



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, 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.



SEED TREATMENT CHOICES

ALWAYS READ AND FOLLOW IRL, WHERE APPLICABLE, GRAIN MARKETING AND ALL OTHER STEWARDSHIP PRACTICES AND 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. Growers should evaluate data from multiple locations and years whenever possible and should consider the impacts of these conditions on the grower's fields. 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.

¹Mueller, 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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1122 E 169th St
Westfield, IN 46074
800.544.6310
LGSeeds.com

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

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



Our AgriShield® ST basic seed treatment package for early-season disease and insects offers consistent control of soil- and seed-borne diseases. The treatment includes CZ250 rate of Thiamethoxam insecticide.

TARGETED DISEASES

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

TARGETED INSECTS

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



The AgriShield® MAX treatment is designed to control early-season disease, insects and nematodes. It also includes a CZ500 rate of Thiamethoxam insecticide. The nutrient package includes zinc, and the 7-year data shows a 3.2 bu./A.

TARGETED DISEASES

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

TARGETED INSECTS

- Wireworm
- Black Cutworm
- White Grub
- Corn Rootworm
- Seedcorn 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 (includes 5 fungicides)	✓	✓
INSECT PROTECTION	✓	✓
NEMATODE PROTECTION		✓
NUTRITIONAL		✓
	Fungicide + Insecticide	Fungicide + Insecticide + Nematicide with Nutritional Zn

SOYBEAN TREATMENT CHOICES



AgriShield® PLUS provides enhanced plant vigor from a powerful combination of fungicides and insecticides. It delivers protection from a wide variety of above- and below-ground insects. It defends against major soil- and seed-borne diseases as well as promotes emergence.

TARGETED DISEASES

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

TARGETED INSECTS

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



This treatment enhances your yield potential by maximizing your protection against all major insects and diseases, including two of the most significant contributors to soybean yield losses: sudden death syndrome (SDS) and nematodes. AgriShield® MAX with Saltro® combines fungicide, insecticide and a 200-plus day inoculant that helps increase nodule development, providing more opportunity for additional nitrogen fixation. Saltro® is the latest technology advancement that protects the root system by providing superior protection against SDS (Fusarium virguliforme) and nematodes while reducing stress on the plant.

TARGETED DISEASES

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

TARGETED INSECTS

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

	AgriShield® PLUS	AgriShield® MAX w/ Saltro®
DISEASE-FIGHTING PROTECTION (includes 5 fungicides)	✓	✓
INSECT PROTECTION	✓	✓
NITROGEN FIXATION		✓
SDS AND NEMATODE PROTECTION		✓
	Fungicide + Insecticide	Fungicide + Insecticide with Saltro® and Inoculant

SORGHUM TREATMENT CHOICES



AgriShield® ST provides early-season protection against soil- and seed-borne diseases. It offers excellent seed safety and helps establish strong stands and improves root development to increase water and nutrient uptake.

TARGETED DISEASES

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



The AgriShield® PLUS treatment combines the disease protection of AgriShield® ST with a safener to protect sorghum crops from injury caused by crop sensitivity to S-metolachlor. It helps ensure full stands and vigorous early growth without herbicide crop injury.

TARGETED DISEASES

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



AgriShield® MAX combines protection against early-season diseases and pests with a seed safener. It protects young plants against insects, disease and herbicide injury and 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
- Chinch bugs
- Wireworms

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

