



*For A Greener Tomorrow!*

**Better for the Environment,  
Less Greenhouse Gas, B-100 is Biodegradable**

- Less SOx (sulphur) "Acid Rain"
- Less CO2 "Global Warming"
- Less NOx "Smog".

**B-100 comes from American farms**

- Producing fuels domestically improves our energy security & expands our farmers markets
- Made from soybean oil or other feed stocks such as corn

**Increases lubricity of fuel by 66%**

- Extends the life of your equipment & burns cleaner

**No harmful effects  
to existing heating equipment**

**BIOHEAT fuel is cleaner  
with almost exactly the same BTU output**

- Helps maintain cleaner heat exchangers, extending the life of the heating system

**Cold flow characteristics almost the same**

**B-100 is a renewable energy source**

**Our suppliers of BIOHEAT fuel  
are BQ9000 certified**



## **BIOHEAT FUEL** **For the Future of Our Environment & Farming**

### **Why Use BIOHEAT FUEL for Home Heating?**

**There are a number of important reasons for our country to be using fuels with B-100, Biofuels.**

*Producing and using B-100 is much better for the environment than burning fossil fuels. B-100 fuels produce fewer harmful emissions during production and combustion and they contribute virtually no carbon dioxide to the atmosphere, which is very important for reducing the build up of greenhouse gases.*

*Perhaps the most debated reason is that no one knows how long our world's petroleum resources will last. But we do know that petroleum is finite, and when the supply has been depleted we must have alternatives ready to keep our country moving forward. B-100 is made from renewable sources. Developing the technology to produce it now will ensure an ample supply of transportation and space heating fuel in the future, and provide assurance against the uncertainty surrounding the petroleum resource timeline.*

*There are a number of benefits to using biofuels. First, B-100 is produced domestically, and the feedstocks for it are grown domestically. This helps reduce our country's trade deficit and creates jobs in our country, both of which are good for our economy. Our agricultural community especially stands to benefit, since B-100 is made from crops & agricultural residues, providing options for new valuable crops and new uses for existing crops & residues.*

*Producing our fuels domestically also improves our energy security; we become less dependent on the strategic, political, and economic whims of other countries. And with continued Middle East turmoil it is important to remember how vulnerable we are, and how heavy our reliance is, on imported oil. Key among the reasons for rising oil imports is the limited domestic resource base of crude oil.*

### **Commonly Asked Questions:**

**What is B-100 (Biofuel)?** B-100 is a clean burning alternative fuel produced from vegetable oils and animal fats through a chemical reaction and meeting ASTM D 6751. B-100 contains no petroleum, but it can be blended at any level with heating oil. It can be used in home heating oil systems safely with no modifications to the fuel tanks, pumps or burners in concentrations up to 20% B-100 with only minimal precautions. For higher blends than 20% B-100, special precautions are needed. Pure biofuel is also referred to as B100. In the transportation fuel market where ASTM D 975 is the standard for petroleum-based diesel, biofuel blends are designated 'BXX', where XX is the volume percent of biofuel meeting ASTM D 6751 with conventional petrofuel. The heating oil market is focusing on Bioheat, which is a 2 to 20% blend of B-100 with heating oil.

**What is Bioheat fuel?** Bioheat fuel is the industry-accepted term for any blend of pure B-100 with conventional high or low sulfur home heating oil. The heating oil must meet its specification, ASTM D 396 and the B-100 must meet its ASTM specification, ASTM D 6751, before blending them together. Rice Bioheat meets both of these specifications.

**Is BioHeat fuel the same as Biodiesel, or visa versa?** NO. Bioheat fuel is conventional heating oil containing B-100. Biodiesel is diesel fuel containing B-100. Some companies use the term Biodiesel to refer to pure B-100 as well.

**Is my oil tank compatible with BioHeat fuel?** All known oil tanks and systems are compatible with Bioheat blends of 20% or less. For higher blends, up to and including 100% B-100, compatibility will depend on the materials in your tanks, pumps and fuel lines.

**Does the use of BioHeat fuel void my heating oil system warranty?** To date, no manufacturers have written position statements applicable to Bioheat fuel. However, over 40 million miles of trouble free experiences with up to B20 blends in the on road market provide a level of confidence that there should be few or no issues with equipment if the B-100 concentration is at the 20% or lower level.

*For more in depth questions and answers about BIOHEAT fuel, visit our website: [www.RiceEnergy.net](http://www.RiceEnergy.net)*

*Rice Energy  
is excited to introduce  
our newest product,  
BIOHEAT HEATING OIL*

Our **BIOHEAT** heating oil will replace our conventional heating oil immediately. There are numerous benefits to **BIOHEAT** heating oil, more important, there is no added cost to you!

Some of the benefits of **BIOHEAT fuel** are:

**BIOHEAT** fuel is a cleaner fuel, produced from renewable resources.

**BIOHEAT** fuel reduces the amount of carbon monoxide and sulfur dioxide emitted into the atmosphere.

**BIOHEAT** fuel reduces our dependence on foreign oil.

**BIOHEAT** fuel is more efficient, reducing the amount of soot buildup in boilers and furnaces.

**BIOHEAT** fuel provides a higher level of lubricity, helping to reduce the wear on your heating system.

**BIOHEAT** fuel will be offered under all of the same purchase plans you have come to expect from the Rice Companies. At a time when fuel prices are at such high levels, we want to assure our customers that we are committed to bringing you those products and services that will allow you to heat your home as efficiently as possible. With **BIOHEAT** fuel, we can help you do that and at the same time work to reduce our country's dependence on foreign oil and help our environment.

*As always, we will continue to be the first to bring you the best.*



*Included FREE in  
Every Gallon We Deliver*



**Call Us Today  
For a Greener Tomorrow!**



**TOLL FREE 800 RICE-OIL**

34 Montague City Rd., Greenfield 413 773-3693  
30 Conway St., Shelburne Falls 413 625-6470  
90 New Athol Road, Orange 978 544-2386

**[www.RiceEnergy.net](http://www.RiceEnergy.net)**

*First To Bring  
You The Best!*



**cleaner, healthier  
better for your home**

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