

Matt Beach, Agricultural Systems Management

Year in School: Junior
Faculty Mentor: Dr. Leon Schumacher, Agricultural Engineering
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Lubricity testing with biodiesel blends

The number 1 diesel fuel needed for testing that met a certain viscosity and sulfur content was secured. The fuel was then mixed with biodiesel on two, three, four, five, and six percent blends. The fuel was tested using ASTM D-6078 standards with an SLBOCLE machine in conjunction with the Chemical Engineering Department at the University of Missouri. B-5 and B-6 blends met the standards set forth in ASTM D-6078.