



Field Pea Seed Treatment Options

February, 2024

Disease Reference – Action Thresholds and Registered Seed Treatment Options

Pathogen (Disease)	Threshold on Seed	Action if Over Threshold	Seed Treatment Options											
			Agrox® FL (Norac Concepts)	Allegiance® FL (Bayer)	Apron® ADVANCE (Syngenta Canada)	Apron® Maxx Peas (Syngenta Canada)	Belmont™ 2.7 FS (UPL AgroSolutions Canada)	Insure Pulse® (BASF Canada)	INTEGO™ Solo Fungicide (Valent Canada/ NuFarm Agriculture)	Rancona Trio (UPL AgroSolutions Canada) ³	Telex Fungicide (Sharda CropChem)	Trilex® EverGol® (Bayer)	Trilex® EverGol® SHIELD ² (Bayer)	
Aphanomyces euteiches	Not applicable; Soil-borne disease only	Use seed treatment if: History of disease, provides early season protection only								X ¹	X ¹			
Ascochyta pinodes; (Ascochyta Blight)	Greater than 10%	Use seed treatment			X	X			X				X ¹	X ¹
Botrytis spp. (seed-borne only)	10% on seed (total of Fusarium, Botrytis, and Sclerotinia)	Use seed treatment							X ¹				X	X
Fusarium spp.	10% on seed (total of Fusarium, Botrytis, and Sclerotinia); Soil-borne as well	Use seed treatment			X	X			X		X		X	X
Peronospora viciae (Downy Mildew)	Not applicable; Soil-borne disease only	Use seed treatment if: History of disease, seeding under cool-		X					X				X	

		moist conditions											
Pythium spp.	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
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
Sclerotinia sclerotiorum; (seed-borne only)	10% on seed (total of Fusarium, Botrytis, and Sclerotinia)	Use seed treatment											
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							X			

¹ Product registered for suppression only

² Product contains an insecticide component

³ Tank-mixing Rancona Trio with Belmont™ 2.7 FS or INTEGO™ Solo offers control of early-season (only) aphanomyces as per Rancona Trio product label.

Insect Reference – Recommendations and Registered Seed Treatment Options

Insects	Recommendations	Seed Treatment Options			
		Cruiser® 5FS (Syngenta Canada)	Lumivia™ CPL (Corteva Agriscience)	Stress Shield® 600 (Bayer)	Trilex® EverGol® SHIELD ⁴ (Bayer)
Armyworm and Cutworm	Use seed treatment if: History of insect pressure on the field or in the nearby area		X		
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

⁴ 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.

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