



# Milligan Bio-Tech

## *Yesterday's Initiative is Today's Promise*

Foam Lake is a thriving Saskatchewan community of 1,200 people. Part of the reason for the growth in the last few years can be attributed to Milligan Bio-Tech., bio-diesel producer.


July 23, 2009 marked the official grand opening of this company that has been in the works since the early 1990's. Started by members of the Foam Lake Marketing Club looking uses for distressed oilseed, Milligan Bio-Tech has grown into an international company through years of research, development and perseverance.



*Milligan Bio-Tech's version of "cutting the ribbon" at our Grand Opening – fuelling the company car with Bio-diesel from our new plant.*

Through research in partnership with Agriculture & Agri Food Canada (AAFC) and the University of Saskatchewan, it was determined that top quality bio-diesel could be made with low quality canola, that cannot be used in the food industry. "When we started the company, we couldn't use the standard equipment for crushing No. 1 canola, so with our partners, we developed our own proprietary cold crushing technology," says Zenneth Faye, Executive Manager and one of the company's founders. The crushing facility opened in 2006

In order to perfect their processes, Milligan continued to work with AAFC and the U of S on bio-diesel production at the Bio-Processing Centre in Saskatoon. "From that experience, we've now brought the technology home to Foam Lake and have built our Bio-diesel Optimization Plant. This plant will be capable of producing 10 million litres of bio-diesel annually," says Faye. Those levels of production will require 30,000 metric tonnes of canola. The average percentage of crop that is off-grade is 10%, providing 900,000 tonnes of off-grade canola.

Milligan's impact so far is significant; since incorporation in 1996, over \$15 million has been invested in technology and product development. \$7 million of that has been spent in Saskatchewan and \$1.5 million in Foam Lake. A total of 28 jobs have been created, bringing new and returning families to Foam Lake. Canola marketing opportunities are being created where there were none before. There are also the co-products that Milligan sells in the retail market. At over 2,000 Canadian retail outlets you can purchase Milligan's Diesel Fuel Conditioner and Penetrating Oil. Road Dust Suppressant, Canola Oil & Meal can be purchased directly from the Foam Lake plant. It is partially the income from these products that Milligan Bio-Tech is able to continue its research, development and expansion plans. Plans that include a 150 million litre Bio-diesel Plant for 2012 to correspond with the federal mandate of 2% renewable diesel content in all on-road diesel. As well, their hub-and-spoke strategy which includes opening multiple canola crushing sites across the Prairies. The off-grade canola would be crushed on site with the oil being shipped to the bio-diesel plant in Foam Lake. The benefits to this system are numerous. "It's cost effective to just ship the oil, leaving the canola meal in the community for the local farmers to use as a protein source," explains Faye. "With this system, we are able to ensure quality control over our bio-diesel production at the Bio-diesel Plant in Foam Lake. We believe this model promotes regional sustainability and we are looking forward to putting it into action." 



*Different fleet vehicles on display that use our products.*