

2019 Soybean Seed Treatment Options

Disease Reference — Action Thresholds and Registered Seed Treatment Options

Pathogen (Disease)	Possible Risk on Seed	Recommendation If Over Risk Level	Seed Treatment Options											
			Agrox® FL	Alliance® FL	ApronMaxx® RTA with INTEGO™	Belmont™ 2.7 FS	CruiserMaxx® Vibrance Beans**	EverGol® Energy	Heads Up® Plant Protectant	Insure Pulse®	INTEGO™ Solo Fungicide	Lumisena®	Vibrance® Maxx RTA / RFC	Vibrance® Maxx RFC with INTEGO™
Ascochyta spp. (Ascochyta Blight)	Greater than 10%	Use seed treatment								X				
Botrytis spp. (seed-borne only)	10% on seed (total of <i>Fusarium</i> , <i>Botrytis</i> , and <i>Sclerotinia</i>)	Use seed treatment						X		X*				
Fusarium spp.	10% on seed (total of <i>Fusarium</i> , <i>Botrytis</i> , and <i>Sclerotinia</i>) Soil-borne as well	Use seed treatment			X		X	X		X		X	X	X
Phomopsis spp.	Up to 20%	Use seed treatment if: History of disease, expecting humid/warm conditions			X		X	X				X	X	X
	Greater than 20%	Do not plant seed												
Phytophthora spp.	Not applicable Soil-borne disease only	Use seed treatment if: History of disease, seeding into warm, saturated soil		X	X	X	X			X	X	X	X	
Pythium spp.	Not applicable Soil-borne disease only	Use seed treatment if: History of disease, seeding into saturated soil		X	X	X	X	X		X	X	X	X	
Rhizoctonia spp.	Unknown Primarily soil-borne disease	Use seed treatment if: History of disease, seeding under cool-moist conditions			X		X	X	X*	X		X	X	X
Sclerotinia sclerotiorum (seed-borne only)	10% on seed (total of <i>Fusarium</i> , <i>Botrytis</i> , and <i>Sclerotinia</i>)	Use seed treatment								X*		X	X	
General seed rot, root rot, damping-off, and seedling blight	Not applicable	Use seed treatment if: History of disease, seeding under cool-moist conditions	X											

* Product registered for suppression only

** Product contains an insecticide component

(See next page for seed treatments to manage insect pests)

2019 Soybean Seed Treatment Options (continued)

Insect Reference—Recommendations and Registered Seed Treatment Options

		Seed Treatment Options				
		Alias® 240SC	Cruiser® SFS	CruiserMaxx® Vibrance Beans**	Sombrero 600FS	Stress Shield® 600
Insect	Recommendation:					
Seed Corn Maggot	Use seed treatment if: History of insect pressure on the field or in the nearby area	X	X	X	X	X
Wireworm	Use seed treatment if: History of insect pressure on the field or in the nearby area	X	X	X	X	X
Soybean Aphid	Use seed treatment if: History of insect pressure on the field or in the nearby area				X	X

** Product contains fungicide components

Action thresholds have not been identified for soybean disease and insect risks, so the recommendations provided are based on thresholds from similar crops, or rules of thumb.

Understanding seed quality and using seed treatments on pulse seed when risk of disease or insect damage is present, is critical to maximizing yield.

Fungicide seed treatments protect the seed and seedlings from soil-borne diseases, as well as those diseases found on the surface of the seed or carried inside of the seed. Seed treatments will not act as a cure for seed that has high disease levels or is poor quality.

In order for a seed treatment to provide effective protection, it is important to ensure that adequate coverage of the seed is achieved and appropriate rates are used for the target pest(s).

Seed treatments will breakdown as the plant begins to develop and as a result, their limit of protection to the seed will only last for the early part of the plant's growth.

When using a seed treatment in combination with an inoculant, it is important to check with the inoculant manufacturer to ensure that there is compatibility with the seed treatment, prior to use.

Seed treated with a seed treatment may pose a risk to other organisms or plants in the environment. Dispose of all leftover treated seed properly and do not leave treated seed on the soil surface.

Version April 2019