

PIONEER PREMIUM SEED TREATMENT OFFERINGS FOR 2017



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Information for Pioneer Sales Professionals – Do Not Distribute

PPST Soybean Offerings

CATEGORY	COMPONENT	BENEFITS
Biological/ Polymer	PPST 2030	Enhances plant performance and yield potential by improving early root and seedling development. Biological components incorporated into a distinctive green polymer coating to minimize dust-off and help improve seed flow through planting & seed handling equipment.
Rhizobia Inoculant/ Extender	PPST 120+	Delivers high concentration of beneficial rhizobia bacteria for soybean plants. Extender product helps prolong rhizobia life.
Fungicide	EverGol® Energy Allegiance®	Protection from seed decay caused by Phomopsis. Seed & seedling protection against seed rot and damping-off caused by Fusarium, Rhizoctonia and Pythium. Systemic control of Phytophthora.
Insecticide	Gaucho®	Protection of planted seeds and seedlings from damage caused by seedcorn maggot. Reduction in feeding damage caused by soybean aphids & overwintering bean leaf beetles.
Fungicide	ILeVO® fungicide	A novel fungicide for control of sudden death syndrome and certain soil-borne nematodes such as soybean cyst and root knot nematodes.



Product performance is variable and subject to any number of environmental, disease and pest pressures.

The information set forth in this document is based on statements made by the manufacturer(s) and not by DuPont Pioneer. Interested parties should independently determine if the information posted herein is still current or whether changes or new information is available from the manufacturer. Pioneer Premium Seed Treatment offering for soybeans is applied at a DuPont Pioneer production facility or by an independent sales representative of Pioneer. Not all sales professionals offer the services, and costs may vary. See your Pioneer sales professional for details. Seed treatment offering exclusive to DuPont Pioneer and its affiliates.



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PROTECT YOUR FIELDS WITH THE GREEN SHIELD

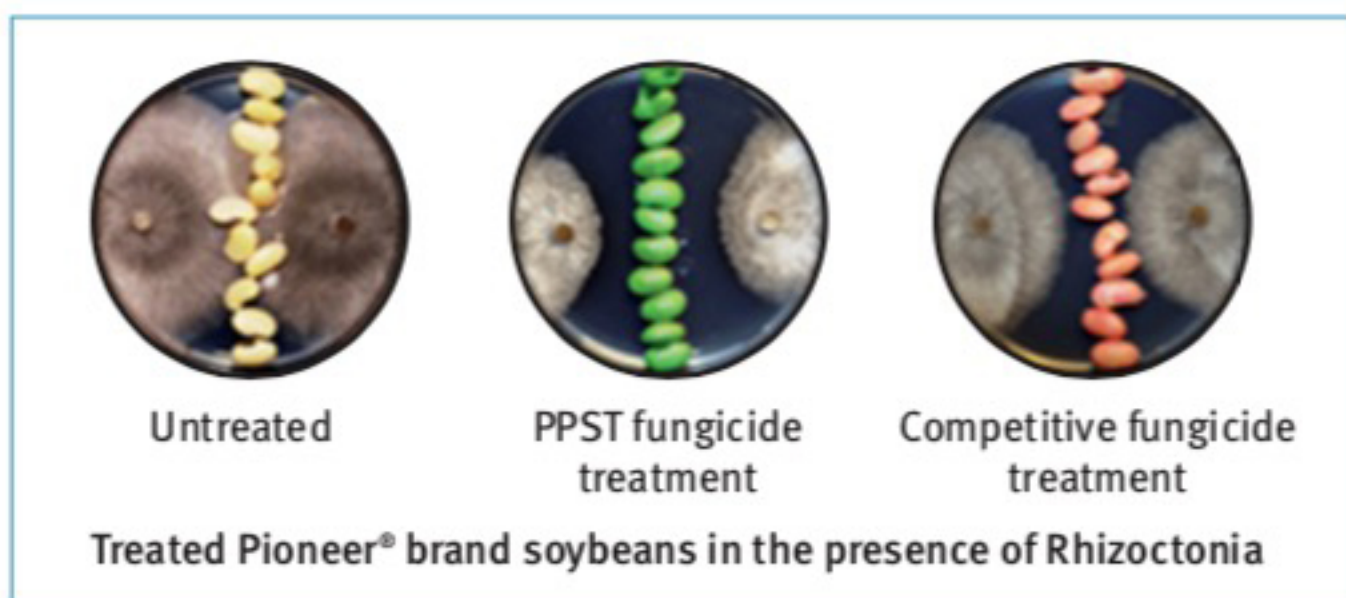


Loading your Pioneer® brand soybeans with the protection of the green shield of Pioneer Premium Seed Treatment offering (PPST) will help ensure your seed investment is well covered when it needs it most.

Best-In-Class Treatments for Enhanced Plant Health and Vigor

PPST is a combination of the best available seed treatments in the industry which are thoroughly tested and proven by DuPont Pioneer to improve plant health and vigor in Pioneer® brand soybeans.

- Best available fungicide seed treatments for protection against Pythium, Phytophthora, Fusarium and Rhizoctonia.



- PPST 120+ inoculant delivers an industry-leading load of Rhizobia (1.7 million CFUs), good on seed for 120 days.
- Insecticide seed treatment protects against early-season pressure from bean leaf beetles, seed corn maggots and soybean aphids.
- Best-in-class polymer to ensure proper singulation for every seed.
- Biologicals deliver .6 bu per acre² in Pioneer research trials.

PPST 2030 Biological Components

PPST 2030 amplifies the traditional plant growth process

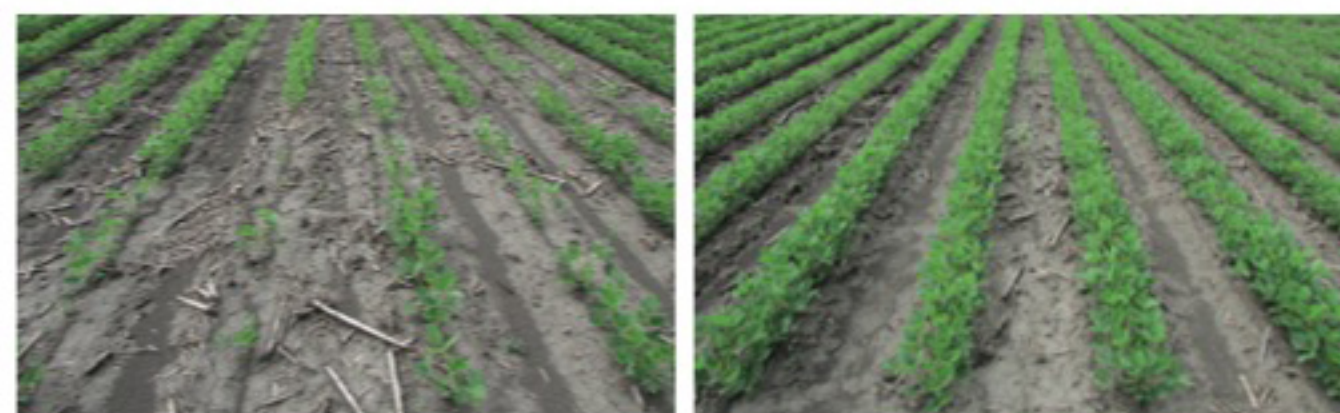
Microbials multiply in the area around the soybean seed at germination.

Microbials produce plant hormones that trigger root growth and nodulation.

Increased root growth leads to more surface area for greater nutrient uptake.



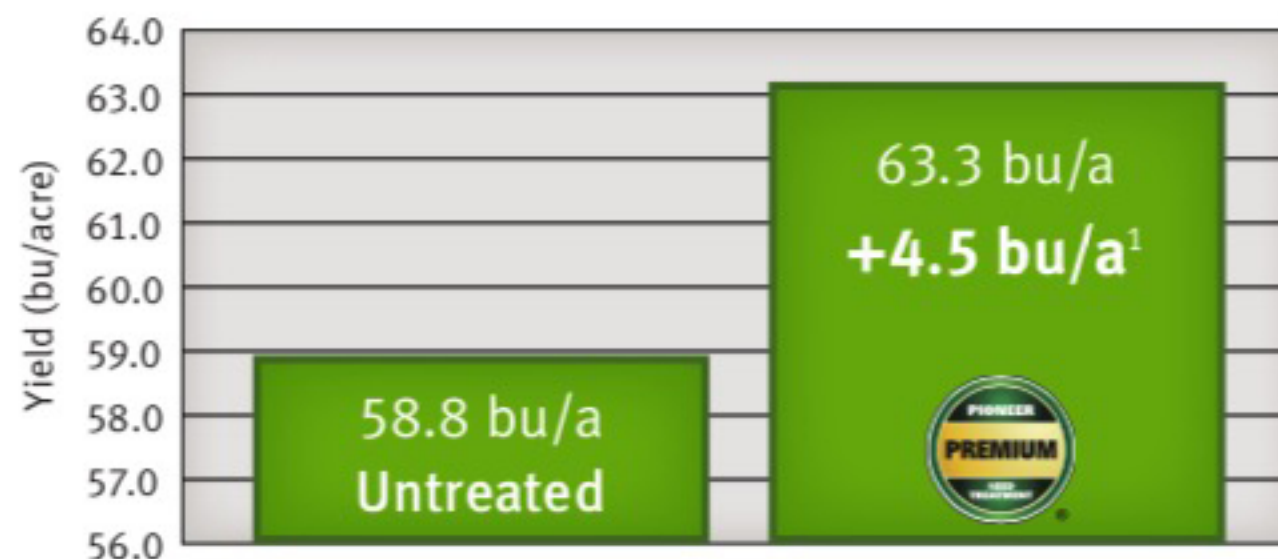
Seed and Seedling Protection When You Need It Most



- Better emergence and stands.
- Strong, healthy plants help ward off early-season insect and disease issues.
- Helps growers planting earlier into cool, wet soils or high residues.

Field-Tested Proven Yield Benefit

Elite DuPont Pioneer genetics combined with PPST help soybeans get off to a strong, healthy start, especially in less-than-ideal growing environments.



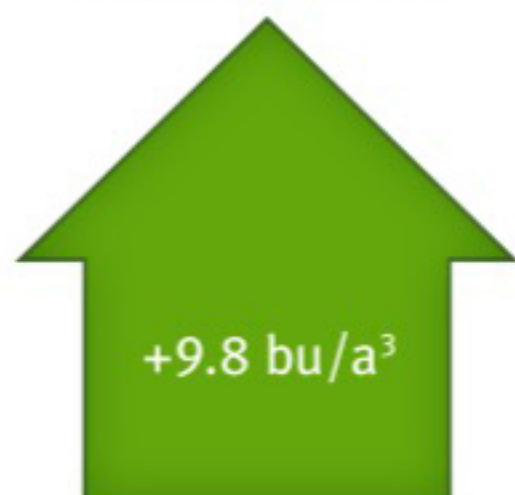
- In DuPont Pioneer research trials, PPST boosted soybean performance by 4.5 bushel/acre versus untreated soybean varieties in responsive environments.

Sudden Death Syndrome and Nematode Protection



- IleVO® fungicide seed treatment protects soybean plants from sudden death syndrome (SDS) and nematodes such as soybean cyst, root knot, and reniform nematodes.

Yield Increase in SDS Environments



Increase in SDS Tolerance Scores



Industry-Leading Seed Treatment Research

DuPont Pioneer conducts thousands of on-farm comparisons on Pioneer genetics across hundreds of locations each year to identify the best combination of seed-applied technologies for our customers.



2016 DuPont Pioneer seed treatment testing locations

Thoroughly Tested to Provide Optimal Performance From Seed Delivery Through Harvest

- DuPont Pioneer tests and integrates seed-applied technologies from DuPont and across the industry to provide a superior seed treatment offering.
- Seed treatments are tested in the areas where we sell seed to confirm PPST is providing customers the protection they need.
- DuPont Integrated Seed Science Centers run treatment formulations through hundreds of tests across temperature and humidity extremes to help optimize seed flow, plantability and reduce dust-off.



See your Pioneer sales professional for help in selecting the right varieties and treatment package to make the most from your soybean acres.

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¹ Yield data is derived from 2013-14 DuPont Pioneer seed treatment research trials where 82 of 139 locations showed a positive yield response. Average yield of those plots showing a positive response was 4.5 bu/acre.

² 2014 DuPont Pioneer agronomy research trials – 16 research locations. FST/IST + PPST 2030 biological components provided an average of .4 bu/acre advantage versus FST/IST alone and .6 bu/acre advantage across early planted locations.

³ Data collected from 80 research locations. Tolerance scores increases were in varieties rated 4-7 for SDS tolerance. DuPont Pioneer seed treatment agronomy research trials were conducted in moderate to heavy SDS/SCN pressure locations over a three-year period (2012-2014).

The foregoing is provided for informational use only. Please contact your Pioneer sales professional for information and suggestions specific to your operation. Product performance is variable and

depends on many factors such as moisture and heat stress, soil type, management practices, and environmental stress as well as disease and pest pressures. Individual results may vary. Components under the Pioneer Premium Seed Treatment offering for soybeans are applied at a DuPont Pioneer production facility or by an independent sales representative of Pioneer. Not all sales representatives offer treatment services, and costs and other charges may vary. See your Pioneer sales representative for details. Seed treatment offering exclusive to DuPont Pioneer and its affiliates. 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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