



ABC.....
more than an
Energy company

Atlantec BioEnergy Corporation

PO Box 129, LaHave, Nova Scotia B0R 1C0
www.atlantecbioenergy.com
info@atlantecbioenergy.com
1-866-720-2338 (BEET)

The ABC Design

BIOENERGY PLANT

- 1 Neutral for water
- 2 Neutral for thermal heat
- 3 Neutral for electricity
- 4 Neutral for crop nutrients
- 5 No waste stream from the plant
- 6 World leading technology
- 7 Next generation of biofuel

At Atlantec BioEnergy, we are very excited about the innovative design merits of our project and the significant advantages over typical corn/grain ethanol facilities.

Atlantec has improved upon traditional ethanol plant designs by using a modular bio-refinery approach.

- Our approach minimizes our environmental footprint, energy requirements, and water usage, while maximizing profits.
- Atlantec's 'energy beet to ethanol' bio-refinery process features an innovative integrated design of proven technologies.
- This, first in the world design configuration, will result in a net-energy neutral and process water neutral facility, while producing ethanol, electricity, and a liquid fertilizer byproduct specifically optimized for feedstock growing conditions.
- Using energy beets as our feedstock benefits both farmers mandated to rotate traditional crops, or farmers concerned about the sustainability of their soils.
- Farming energy beets provides an additional cash-crop to farmers, while helping the soil retain essential nutrients.
- Farmers will also generate additional cash by providing clover, barley, and rye crops for our energy production, in non energy beet years.
- Atlantec's modular design is a cost competitive, small-scale ethanol bio-refinery capable of using multiple feed-stocks.
- It can be replicated across the country and situated close to suitable feedstock sources.
- This reduces our GHG emissions and our environmental footprint compared to corn or grain ethanol facilities.
- This modular design can be expanded to other bioenergy products, such as bio diesel and butanol.
- Modular plant design adaptable to small markets
- Modular plant design expandable to different bio-fuels including cellulosic ethanol.



*"BioEnergy.....It's as
Simple as ABC!"*

News Flash!!!!.....The Federal Government Agency SDTC announces funding to assist ABC with project development in Maritime Canada. Read more at www.sdtc.ca.

Why Energy Beets?

75% water, 16% sucrose, 5.5% pulp, nitrate mopping potential

*"You Can't BEET
Farmers Growing Your
Fuel!"*



Beets are an established crop known to farmers worldwide. Energy beets contain approximately 75% water, 5.5% pulp, and sucrose. (By comparison, corn contains 15.5% water.) In North America, average energy beet crop yields are 22.7 MT/acre with 16% sucrose content. The results from the 40 acres of energy beets which were grown as a test crop in 2007 showed that Maritime farmers can meet or exceed the average North American numbers.

It is important to note that to grow a successful energy beet crop (high in sucrose content), the energy beet plant cannot be over nitrated. Over nitrating causes the plant to become lazy and not create any sugars. Fields must be tested for their soil nitrate level and then only the proper amount of nitrogen can be applied to ensure proper plant growth and sugar production.

The energy beet plant also has the capability of "mopping up" soil nitrates which have remained in the soil from a previous crop. In fact, the University of Oregon has done considerable research on the use of energy beets as a crop to follow potato and onion crops as a control for residual soil nitrates.

The Growing Year Ahead.

In the coming months, ABC will host a variety of events to further inform the Nova Scotia farm community on the growing of energy beets.

- August.** Grower Field Days held.
- August.** Grower contracts available for review.
- September.** Land prep begins for the 2009 year.
- September.** Session 1 of a Beet Growing School.
- August-September.** Winter Beet trials planted.
- October-November** Harvesting Field Days held.
- October.** Session 1 of a Grower Mentoring Program.
- November.** All 2009 grower contracts signed.
- November.** Session 2 of Beet Growing School.
- January.** Session 2 of a Grower Mentoring Program.
- February.** Session 3 of Grower Beet School.
- March.** Training School held for planter operators.
- April.** Session 3 of a Grower Mentoring Program.
- April - May.** 2009 Planting Begins!

The ABC Team

Paul Wheaton

Chairman
1-717-898-0800

Gary Malone

General Manager
1-902-527-3674

Ron Coles

Manager of Comm. & Public Relations
1-902-393-3825

Wayne Simmons

Manager of Engineering
1-902-626-1985

Lise LeBlanc

LP Consulting, Soil & Crop Consultant
1-902-792-2636

Steve Libsack

Betaseed National Marketing Director
Manager
1-800-428-8455

Tim Fisher

Truro Agromart, Nutrient Consultant
1-902-895-2857

Kevin Shiell

CESAB, Biotechnology Consultant
1-506-475-4029