



# PROPANE-POWERED IRRIGATION ENGINES

## YOUR ADVANTAGE IN THE FIELD

**ACROSS THE** United States, thousands of farmers enjoy the benefits of irrigating with propane-powered engines. In addition to outstanding performance, they know propane-powered irrigation engines are clean, reliable, and cost-effective, particularly when compared with diesel-fueled engines. It's a decision that's good for the bottom line and good for the environment.

### A CLEAN FUEL

Research from the Gas Technology Institute shows that propane-powered irrigation engines produce up to 8 percent fewer greenhouse gas emissions than diesel models. And propane produces 18 percent fewer greenhouse gas emissions than gasoline engines. It is a clean fuel, that will help keep your engine clean, too. Fewer deposits on engine components can contribute to a longer engine life with fewer maintenance issues. And because propane is a nontoxic gas, there's no need for an EPA spill prevention plan. With propane-powered irrigation engines, you can be confident that you're keeping up with environmental regulations. EPA- and CARB-certified models are available for sale in all 50 states.

### PERFORMANCE YOU CAN COUNT ON

Today's EPA- and CARB-certified propane-powered engines have been designed and built from the ground up by leading engine manufacturers. They are engineered specifically to run on propane, so you get consistent power that's available when and where you need it. And because propane is portable and operates on an independent system, you don't have to worry about grid-related power interruptions or gas line fluctuations.

### A GROWING TREND

The use of propane-powered irrigation engines is on the rise. In 2013, 13,444 irrigation pumps on 6,204 farms used propane to irrigate 1.1 million acres. From 2008 to 2013, 25 percent more farms added propane-powered irrigation engines.



Propane also stores exceptionally well, so there's no need to drain tanks or stabilize your fuel from one season to the next. Plus, with the nature of the delivery and storage infrastructure, fuel theft is of little to no concern. Your propane provider will work with you to set up a fueling schedule that ensures your tank is always full.

### EFFICIENCY AND AFFORDABILITY

When you look at the benefits of propane, the cost advantages make it a smart business decision. New propane-powered engines typically cost 20 to 40 percent less than diesel engines for comparable power. When you factor in the Propane Farm Incentive Program or other available local incentives, the upfront costs are even less.

Once you start operating your propane-powered irrigation engine, the savings continue to add up. Most farmers save 40 percent or more compared with a diesel-fueled engine doing the same job. And compared with natural gas, a propane-powered engine provides 10 percent more horsepower per unit — that's more power for your money.

### THE LATEST TECHNOLOGY

Propane-powered irrigation engines include the latest technological advancements and features, making them a great choice for farming operations. These high-performing engines can provide up to 300 horsepower of continuous power. Beyond the engines themselves, remote monitoring and operating systems are also available to help producers better manage their operations.




## WHAT FARMERS ARE SAYING

Results from the 2014 Propane Farm Incentive Program found that farmers are experiencing major advantages with their new propane-powered engines:

**23%** 

**higher performance** than previously owned propane-powered engines

**28%** 

**higher performance** than previously owned diesel engines

**50%** 

**reduced energy cost per hour** than previously owned diesel engines

### TALK TO YOUR EQUIPMENT DEALER AND PROPANE PROVIDER

Your equipment dealer is a great resource to learn more about propane-powered irrigation engines. They can discuss the benefits of propane, help decide which engine is right for you, and connect you with a propane provider. You can also contact your local propane provider directly to start the conversation about propane-powered equipment.

#### FOR MORE INFORMATION

Learn about all of the uses of propane for agriculture at [PropaneCanDoThat.com](http://PropaneCanDoThat.com).

**THE PROPANE EDUCATION & RESEARCH COUNCIL** was authorized by the U.S. Congress with the passage of Public Law 104-284, the Propane Education and Research Act (PERA), signed into law on October 11, 1996. The mission of the Propane Education & Research Council is to promote the safe, efficient use of odorized propane gas as a preferred energy source.

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