



Soy-based Biodiesel FACTS *from the Soybean Checkoff*

- ✓ 1.5 gallons of biodiesel are made from 1 bushel of soybeans.
- ✓ Easy to use...splash blend without necessary engine modifications.
- ✓ Biodiesel increases lubricity when added to conventional diesel.
- ✓ Follow #2 diesel fuel guidelines for cold weather applications.
- ✓ The **ONLY** alternative fuel that has completed the EPA's Tier I and Tier II Health Effects testing. Tier I tested biodiesel's significant reductions in most regulated and unregulated emissions. Tier II testing demonstrated biodiesel's non-toxic effect on health.
- ✓ ASTM (American Society of Testing and Materials) has issued fuel standard specifications for biodiesel (D6751).
- ✓ For every unit of energy needed to produce biodiesel, 3.2 units of energy are gained (the highest energy balance of any fuel)!
- ✓ Americans use 55 billion gallons of diesel fuel each year. By replacing just 1% of that petroleum diesel with homegrown soy biodiesel, we would utilize 366 million bushels of U.S. soybeans (more than 5 times Michigan's annual soybean production)!

Soy-based Biodiesel FACTS (cont.) *from the Soybean Checkoff*

- ✓ In 1999, 500,000 gallons of biodiesel were used. 2002 estimates indicate 25 million gallons (or the oil from 16.7 million bushels of soybeans) will be utilized. That is about 1/4 Michigan's annual soybean production!
- ✓ Estimations are that over 40 million miles have been driven on biodiesel.
- ✓ A USDA study indicates 1) 200 million gallons of increased annual soybean oil demand would increase total crop cash receipts by \$5.2 billion by 2010, 2) net farm income would increase by \$300 million per year, and 3) the price for a bushel of soybeans would rise by an average of 17 cents annually during the 10-year period.
- ✓ By using B20, Michigan's diesel powered yellow school buses alone would utilize the oil from nearly 5 million bushels of soybeans. This does not take into account the many other potential users such as regulated fleets, mass transit buses, diesel trucks and cars, tractors and other heavy duty equipment as well as semis.
- ✓ **Michigan suppliers of biodiesel are available at www.michigansoybean.org.**
- ✓ **Check out www.biodiesel.org for all the facts on biodiesel.**
- ✓ *This FACT card on biodiesel was produced by the Michigan Soybean Checkoff.*

