YIELD AND YIELD STABILITY

DUPONT PIONEER IS AGGRESSIVELY DEVELOPING HYBRIDS TO INCREASE YIELD AND YIELD STABILITY that would significantly increase corn productivity across a broad range of environmental conditions. These hybrids lead to corn products with top-end yield potential and more consistent performance when under various environments, including reduced nitrogen availability, soil types, and variations in weather.

R&D PIPELINE PHASE

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Several leads have been identified with improved yield and yield stability under a broad range of environmental conditions and are in early stages of development.

GROWER VALUE

INCREASE & PROTECT YIELD POTENTIAL + MANAGE INPUTS + IMPROVED SUSTAINABILITY

ANTICIPATING NEEDS / Consistent high yielding performance under a wide-range of growing conditions is a challenge for most growers. Growers want high performing products under optimum conditions, but recognize that stable performance under less than optimum conditions is equally important.

Growers experience variations in growing conditions that may occur within fields, across fields, or across years. They come in a variety of forms including drought, availability of important nutrients including nitrogen, soil type, and varying weather patterns. To meet growers’ needs for drought, we offer Pioneer® brand Optimum® AQUAMax® hybrids and is developing integrated products through the Drought II program. To complement the Drought II program, scientists are developing hybrids that offer top-end yields under all other environmental conditions in the Yield and Yield Stability program.

DELIVERING SOLUTIONS / Pioneer researchers are applying transgenic, molecular and conventional breeding as well as gene editing methods to develop products for Yield and Yield Stability. Testing locations with a variety of environments have been established across the U.S. Corn Belt to collect consistent and reliable yield data from a broad range of conditions. Field testing allows researchers to demonstrate that the Pioneer Yield & Yield Stability trait results in consistently improved yields under both optimal and more challenging environmental conditions.

Yield and Yield Stability Traits offer farmers increased productivity when combined with their current agronomic practices and furthers the Pioneer commitment to meet global grain demand in a sustainable manner.

Pioneer® brand hybrids with the Yield and Yield Stability trait will not be offered for sale or distribution until completion of field testing and applicable regulatory reviews.

Product performance in water-limited environments is variable and depends on many factors such as the severity and timing of moisture deficiency, heat stress, soil type, management practices and environmental stress as well as disease and pest pressures. All products may exhibit reduced yield under water and heat stress. Individual results may vary.

Pioneer® brand products are provided subject to the terms and conditions of purchase which are part of the labeling and purchase documents.

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