



# Protect Your Genetics from *Pythium*

*Pythium* poses a huge threat for corn growers, causing more damage than *Fusarium* and *Rhizoctonia* seedling diseases combined. More than 50 known *Pythium* species commonly infect U.S. soil, and the problem is fueled by growing trends such as planting earlier into cool wet soil, reduced and no-till situations, and increased use of cover crops. You can't prevent *Pythium*, but you can plan for it.

**Vayantis®** fungicide seed treatment, a novel mode of action that has no cross resistance with existing *Pythium* chemistries, represents the most powerful compound ever developed to protect corn seedlings from *Pythium*, allowing LG Seeds' genetics to shine. It provides substantially better protection than older technologies and offers a highly effective overlapping mode of action (MOA) to combat all known U.S. *Pythium* species.

## KEY BENEFITS

- Delivers exceptional pythium control for small seedlings
- The most robust *Pythium* protection ever provided by a seed treatment, compared to existing protection molecules metalaxyl or ethaboxam
- Increased seed germination, emergence and improved plant stand uniformity across variable soil types and environmental conditions
- Reliable resistance management due to overlapping effective MOAs
- Long-lasting activity for efficient seedling protection
- Outstanding seed safety and compatibility with other products
- Excellent bolt on protection to LG Seeds' corn genetics, allowing more yield potential to be realized

**Vayantis® is in all LG Seeds' 2022 corn products treated with Acceleron® or AgriShield® seed treatments**



**Over 100 million bushels**

The estimated corn loss annually in the U.S. and Ontario,<sup>1</sup> from root rots and seedling blights, even with currently available management tools and methods.

Vayantis provides the added security of knowing your corn hybrid genetics are protected, and that means better returns and more yield potential acre after acre.



**syngenta®**



ALWAYS READ AND FOLLOW PESTICIDE LABEL DIRECTIONS. EACH ACCELERON® SEED APPLIED SOLUTIONS OFFERING is a combination of separate individually registered products. Not all products are registered in all states and may be subject to use restrictions. The distribution, sale, or use of an unregistered pesticide is a violation of federal and/or state law and is strictly prohibited. Roundup Ready® 2 Technology contains genes that confer tolerance to glyphosate. Glyphosate will kill crops that are not tolerant to glyphosate. Insect control technology provided by Vip3A is utilized under license from Syngenta Crop Protection AG.

Performance may vary from location to location and from year to year, as local growing, soil and weather conditions may vary. IMPORTANT: Use seed treatment products safely. Always read the label and product information before use. Make sure that you follow the label instructions and comply with all applicable laws and regulations relating to the use of the products. Not all products are registered in all countries/states; please contact your local LG Seeds representative for further information. Before using any seed treatment product, be sure that it is registered for use in your country/state.

<sup>1</sup> Mueller, D.S. et al., 2016. Corn yield loss estimates due to diseases in the United States and Ontario, Canada from 2012 to 2015. Plant Health Progress 17:211-222. <https://doi.org/10.1094/PHP-RS-16-0030>. Harvested corn acres from USDA and OMAFRA.

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# SEED TREATMENT CHOICES

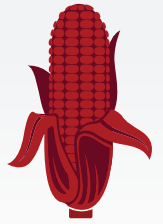
At LG Seeds we don't just have unique genetic seed solutions, we also offer a mix of the industry's latest and most innovative seed treatment choices to help protect what you put in the ground each season.



**LGSeeds.com**



# CORN TREATMENT CHOICES



- Basic seed treatment package for early-season disease and insects
- Offers consistent control of soil and seed-borne diseases
- Protects against wireworm, seedcorn maggot, white grub and grape colaspis
- Treatment includes P250 rate of Poncho® insecticide



- Designed to control early-season disease, insects and nematodes
- Enhanced protection from wireworm, seedcorn maggot, white grub, grape colaspis and black cutworm
- Biological protection from a wide range of nematode species
- Treatment includes P500 rate of Poncho®/VOTIVO® insecticide



- Designed to control early-season disease, insects and nematodes
- Enhanced protection from wireworm, seedcorn maggot, white grub, grape colaspis and black cutworm
- Biological protection from a wide range of nematode species
- Treatment includes P1250 rate of Poncho®/VOTIVO® insecticide

## AVAILABLE OPTIONS

	SMARTSTAX® CORN	TRECEPTA® CORN	VT DOUBLE PRO® CORN	ROUNDUP READY® CORN 2	TRAITED WAXY
Acceleron®	NA	YES (P250)	YES (P250)	NA	NA
Acceleron® Poncho®/VOTIVO®	YES (P500)	YES (P500)	YES (P500)	YES (P500)	YES (P500)
Acceleron® Poncho® 1250/VOTIVO®	NA	YES (P1250)	YES (P1250)	NA	YES (P1250)



- Basic seed treatment package for early-season disease and insects
- Offers consistent control of soil and seed-borne diseases
- Treatment includes CZ250 rate of Cruiser® insecticide

### TARGETED DISEASES:

- Rhizoctonia
- Pythium
- Fusarium
- Penicillium
- Rhizopus
- Cladosporium

### TARGETED INSECTS:

- Wireworm
- Black Cutworm
- White Grub
- Corn Rootworm
- Seed Corn Maggot
- Flea Beetle
- Grape Colaspis
- Chinch Bug



- Designed to control early-season disease, insects and nematodes
- Treatment includes CZ500 rate of Cruiser® insecticide
- Nutrient package includes zinc, 7-year data shows 3.2 bu. advantage

### TARGETED DISEASES:

- Rhizoctonia
- Pythium
- Fusarium
- Penicillium
- Rhizopus
- Cladosporium

### TARGETED INSECTS:

- Wireworm
- Black Cutworm
- White Grub
- Corn Rootworm
- Seed Corn Maggot
- Flea Beetle
- Grape Colaspis
- Chinch Bug

### TARGETED NEMATODES:

- Sting
- Spiral
- Root-Knot
- Stunt
- Needle
- Root-Lesion
- Lance
- Dagger
- Stubby Root

	AgriShield® ST	AgriShield® MAX
DISEASE-FIGHTING PROTECTION <i>(includes 5 fungicides)</i>	✓	✓
INSECT PROTECTION	✓	✓
NEMATODE PROTECTION		✓
NUTRITIONAL		✓
	Fungicide + Insecticide	Fungicide + Insecticide + Nematicide with Nutritional Zn



# SOYBEAN TREATMENT CHOICES



## AgriShield<sup>®</sup> PLUS

- Enhanced plant vigor from a powerful combination of fungicides and insecticides
- Protection from a wide variety of above and below-ground insects
- Defense against major soil and seed-borne diseases
- Promotes emergence

### TARGETED DISEASES:

- Early-Season Phytophthora
- Pythium
- Rhizoctonia
- Fusarium
- White Mold or Seedborne Sclerotinia
- Seedborne Phomopsis

### TARGETED INSECTS:

- Aphid
- Bean Leaf Beetle
- Grape Colaspis
- Leafhopper
- Seedcorn Maggot
- Thrips
- White Grub
- Wireworm



## AgriShield<sup>®</sup> MAX

- Maximized enhanced plant vigor from a powerful combination of fungicides and insecticides
- Protection from a wide variety of above and below-ground insects
- Defense against major soil and seed-borne diseases
- Promotes emergence
- A 200-plus day inoculant helps increase nodule development

### TARGETED DISEASES:

- Early-Season Phytophthora
- Pythium
- Rhizoctonia
- Fusarium
- White Mold or Seedborne Sclerotinia
- Seedborne Phomopsis

### TARGETED INSECTS:

- Aphid
- Bean Leaf Beetle
- Grape Colaspis
- Leafhopper
- Seedcorn Maggot
- Thrips
- White Grub
- Wireworm



## AgriShield<sup>®</sup> MAX with Saltro

- Maximizes protection against major insects and diseases, including sudden death syndrome (SDS) and nematodes
- AgriShield<sup>®</sup> MAX with Saltro<sup>®</sup> combines fungicide and insecticide chemistries, and a 200-plus day inoculant
- Increases nodule development and additional nitrogen fixation

### TARGETED DISEASES:

- Early-Season Phytophthora
- Pythium
- Rhizoctonia
- Fusarium
- White Mold or Seedborne Sclerotinia
- Seedborne Phomopsis

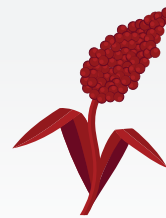
### TARGETED INSECTS:

- Aphid
- Bean Leaf Beetle
- Grape Colaspis
- Leafhopper
- Seedcorn Maggot
- Thrips
- White Grub
- Wireworm

	AgriShield <sup>®</sup> PLUS	AgriShield <sup>®</sup> MAX	AgriShield <sup>®</sup> MAX w/ SALTRO <sup>®</sup>
DISEASE-FIGHTING PROTECTION	✓	✓	✓
INSECT PROTECTION	✓	✓	✓
NITROGEN FIXATION		✓	✓
SDS AND NEMATODE PROTECTION			✓
	Fungicide + Insecticide	Fungicide + Insecticide with Inoculant	Fungicide + Insecticide with Saltro <sup>®</sup> and Inoculant



# SORGHUM TREATMENT CHOICES



## AgriShield<sup>®</sup> ST

- Early-season protection against soil and seed-borne diseases
- Offers excellent seed safety and helps establish strong stands
- Improves root development to increase water and nutrient uptake

### TARGETED DISEASES:

- Rhizoctonia
- Fusarium
- Pythium

### TARGETED INSECTS:

- Downy mildew
- Seed rots
- Soil-borne diseases



## AgriShield<sup>®</sup> PLUS

- Combines the disease protection of AgriShield<sup>®</sup> ST with a safener to protect sorghum crops from injury caused by crop sensitivity to S-metolachlor
- Helps ensure full stands and vigorous early growth without herbicide crop injury

### TARGETED DISEASES:

- Rhizoctonia
- Fusarium
- Pythium

### TARGETED INSECTS:

- Downy mildew
- Seed rots
- Soil-borne diseases



## AgriShield<sup>®</sup> MAX

- Combines protection against early-season diseases and pests with a seed safener
- Protects young plants against insects, disease and herbicide injury
- Helps improve seedling vigor and tolerance to stressful conditions such as drought, cold, nutrient deficiency and heat

### TARGETED DISEASES:

- Rhizoctonia
- Fusarium
- Pythium
- Downy mildew
- Seed rots
- Soil-borne diseases

### TARGETED INSECTS:

- Aphids
- Green bugs
- Cinch bugs
- Wireworms

	AgriShield <sup>®</sup> ST	AgriShield <sup>®</sup> PLUS	AgriShield <sup>®</sup> MAX
DISEASE-FIGHTING PROTECTION	✓	✓	✓
SEED SAFENER		✓	✓
INSECT PROTECTION			✓
	Fungicide	Fungicide + Safener	Fungicide + Insecticide with Safener

