



Chickpea Seed Treatment Options

May, 2023

Disease Reference – Action Thresholds and Registered Seed Treatment Options

Pathogen (Disease)	Threshold on Seed	Action if Over Threshold	Seed Treatment Options													
																Zeltera® Pulse (Valent Canada/NurFarm Agriculture)
																Zeltera® Pulse co-pack (Valent Canada/NurFarm Agriculture)
																Vibrance® Maxx RTA (Syngenta Canada)
																Vibrance® Maxx RFC (Syngenta Canada)
																Trilex® EverGol® SHIELD2 (Bayer)
																Trilex® EverGol® (Bayer)
																Telex Fungicide (Sharda CropChem)
																Rancona Trio (JPL Agrosolutions Canada)
																INTEGO™ Solo Fungicide (Valent Canada/NurFarm Agriculture)
																Insure Pulse® (BASF Canada)
																Belmont™ 2.7 FS (JPL Agrosolutions Canada)
																Apron® Advance (Syngenta Canada)
																Alliance® FL (Bayer)

<i>Ascochyta rabiei</i>	0-0.3%	Use seed treatment	X	X	X	X ¹	X ¹	X	X	X ¹		
	Greater than 0.3%	Do not plant seed										
<i>Botrytis spp. (seed-borne)</i>	10% on seed (total of Fusarium, Botrytis, and Sclerotinia)	Use seed treatment	X	X ¹			X	X	X	X		
<i>Fusarium spp.</i>	10% on seed (total of Fusarium, Botrytis, and Sclerotinia); Soil-borne as well	Use seed treatment	X	X	X		X	X	X	X	X	X
<i>Pythium spp.</i>	Not applicable; Soil-borne disease only	Use seed treatment if: History of disease, seeding under cool-moist conditions, planting Kabuli chickpeas	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 (seed-borne)</i>	10% on seed (total of Fusarium, Botrytis, and Sclerotinia)	Use seed treatment					X	X	X			X ¹
<i>General seed rot, root rot, damping-off, and seedling blight</i>	Not applicable	Use seed treatment if: History of disease, seeding under cool-moist conditions				X						

¹ Product registered for suppression only

² Product contains an insecticide component

Insect Reference – Recommendations and Registered Seed Treatment Options

Insect	Recommendation	Seed Treatment Options			
		Cruiser® 5FS (Syngenta Canada)	Lumivia™ CPL (Corteva Agriscience)	Stress Shield® 600 (Bayer)	Trilex® EverGol® SHIELD ³ (Bayer)
Armyworm and Cutworm	Use seed treatment if: History of insect pressure on the field or in the nearby area		X		
Wireworm	Use seed treatment if: History of insect pressure on the field or in the nearby area	X		X	X

³ Product contains fungicide components

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