

2018 Field Pea Seed Treatment Options

Disease Reference—Action Thresholds and Registered Seed Treatment Options

Disease (Pathogen)	Threshold on Seed	Action If Over Threshold	Seed Treatment Options													
			Agrox® FL	Alliance® FL	Apron® Advance	ApronMaxx® RTA with INTEGO™	Belmont™ 2.7FS	CruiserMaxx® Vibrance Pulses®**	Insure Pulse®	INTEGO™ Solo Fungicide	Thiram 75WP	Trilex® AL	Trilex® EverGol®	Trilex® EverGol® SHIELD**	Vibrance® Maxx RTA / RFC	Vibrance® Maxx RFC with INTEGO™
<i>Aphanomyces euteiches</i>	Not applicable Soil-borne disease only	Use seed treatment if: History of disease, provides early season protection only				X*				X*					X*	
<i>Ascochyta pinodes</i> (Ascochyta Blight)	Greater than 10 per cent	Use seed treatment			X	X		X	X			X*	X*	X*	X	X
<i>Fusarium spp.</i>	10 per cent (total of <i>Fusarium</i> , <i>Botrytis</i> , and <i>Sclerotinia</i>)	Use seed treatment			X	X		X	X			X	X	X	X	X
<i>Peronospora viciae</i> (Downy Mildew)	Not applicable Soil-borne disease only	Use seed treatment if: History of disease, seeding under cool-moist conditions		X				X								
<i>Phytophthora</i>	Not applicable Soil-borne disease only	Presence is limited, prefers warm, moist conditions														
<i>Pythium spp.</i>	Not applicable Soil-borne disease only	Use seed treatment if: History of disease, seeding under cool-moist conditions		X	X	X	X	X	X	X		X	X	X	X	X
<i>Rhizoctonia spp.</i>	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	X
<i>Sclerotinia sclerotiorum</i>	10 per cent (total of <i>Fusarium</i> , <i>Botrytis</i> , and <i>Sclerotinia</i>)	***If in combination with other pathogens on seed, use seed treatment														
Unspecified Root Rot/ Seeding Blight	Not applicable	Use seed treatment if: History of disease, seeding under cool-moist conditions	X													X

* Product registered for suppression only

** Product contains an insecticide component

***No seed treatments are registered specifically for *Sclerotinia* or *Phytophthora* management on field pea seed

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Insect Reference—Recommendations and Registered Seed Treatment Options

		Seed Treatment Options			
		Cruiser® SFS	CruiserMaxx® Vibrance Pulses**	Stress Shield® 600	Trilex® EverGol® Shield**
Insect	Recommendation:				
Pea Leaf Weevil	Use seed treatment if: History of insect pressure on the field or in the nearby area	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

** Product contains fungicide components

Action thresholds have not been identified for all disease and insect risks in field peas, so the recommendations provided are based on thresholds from similar crops, identified action thresholds for field peas, 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.