John Deere 2026 B30 Field Demonstration

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John Deere Announces B30 Biodiesel Compatibility Across Engine Portfolio

- B30 biodiesel now approved for use in all Tier 4 John Deere Power Systems engines
- Announcement supports John Deere's commitment to advancing renewable fuels

MOLINE, Illinois (August 26, 2025) — Today, John Deere (NYSE: DE) announced the approval of B30 biodiesel use across its entire portfolio of Tier 4 John Deere engines. This increases the previous approval of blends up to B20. The announcement will also be highlighted this week at the 2025 Farm Progress Show in Decatur, IL, where all John Deere equipment operated in the company's Ride and Drive area will run on B30 biodiesel.

"At John Deere, we're committed to supporting and growing the use of renewable fuels in our equipment," said Pierre Guyot, Senior Vice President of John Deere Power Systems. "We believe strongly in the role that renewable fuels play in supporting the agriculture economy and are excited to offer our customers – including those who grow the very crops used to make renewable fuels – the opportunity to leverage higher blends of fuels like biodiesel in their own equipment."

John Deere has a long history of supporting renewable fuel use in its equipment. Prior to today's announcement, all Tier 4 John Deere engines were approved for B20 biodiesel and RD100 renewable diesel, with all Tier 3/Stage III A and lower tier engines approved for biodiesel blends up to B100. In addition, all John Deere spark ignition turf and utility equipment is approved for E10 ethanol blend. John Deere is also exploring the use of higher ethanol blends in future engine solutions, including the development of a concept 9.0L ethanol engine that runs on E98. Customers interested in incorporating higher renewable fuel blends including B30 into their operations are encouraged to consult their fuel supplier.

How can biodiesel be used in John Deere diesel equipment

Compatibility depends on emissions tier, region, fuel standard and the specific Operator's Manual.

B30	**Interim Tier 4 & Final Tier 4 JDPS Engines**	Approved across the entire John Deere Power Systems portfolio in North America.
B100	**Tier 3 & Lower**	Biodiesel blends up to B100 are approved, subject to regional requirements and the Operator's Manual.
RD100	**All Engine Tiers**	Renewable diesel may be blended or used at 100% when it meets ASTM D975, EN 590 or EN 15940.
B20	**Interim Tier 4 & Tier 4 Non-JDPS Engines**	Most other OEMs limit biodiesel to 20%



B30 compatibility will be represented in Operator's Manuals starting in MY2027.

Reference Deere.com/RenewableFuels for the latest compatibility details.

Partnership between John Deere, Clean Fuels Alliance America and FS Growmark

- Goals
  - Demonstrate effectiveness of B30 in Deere equipment
  - Three-month demonstration period
  - Track operational conditions of the fleet
  - Provide full warranty coverage for any fuel system related fault
  - Identify at least 20 - T4 machines in Illinois and Iowa



JOHN DEERE

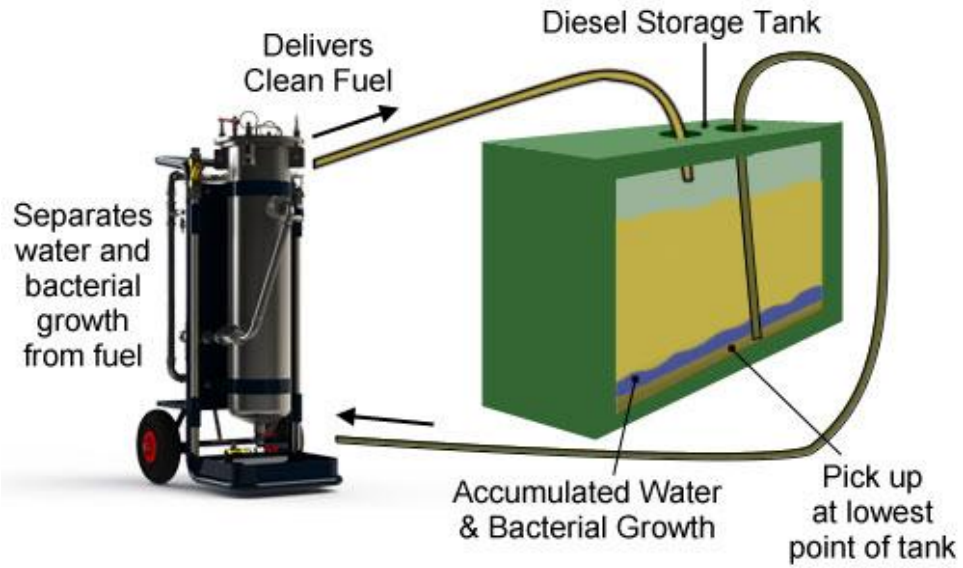
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On Farm Preparations

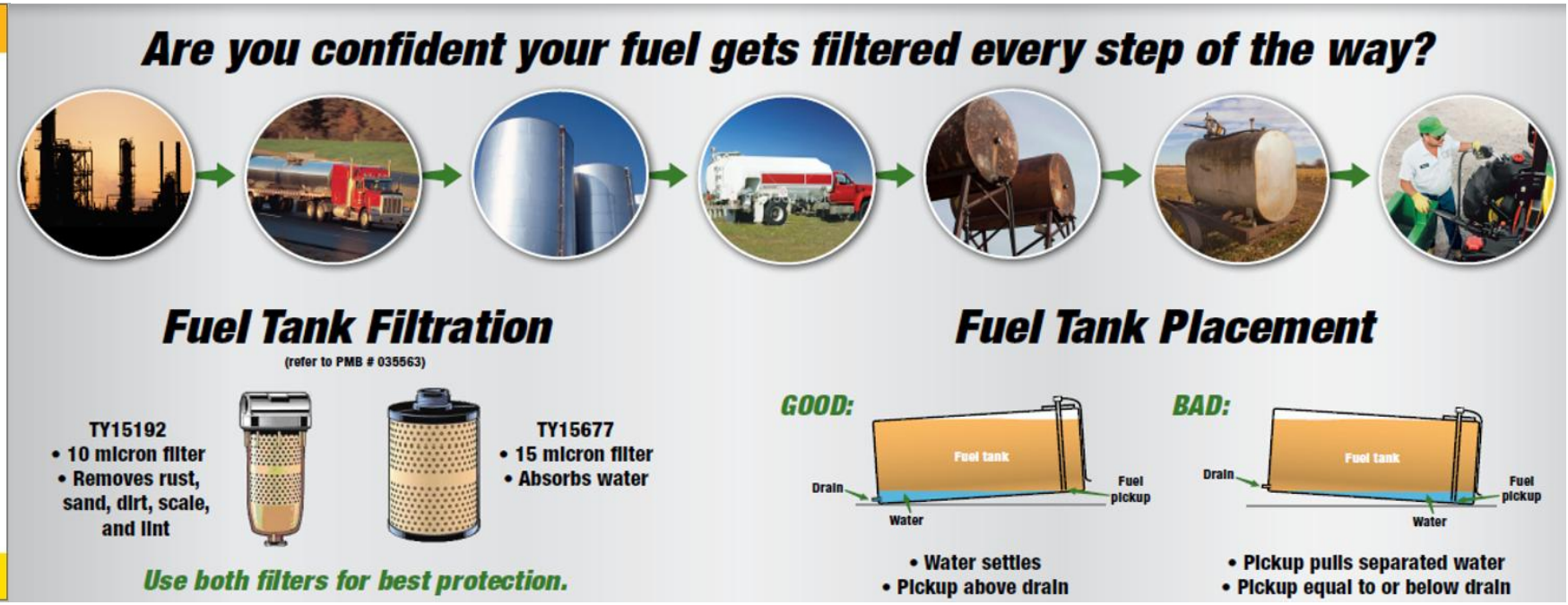
- Contracts were signed with each customer documenting the deliverables and expectations from each customer as well as define additional coverage for each machines provided by Deere
- Customers were partnered with Growmark FS fuel distributors in their area
- Distributors inspected and cleaned onsite fuel storage tanks where needed
- Spare fuel filters were made available to each customer
- Distributors tracked the fuel delivered to the farms and drained any residual water prior to fills





Biodiesel Considerations





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- Fuel storage – clean, cool, dry
- Equipment fuel system
- Environmental impacts
- Fuel price

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Recap of results

- During this program, the farms consumed a combined total of 46,795 gallons of B30 fuel
- Customers did not recognize reductions in power or increased fuel usage
- One customer had a single machine that initially plugged a fuel filter
- Comments were all positive and they look forward to continued use





Best Fuel Handling Practices
Published by Clean Fuels Alliance America

USE QUALITY FUEL
Purchase biodiesel from reputable suppliers and ensure it meets ASTM specifications (D6751 for B100 and applicable blend standards).

REQUEST AND REVIEW THE COA
Always obtain a Certificate of Analysis (COA) and verify the fuel meets required specifications before accepting delivery.

PREFER BQ-9000® SUPPLIERS
Source fuel from BQ-9000 accredited producers and marketers to help ensure consistent fuel quality.

KEEP FUEL CLEAN AND DRY
The most important storage practice is preventing water and contamination from entering fuel systems.

INSPECT STORAGE TANKS REGULARLY
Check tanks for water, sediment, sludge, leaks, and microbial growth before new fuel deliveries.

USE PROPER FILTRATION
Install dispensing filters, preferably 10-micron and water-absorbing filters, to remove contaminants and moisture.

REMOVE WATER IMMEDIATELY
Drain water bottoms and sediment promptly, as free water promotes corrosion, fuel degradation and microbial growth.

MANAGE MICROBIAL CONTAMINATION
Treat active contamination with approved biocides when necessary, but do not use biocides as a routine preventive measure.

PREPARE FOR COLD WEATHER
Monitor cloud point and pour point, use seasonally appropriate fuel and store equipment properly to prevent gelling.

MONITOR FILTERS DURING TRANSITION TO B30
Biodiesel can clean existing tank deposits, which may initially plug filters and require more frequent filter changes.

Biodiesel Handling Guidelines - Clean Fuels Alliance America



Thank you for your attention!!

Questions?