

Welcome to Earth Day, 2008!

“Sustainable Living: Healthy Planet, Healthy People”



We each hold the world in our hands! That responsibility is huge!

“Biodiesel is the most promising fuel for renewable energy.”

President Bush at the Washington International Renewable Energy Conference, March 3, 2008.



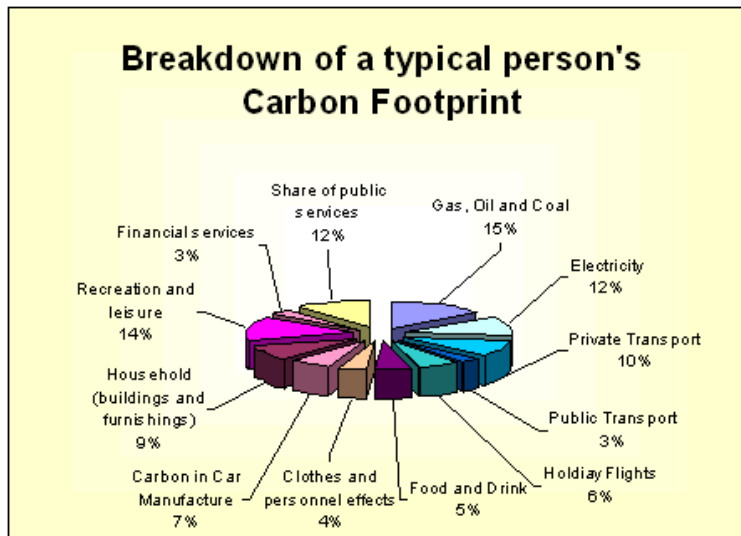
Make sure your biodiesel is US produced!

What is your Carbon Footprint?

A carbon footprint is a “measure of the impact human activities have on the environment in terms of the amount of greenhouse gases produced, measured in units of carbon dioxide.” It is meant to help you conceptualize your impact on global warming.

An alternative definition of the carbon footprint is the total amount of carbon dioxide attributable to the actions of one person over a period of one year. The pie chart below shows the main elements which make up the total of an average person’s carbon footprint.

(continued below)



Courtesy of carbonfootprint.com.

A Carbon Footprint is made up of the sum of two parts, the direct/primary footprint and the indirect/secondary footprint.

The primary footprint is a measure of our direct emissions of CO₂ from the burning of fossil fuels including domestic energy consumption and transportation.

The secondary footprint is the effect as a result of the primary footprint. This can be efficiently and effectively reduced by employing several steps. First,

accurately determine your current carbon footprint. ID hot spots of energy consumption and associated CO₂ emissions. Optimize energy efficiency where you can, and find solutions aimed at reducing CO₂ emissions, such as using biofuels or tree planting activities.

There are several sites where you can go to learn more and calculate your footprint: www.carbonfootprint.com www.conservation.org

What Biodiesel is and what it isn't...

There are two big challenges facing us right now: high energy prices and the need to curb climate change. Biodiesel is a big part of our nation’s plan to attack both of these challenges.

Biodiesels are fuels produced from vegetable oils or animal fats. Biodiesels behave essentially in the same way that petroleum (fossil) fuels behave when used for heating homes or to power diesel engines. In fact, biodiesels are **processed and refined** specifically for these purposes. But, they are environmentally friendly and are renewable!

Biodiesel is NOT ethanol (an alcohol made from corn). Biodiesel is NOT yellow grease that has been filtered or had other compounds added to it. Such ‘renegade fuels’ do not meet ASTM standards for use as fuel.

Biodiesel (Methyl Esters) is an ASTM certified diesel fuel.

Be Green, Save Green.

Turning down the thermostat one degree in the winter can save you 1% - 3% on your heating bill. Drying clothes on a line or rack can **save you \$80** in a year, increasing to more than \$500 over five years. Replacing 10 regular light bulbs in your home with compact fluorescent lights (CFLs) would net you **savings of \$92 in one year.**

If everyone using heating oil used a B5 BioHeat blend (5% biodiesel with 95% heating oil), **400 million gallons of regular heating oil could be conserved.** This would be a big step towards **conserving oil and reducing greenhouse gas emissions.**

Biodiesels are good for us & our world.

Biodiesel blended to make **BioHeat** (for home heating) and **BioDiesel** (for transportation) is the fastest-growing alternative, renewable energy in the US today.

BioHeat

How can homeowners in New England add eco-sense to their home-heating equations, and make a good change without compromising comfort and budget? Those with oil heat can make a simple change to BioHeat fuel. BioHeat fuel is a blend of biodiesel (generally made from soybean or other oils) which is renewable, biodegradable and organic, then blended with heating oil.

BioHeat fuel:

- Reduces toxic emissions and greenhouse gases.
- Reduces our dependence on foreign oil.
- Extends the life of your heating system (it has cleaning and lubricating properties).

all without making an investment in new heating equipment.

The Central Atlantic and New England states use approximately 75% of the heating oil burned annually in

the U.S. By replacing 20% of those fossil fuels with renewable, American-produced BioHeat, we could **reduce our nation's total heating oil consumption by 15%, or an astonishing 22.5 billion barrels annually!**

BioDiesel

BioDiesel fuel blend from **Guardian Fuel** babies your diesel engine with superior lubricity for longer engine life, quiet idle, improved power under load, and improved mileage.

BioDiesel is made from American grown, natural renewable and biodegradable oil to reduce air and water pollution, and help ensure a cleaner future for our children.

BioDiesel improves lubricity of ULSD. You get your work done with no smoke!

- 60-70% improved emissions
- No more big black smoke plumes

For more information, contact Guardian Fuel or go to our website at:

www.guardianfuel.com

Sustainability is....

You have choices that can make a difference in sustainability for us and the earth. These can include:

- Buy energy efficient products
- Buy local
- Calculate then reduce your carbon footprint
- Carpool
- Choose your personal vehicle wisely
- Heat with BioHeat
- Power down
- Use CFLs
- Tell your computer to sleep when not in use
- Turn off lights when leaving rooms
- Buy office supplies that contain recycled, non-toxic materials
- Conserve water
- Don't dump down the drain
- Manage waste properly
- Recycle
- Refill, don't landfill
- Scan instead of photocopying
- Use recycled paper
- Buy fair trade and organic

and many more, but this can be a start.

