

TABLE 3 – FIELD PEA - GUIDELINES FOR SAFE LEVELS OF INFECTED PULSE SEED FOR PLANTING:

Please note that these guidelines are subject to change and may vary with location and specific cropping practices.

Farmers are to use their own discretion!

CROP	DISEASE (Pathogen)	SAFE LEVEL TO PLANT	SEED TREATMENTS AVAILABLE ¹
FIELD PEA	ASCOCHYTA <i>(Mycosphaerella pinodes,</i> <i>Ascochyta pinodella,</i> <i>Ascochyta pisi)</i>	<p>Up to 10% ascochyta infection should not significantly affect plant establishment and yield, as long as the seed has other good quality characteristics such as germination, and spring soil conditions that promote quick germination and good seedling vigour.</p> <p>Seed-to-seedling transmission of ascochyta in pea under field conditions is considered low.</p> <p>In areas where pea production is common, air-borne spores from the over-wintering stage of the <i>Mycosphaerella</i> pathogen are the primary means of infection.</p>	<p>There are no seed treatments registered specifically for the control of ascochyta in pea, although many of the seed treatments registered for the other seed rot and seedling blight pathogens may assist in improving seedling health.</p>
	<i>Pythium</i> sp. and <i>Phytophthora</i> sp. SEED ROTS and DAMPING OFF	<p>Not tested for at seed testing labs.</p> <p>Seed treatment in field pea may be beneficial when planting under cool, moist soil conditions or if using damaged or cracked seed.</p>	<p>Allegiance FL®, Apron FL® <i>(active ingredient: metalaxyl)</i></p> <p>Apron Maxx RTA® <i>(active ingredient: fludioxonil, metalaxyl-M)</i></p> <p>Vitaflo 280® <i>(active ingredients: carbathiin, thiram)</i></p>
	SEED ROTS and SEEDLING BLIGHTS <i>(Botrytis, Sclerotinia,</i> <i>Rhizoctonia, and</i> <i>Fusarium species)</i>	<p>These are primarily soil-borne diseases. Botrytis and sclerotinia are tested for at seed testing labs.</p> <p>Up to 10% infection (sclerotinia + botrytis) should be safe to plant, but will still result in significant seedling blight in the crop if a seed treatment is not used.</p>	<p>Agrox CD®, Agrox B-2® <i>(active ingredient: captan, diazinon)</i></p> <p>Apron Maxx RTA® <i>(active ingredient: fludioxonil, metalaxyl-M)</i></p> <p>Captan Flowable® <i>(active ingredient: captan)</i></p> <p>Maxim 480FS®³ <i>(active ingredient: fludioxonil)</i></p> <p>Thiram 75WP® <i>(active ingredients: thiram)</i></p> <p>Vitaflo 280® <i>(active ingredients: carbathiin, thiram)</i></p>

¹ New seed treatments are continually being registered. Talk to your local agri-retailer, industry rep or provincial specialists for updated information on seed treatments registered in pulses. Always refer to the product label before applying product to the seed.

² SK Crop Insurance will not support claims that are made on fields that had over 0.3% seed infection and no seed treatment was used. Refer to the SCIC website at: <http://www.saskcropinsurance.com/programs/2005/Specialized/chickpeas.shtml>

³ Maxim 480FS® is only available to commercial seed treaters.