fertilizer product as a result of its patented biological process. IMUS preserves all the nutrients and minerals while knocking out even the toughest pathogens, making its fiber byproduct ideal for a variety of agricultural, horticultural and industrial soil reclamation projects.

With the success of the world's largest such system built by [www.GrowingPower.com](http://www.GrowingPower.com) and co-located with Highland Feeders, one of Canada's top-5 feedlots, Highmark Renewables Research ([www.Highmark.ca](http://www.Highmark.ca)), the owners of IMUS<sup>(TM)</sup>, built a smaller mobile unit (the IMUS-m). They did so to help educate the world about their capabilities and about sustainable waste-to-energy in general, including municipal applications. IMUS-m processes about 200kg of waste per day on location.

This award-winning Canadian innovation will be on display and operating at Canada's Outdoor Farm Show, held in Woodstock, Ontario from September 14th to 16th, 2010. The IMUS-m will operate using manure from the 70-head herd of dairy cattle being milked on the Lely and DeLaval robotic milking systems in the Olympia Dairy Innovation Centre. As part of the Canadian Energy Expo display of bioGas technologies, the IMUS-m will operate beside a life-size walk-through version of an anaerobic digester provided by Ontario Harvestore Systems where visitors can see the technologies inside of a digester without the manure and gas. They will then be able to better understand the process when they see manure actually being turned into energy in the nearby IMUS<sup>(TM)</sup> mobile unit.

Canada's Outdoor Farm Show will be held in Woodstock, Ontario on September 14, 15 & 16, 2010. Visit [www.OutdoorFarmShow.com](http://www.OutdoorFarmShow.com) for more information.



IMUS<sup>TM</sup> Biogas Plant at Highland Feeders near Vegreville, Alberta. The smaller mobile version called IMUS-m will operate at the 2010 Canada's Outdoor Farm Show.