

The Pioneer Difference ...

Product characterization... *We know our products and their end-use functionality. Pioneer has the most extensive dry-grind ethanol corn product characterization effort in the industry.*

Product yield and agronomic performance... *Because Pioneer's seed products are performance leaders, growers are more likely to participate in origination programs.*

Market footprint... *Pioneer products are widely produced, making it easier to source large volumes of grain with consistent quality.*

Seed Distribution Traceability... *Pioneer's unique seed distribution network facilitates tracking of grain availability and quality control.*

Grower relationships... *Pioneer's tradition of service and strong grower relationships allows us to efficiently link end-use customer needs with quality-oriented growers.*

Research commitment... *With the most aggressive end-use product development research engine in the industry, you can be sure that Pioneer is committed to providing seed products growers want to plant, and grain that end users value.*



PIONEER
A DUPONT BUSINESS

Science with Service
Delivering Success™

RELATED WEBSITES:

American Coalition for Ethanol
www.ethanol.org

Ethanol Promotion and Information Council
www.drivingethanol.org

National Corn Growers Association — Ethanol Information
www.ncga.com/ethanol/main/index.htm

Renewable Fuels Association
www.ethanolrfa.org



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All hybrids containing Herculex® also contain the LibertyLink® gene.



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DRY-GRIND ETHANOL

Pioneer® brand HTF Ethanol Hybrids



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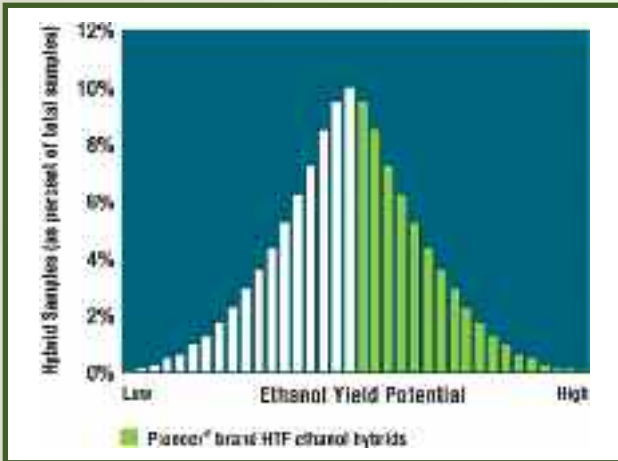
MAXIMIZING YIELDS FROM YOUR FIELDS

As demand for renewable fuels grows, increasing productivity is essential at every step in the biofuels value chain. Pioneer is combining more than 80 years of corn breeding expertise with accelerated technologies to increase grain and ethanol yields for today's growers and processors.

PIONEER® BRAND HIGH TOTAL FERMENTABLE (HTF) ETHANOL HYBRIDS

Extensive Pioneer research shows there can be up to a 7 percent variation in ethanol yield potential (EYP) among different corn hybrids. To identify hybrids best suited for ethanol, Pioneer has taken the lead in characterizing its corn hybrids for their dry-grind ethanol production potential.

- Pioneer® brand hybrids with above average EYP are designated as High Total Fermentable (HTF) ethanol hybrids. These ethanol corn hybrids deliver higher levels of fermentable starch, resulting in higher ethanol output.
- Currently, more than 185 Pioneer brand ethanol hybrids are available across a wide range of maturities.



Distribution of Ethanol Yield Potential in 12,000+ loads.

IMPROVING QUALITY WITH HERCULEX® INSECT PROTECTION

Pioneer brand ethanol hybrids combined with Herculex® insect protection traits — The Better Bt® — help maximize grain yields and quality by:

- Reducing insect damage to the grain and plant.
- Reducing the possibility of mycotoxin presence.

These exciting technologies help ensure a more consistent supply of high quality grain for efficient ethanol production.



HIGHER ETHANOL YIELDS PER BUSHEL, EXPANDED MARKETING OPPORTUNITIES FOR YOU

To help ethanol processors and growers accurately estimate ethanol hybrid productivity, Pioneer developed the first whole-grain Near Infrared (NIR) calibration. The NIR calibration, backed by extensive data collection and testing, provides an accurate prediction of EYP for each load of grain delivered to the processor.

- Using the Pioneer QualiTrak® system helps both processors and growers understand the variation in quality of incoming grain. This system will identify the weighted ethanol yield average of all corn delivered to the processing plant and the ethanol yield average of each grower's deliveries. Using this system, processors can implement a grower feedback process.
- As a grower, you can use this information to make better hybrid decisions to improve the performance of the grain targeted to the ethanol processor.
- Providing top quality ethanol corn to processors also helps expand your grain marketing opportunities.

PARTNER WITH PIONEER

Pioneer was the first plant genetics company with a dedicated corn breeding program for end-use grain. Pioneer is committed to identifying market opportunities and selecting hybrids and varieties with the right traits for growers and processors.

Pioneer offers customized solutions to all stakeholders in crop end-use markets. From growers to processors, Pioneer provides:

- Outstanding products that are characterized for specific grain, food and feed needs.
- Extensive industry relationships, marketing services and local agronomic support.
- Enabling technologies.
- Attractive seed and crop protection finance offerings.

Make Pioneer your supply-chain partner! Talk to your local Pioneer sales professional today.

RENEWABLE RESOURCES VISION

DuPont is putting science to work across the biofuels value chain, delivering a total package of crop inputs and processing technologies. The DuPont three-part biofuels strategy includes:

- Improving existing ethanol production.
- Technology to produce cellulosic biofuels.
- Biobutanol partnership with BP and next-generation biofuels development.

The possibilities are endless ... Technology That Fuels™.