

## Canola Council's Diesel Digest

### Keeping Vancouver Green

Volume 1, Issue 8, Aug. 11, 2006

Darcy Vaillant wants the mountains east of Vancouver, British Columbia, to maintain their beauty, as well as their fishing spots, for future generations. As manager of maintenance for Terminal Systems Inc., the biggest container terminal in Canada, he is in a position to be able to make a significant impact on diesel emissions coming out of the Port of Vancouver.

TSI implemented the use of B20 in all of the 227 diesel engines at its two terminals—Vanterm and Deltaport. "Once I went up to B20 in testing, the reduction in emissions was impressive," says Vaillant, who initiated and led the biodiesel initiative. Biodiesel, combined with exhaust scrubbers in the heavy machinery, has resulted in a 30 percent reduction in annual diesel engine emissions. The company seeks to reduce emissions by an additional 10% when it upgrades to B30 by the end of this year.

TSI is proud of its accomplishments thus far. "Biodiesel is reliable, and it's a cost effective way of achieving our goals in emissions reduction targets," Vaillant says. "Plus, biodiesel smells a lot more pleasant than diesel fuel. It's already made a difference."

Ultimately, this project was done for environmental reasons. "TSI wants to be a leader in environmental stewardship," Vaillant says. "We don't just work here; we live here. We all have children, and we want to work on the environment. We plan on being here a long time — maybe I won't be here, but my kids will be. We want to reduce our environmental footprint, and that's just part of the deal."

[More Details: \(BIODIESEL MAGAZINE\)](#)



*Biodiesel: The future's fuel*

### Diesel Digest

**The Canola Council's News-wire on World Developments in Biodiesel**

"People here need to realize that Europe is running blends at 50-80%. You actually can't buy zero percent biodiesel content in Europe. If it works there, why can't it work here?"

**Garry Ropchan of Central Peace Conservation Society  
Spirit River, Alberta**

### New Guidelines For Biodiesel Fuel For 2007 Dodge Ram



According to DaimlerChrysler and Cummins, diesel-fueled vehicles can be safely operated on up to 5% biofuel blended with ultra-low sulfur diesel (ULSD). DaimlerChrysler's recommendations state that the biofuel portion of the blend (5%) should meet the requirements of ASTM D6751, and the petroleum diesel portion of the blend (95%) should meet ASTM D975. Pure biodiesel (100% biofuel) is not recommended.

Earlier this year DaimlerChrysler also approved the use of B20 biodiesel fuel in its 2007 model year Dodge Ram pickup trucks, but only in certain applications. B20 is a blend of 20-percent biofuel and 80-percent regular diesel fuel. Currently, the B20 blend is only approved for government, military and commercial vehicle use. The approval applies to biodiesel

fuel that meets the fuel specifications established by the United States military, which requires the fuel be used within six months of delivery. DaimlerChrysler is the first U.S. automaker to specifically approve the use of B20 in its warranty statements.

DaimlerChrysler and Cummins are working with the government, automotive suppliers, energy providers, universities and independent agencies on a national standard that could make B20 an option for all Dodge Ram diesel owners.

[More Details: \(CUMMINS\)](#)

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## US Farmers Lead - Industry Follows

Cargill and the Missouri Soybean Association (MSA) announced plans for a 40-million gallon-per-year biodiesel plant and 30-million-pound food-grade glycerin refinery adjacent to Cargill's existing soybean processing facility in Kansas City. This week, Paseo Biofuels begins a statewide, \$24 million equity drive that would make the facility majority-owned by Missouri soybean farmers. "This is a great opportunity for producers to get involved in adding value to their crops and farms," stated David Durham, board chairman of Paseo Biofuels, LLC.

Missouri's federal and state legislative teams have placed it as a frontrunner in the biodiesel industry. Tax incentives have been established for biodiesel blenders, some of which are suppliers for many state vehicles and school bus fleets. More than 50 percent of Missouri farmers use biodiesel in their operations as a way to add value to their commodity.

Biodiesel reduces emissions while offering similar performance to petroleum diesel. Biodiesel has the highest energy balance of any liquid fuel. For every unit of energy used to make biodiesel, 3.2 units are gained.

The Missouri Soybean Association is a membership organization comprised of more than 1,700 soybean farmers from across the state. The purpose of MSA is to communicate challenges facing farmers and rural Missouri to legislators at both the state and national level. The MSA is directed by a volunteer board of 16 farmer leaders.

Missouri is thought to be the "home" of soy biodiesel. The Missouri Soybean Merchandising Council began investing checkoff dollars to research soy biodiesel in 1991.

[More Details: \(RELEASE\) \(MISSOURI SOYBEAN ASSOCIATION\)](#)

### ADM: First Biodiesel Plant in Rondonopolis, Brazil

Archer Daniels Midland Company announced plans to build a biodiesel production facility in Rondonopolis, Mato Grosso, Brazil with an annual capacity of 180,000 metric tons. The plant will use soybean oil as its feedstock and is competitively positioned to meet the large anticipated demand from soybean producing farmers as well as from the Brazilian road and rail transport industries. Additionally, it will be strategically located adjacent to ADM's existing soybean crushing plant in Rondonopolis to maximize synergies between ADM's Brazilian origination, transportation and processing capabilities.

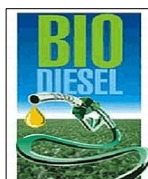


This biodiesel plant will be operational in the first half of 2007, ahead of the anticipated increase in demand due to the mandate that all diesel fuel sold in Brazil include 2% biodiesel beginning in 2008, and 5% biodiesel beginning in 2013.

"The Government of the State of Mato Grosso recognizes the importance of renewable fuels, and we are pleased that ADM, a world leader in bio-based fuels, has chosen our state to build its first Brazilian biodiesel plant," stated Blairo Maggi, Governor-Mato Grosso. "This plant will contribute significantly towards reducing agricultural production costs, as well as having a very positive economic and environmental impact on the citizens of Mato Grosso and all of Brazil."

[More Details: \(RELEASE\)](#)

### A "Made-in Canada" biofuel industry



The canola industry strongly supports development of a "Made-in Canada" biofuel industry with five major components:

- a 2% biodiesel mandate within the 5% requirement for biofuels;
- parity with US incentives to improve investment into competitive, efficient processing facilities;
- strong bio-fuel quality standards;
- programs to encourage primary producer investment and ownership in bio-fuel value-added facilities;
- targeted support for research and development in the biofuel industry to continually strengthen the competitiveness and profitability of the industry.

[More Details: \(CANOLA COUNCIL\)](#)

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## Minot biodiesel plant under construction

North Dakota farmers will have an additional market for their canola crop soon as preliminary construction for the Dakota Skies Biodiesel LLC began July 26, 2006. The canola biodiesel plant will be located in southeast Minot near Gavin Yard and Minot Milling Co.

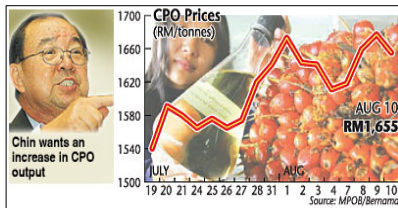
The plant is a part of the agro-industrial park supported by the city of Minot and the Minot Area Development Corp. Dakota Skies Biodiesel will employ 50 people and begin work within the next three to four months once construction has begun.



"It took about two and a half years to get this project off of the ground. We're turning a dream into a reality," said Skip Hauth, Chief Operating Officer

### [More Details: \(DAKOTA SKIES\)](#)

## First shipment of Malaysian biodiesel scheduled to Europe



Malaysia's first shipment of biodiesel will leave for Europe August 15th, said Plantation Industries and Commodities Minister Datuk Peter Chin.

The biodiesel, believed to be heading to Germany, is processed by Carotino Sdn Bhd, a member of Johor-based J.C. Chang group of companies.

Chin said Malaysia must increase the pace at which oil palm was replanted to realise the Government's vision of achieving 35 tonnes of oil palm fresh fruit bunches (FFB) per hectare yearly and 25% palm oil extraction rate by 2020. Palm oil prices have risen about 13% since the beginning of the year fuelled by Malaysia's biodiesel plans.

### [More Details: \(MALAYSIA STAR\) \(MALAYSIA BUSINESS TIMES\)](#)

## Dow Epoxy to increase R&D investment

Dow Epoxy has announced plans to invest more than US\$200 million over the next five years in manufacturing and research and development (R&D) facilities in China.

DOW plans to build a 100,000-mtpa (million tons per annum) world-scale liquid epoxy resins (LER) plant at its existing site in Zhangjiagang of Jiangsu Province, and a 150,000-mtpa epichlorohydrin (ECH) plant in the Yangtze River area in China. Both units are expected to start up in the 2009-10 period.

The new 150,000-mtpa world-scale ECH plant in China, which is expected to start up in 2010, would be the first to use a new Dow proprietary glycerine-to-epichlorohydrin technology. Glycerine is a bio-renewable product generated during bio-diesel production.



### [More Details: \(CHINA DAILY\)](#)

## German trader Toepfer says 2004/05 earnings strong



Germany's leading grain trading house Toepfer International said it had achieved "a very positive business result" in its 2004/05 business year ending on November 30 partly because of strong biofuel demand.

"In the EU almost seven million tonnes of rapeseed are now processed for biodiesel, almost half the harvest of around 15 million tonnes."

Just how rapid the rise in biofuel use is will depend on how strongly governments support them with subsidies and other financial incentives, Toepfer added

### [More Details: \(REUTERS\)](#)

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