Biodiesel is a diesel alternative fuel derived from biological sources that meets the specifications of ASTM D6751. Plant oils such as soy are the largest source. Most biodiesel blends can be used in many unmodified diesel vehicles, providing a wealth of advantages:

- Environmentally friendly fuel alternative
- Safe and non-toxic
- Improved fuel lubricity
- Reduced particulate emissions and smoke
- Reduced fossil fuel demand
- Increased demand for soybeans and other oilseeds

Biodiesel has been thoroughly tested and shown to perform similarly to diesel in virtually all types of diesel engines. Recommended biodiesel blends can be used in most Case IH equipment with little impact on operating performance.

For more information on biodiesel use, consult your Case IH dealer. Or visit the Case IH Web site at www.caseih.com and select Products. Look for the “Biodiesel Ready” logo on individual product pages to find biodiesel guidelines.

“...the use of vegetable oils or engine fuels may seem insignificant today, but such oils may become, in the course of time, as important as petroleum...”

- Rudolf Diesel, 1912
Biodiesel offers Case IH owners an affordable alternative fuel. Switching from petrodiesel fuel to biodiesel blends is easy, while switching to pure biodiesel requires a bit more effort and greater attention to service and maintenance. Biodiesel is manufactured through a chemical reaction of alcohol and vegetable or animal fats, oils or greases. After refining, the resulting biodiesel fuel can be used in diesel engines, either in pure form or blended with petrodiesel at any percentage level.

For Case IH engines, most commonly recommended blends are between B5 to B20. A B20 blend means that it is 20 percent biodiesel and 80 percent petroleum diesel. (B100 is 100 percent biodiesel.) The National Biodiesel Board (NBB) recommends B20 as the optimal blend for emission benefits and performance. Use of biodiesel also helps cut air pollution by reducing particulate matter, carbon monoxide, total hydrocarbons, sulfur emissions and aromatics.

Some studies have suggested that biodiesel’s superior lubricity can reduce engine wear and extend engine life.

Because biodiesel and biodiesel blends have excellent cleaning properties, they can dissolve sediments left in the fuel system from years of petrodiesel use. Users should plan to change fuel filters more frequently when first using biodiesel or biodiesel blends. After a time, the whole system will be cleaned of the petrodiesel sediments, and filter changes can return to normal intervals.

**Case IH recommends pre-blends** over on-farm blending, which can result in an inhomogeneous mixture. Make sure your biodiesel blend supplier provides a homogeneous product and uses only ASTM D6751 grade biodiesel to make the blend. If possible, Case IH recommends that you purchase your biodiesel blend from a BQ-9000 approved biodiesel supplier who uses only ASTM D6751 grade biodiesel. See the National Biodiesel Board Web site at www.biodiesel.org for a list of BQ-9000 approved suppliers.

**Recommendations for transitioning to biodiesel blends:**
- Tanks should be clean and free of sediment and water
- Use an biocide and add a fuel filter and water separators on your primary storage tank
- Avoid copper, brass, lead, tin and zinc in tanks and fittings
- Replace natural rubber fittings with modern synthetics on older (pre-1992) engines
- Avoid storing biodiesel blends in tanks or equipment for longer than three months
- Perform regularly scheduled maintenance as recommended in your Case IH engine’s operation and maintenance manual for the biodiesel blend you are using

For more information on these recommendations visit the Case IH Web site at www.caseih.com and click on the “Biodiesel Ready” logo on individual product pages.

Case IH fully supports the use of B5 blends in all Case IH agricultural equipment engines, as well as B20 in more than 90 percent of the models now sold in Europe and North America. Nearly half of the Case IH models sold globally are approved, following proper protocols, for B100.

Biodiesel used in Case IH engines must meet the requirements of U.S. standard ASTM D6751 or European standard EN 14214. When using blends greater than B5 (B6-B100), certain handling and maintenance requirements come into play.

Your local Case IH dealer has all the details on technical requirements for biodiesel use and can tell you which blends are approved for your equipment. Or visit the Case IH Web site at www.caseih.com and select individual product pages to find biodiesel guidelines.

Case IH is committed to working with its partners to push toward higher-level biodiesel that will be a compatible fuel source in future low-emissions compliant engines. Case IH continues aggressive field tests to evaluate performance with B100 on those engines not yet approved.