



# ENERGY ECHO QUARTERLY

to feed, fuel, and freedom...

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energy as nature intended

## An Update...

As a new year begins in full swing, many farmers are eagerly awaiting a promising spring, filled with good weather and optimal growing conditions. Here at Energrow, we too are eagerly awaiting the dawn of spring planting, for with it brings high spirits for another successful year.

For those who intend to plant oilseeds, we are here for you to answer any dietary, nutritional, planting, growing, harvesting or pressing questions you may have. Although we primarily specialize in assisting farmers with dairy operations, we also look forward to opening up to new markets in non-ruminants sectors as well as smaller acreage farms who could also benefit from our system & services. Even if your interests lie in cash cropping, Energrow offers a means to offset the costs of fuel & transport, so give us a call today!

Here at Energrow we are proud to offer services by farmers, for farmers; Canadian owned, Canadian sewn and Canadian grown!

## Upcoming Events

Watch out for us at any of these exciting events in the next three months:

### Green Technology Fair

*April 18, 11am – 5 pm*

St. Jacobs Arena, 29 Parkside Drv., St. Jacobs, ON  
*Fair & Exhibits*

### 2<sup>nd</sup> Annual Earth Day Event

*April 22, 5pm – 8pm*

Perth East Recreation Complex, Milverton ON  
*Banquet & Exhibits*

### On-Farm Value-Adding Workshop

*June 22 - 23*

Hofarm Ltd., Energrow Inc., Newton, ON

*Oil Pressing Seminar, Biodiesel Production & Economics*

For more upcoming events visit: [www.energrow.ca](http://www.energrow.ca) or call us to invite us to an event near you!

## Feature Article: Another Green Scene for the Soybean

As many of you know, soybean oil has a variety of agricultural, industrial and household uses. According to a recent study released from Purdue University, soy oil has proven itself yet again to be an invaluable farming resource. According to the study, soy oil has the capability of significantly reducing carbon emissions in swine operations. According to Al Heber and Jiqin Ni, when soybean oil is sprayed on the inside of swine finishing barns, carbon emissions decrease. Their study took place on a farm in Missouri in a barn housing approximately 1000 hogs and its results were compared to a similar swine setup for control. "Compared with the unsprayed monitored barn, the oil-treated barn showed an average 20 per cent decrease in methane emissions and a 19 per cent average reduction in carbon dioxide emissions" the study reveals.

"The treated barn was sprayed with five cubic centimeters of oil per square meter of floor for one minute per day. The spray system was similar to the spray technology used to treat cropfields with pesticides."

The oil even served to control the spread of dust particles throughout the barn as the travel of dust particles was decreased by 65% in comparison to the controlled, non-sprayed barn. In turn, the study also found a reduction in the odour produced as dust particles help carry the odours created in swine emissions. Although the study has received some criticisms in regards to the cost of soy oil and the extra cleanup involved when the oil spray gets on feeders and the barn floor, overall, the study appears to shed a positive light when it comes to the use of soy oil spraying in barns. Further study is required to find exactly what concentration would be necessary as well the means in which the spray is applied, however, we will keep you updated on any progress the study may produce.

Source: [thepigsite.com](http://thepigsite.com) (Article: Soybean Oil Reduces Carbon Footprint in Swine Barns)

## So-ya Good No-Bake Cherry Cheesecake

Try this sinfully delicious soy-added dessert. With fewer calories and higher protein than a regular no-bake cheesecake, this recipe will have you shouting it's so-ya good!



FOR THE CRUST, Combine the following:

- 1 c graham crumbs
- 1 c crushed soybean meal
- ¼ c melted butter
- ¼ c sugar

FOR THE FILLING, Combine the following:

1 pkg Dream Whip (Follow instructions on package by combining 1 c soymilk or skim, 1 – 2% & vanilla)

- 1 block light cream cheese
- ¼ c icing sugar

- Combine the ingredients for the crust and pack into a 11 x 13 pan.
- For the filling, follow the directions on 1 pkg of Dream Whip, and then add the cream cheese and icing sugar. Blend well with an electric mixer.
- Top with your favourite canned fruit. Our suggestion is E.D. Smith's Light Cherry Topping.
- Enjoy!

## Q & A

More questions have come in since our last newsletter:

### Soybean Meal: The Benefits of Using Meal in Feed Rations

Many of you know what our press does and what it presses, however, we have received a few questions regarding meal distribution into feed rations and why it is important. Although our press is capable of pressing various oilseeds (including soybean, canola, flax, hemp, sunflower etc.), for simplicities' sake, we would like to give you an overview about the importance of soybean and canola in livestock diets.

### Why Soybean & Canola Meal?

Expeller pressed canola and soybean meal both have a significantly high source of protein that ranges from 38% - 42% in soybeans and 26% - 34% (approx.) in canola. Teamed up with their rich source of fatty acids, the meal is a tasty 'treat' for livestock, especially dairy. Because of it's higher cost and richness in protein and fatty acids, the meal does not usually act as a primary source of animal feed. Instead, it is supplemented as a feedstuff ration alongside hay & silage in livestock diets. In doing so, it is linked to a promising means to get a desired 'marbling' effect in beef. Some farmers may also find it beneficial to mix small portions of the oil back in with the meal. With the higher moisture content in the meal, experts say it can lead to an even higher increase in milk production. Researchers of the Kansas State University discovered an increase in milk production when expeller pressed soybean meal was added to dairy rations. Once dietary regimens and stages were taken into account, they documented a 3.5% increase. Source: soybest.com

### What is the shelf life of expeller pressed meal?

Really, it depends on the condition of the seed before it is pressed. In optimal conditions, when oilseeds (i.e. canola & soybeans) are kept in a cool, dry, environment and the moisture content is intact (typically around 13%) before pressing, once the meal is processed it can last 4 - 6 months.

**MORE Q&A to come!**

Have more questions you would like to see answered?

Contact us and we'd be happy to answer them!

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## Humour from the Funny Farm

### You May be a Farmer When...

- ... Your dog rides in the truck more than your spouse.
- ... You've never thrown away a 5 gallon bucket.
- ... You have used a tractor with a front end loader as scaffolding for roofing repairs.
- ... You refer to farms by who owned them 50 years ago.
- ... Family weddings and special occasions are planned around spring planting and fall harvest.
- ... Your excuse for getting out of school is 'the cows got out.'
- ... You have animals living in buildings more expensive than your house.
- ... You have used bailer twine to attach a license plate.
- ... You have driven off the road while examining the neighbours' crops.
- ... You convince your spouse that an overnight, out-of-province trip for equipment parts is a vacation.

Source: [prairielinks.com](http://prairielinks.com)

### Q & A

Q. Why do cowboys wear their boots to the grave?  
A. So they don't stub their toes when they kick the bucket!

Q. What do you get when you cross a steer with a tadpole?  
A. A bullfrog.

### Did you know? Soybean Fun Facts...

- Soy protein is the cheapest form of dietary protein in the human diet.
- According to the World Health Organization, soybeans have been linked to a reduced risk of colon cancer.
- Soy-based plastics were used in auto body panels for Henry Ford's vehicles in the 1920s.
- Soybeans are even used in the fermenting process to make vodka.

Ha  
HA Ha  
Ha HA  
Ha Ha



Q. Why did the foal cough?

A. Because he was a little hoarse.

Q. What is a horse's favourite sport?

A. Stable Tennis.

Q. What is the easiest way to count a herd of cattle?

A. Use a cowculator.

Q. Why do potatoes make good detectives?

A. Because they keep their eyes peeled!

### Thank you Readers!

Thank you for your support and interest as Energrow grows to serve you better! We want to ensure that both our current and future products and services suit the needs of the farmer. If you have any suggestions, ideas, or comments we would love to hear from you. Please contact us using any of the following means:

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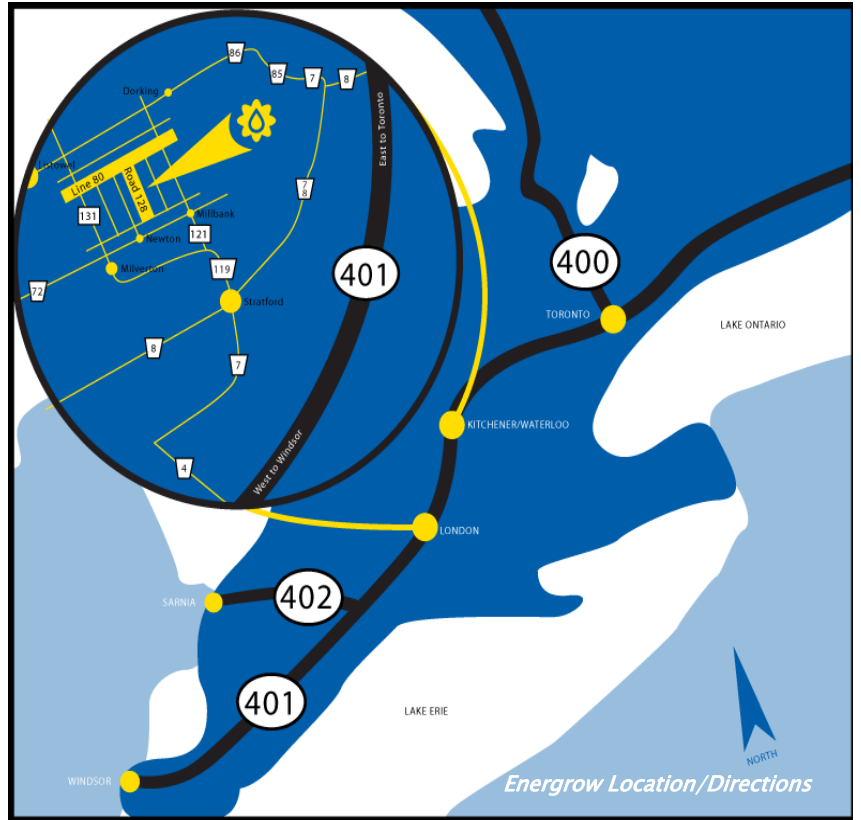
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