

**Sample: AAFXXX**

**Report date: 30/03/2018**

Paddock: **XXXX**

Nearest town: **KAPUNDA**

Sampling strategy: **Within**

Grower: **XXXX**

Region: **Southern**

Stubble added: **No**

Paddock history	2 years ago	Last year	This year
Crop / variety	Faba beans	Wheat	Durum

TEST	RESULT	DISEASE RISK*			
		Not Detected	Low	Med	High
CCN	<0.05 eggs /g soil	■			
Stem nematode	<0.5 nematodes/100 g soil	■			
Take-all	0.81 log(pg DNA/g soil)		■		
Take-all - Oat Strain	<0.8 log(pg DNA/g soil)	■			
Rhizoctonia	<0.5 log(pg DNA/g soil)	■			
Crown rot	2.56 log(pg DNA/g soil)			■	
Pratylenchus neglectus	<0.1 nematodes /g soil	■			
Pratylenchus thornei	0.2 nematodes/g soil		■		
Blackspot	3.27 log(pg DNA/g soil)				■
Blackspot (Phoma koolunga)	<1.2 log(pg DNA/g soil)	■			

\*Risk categories should be used as a guide only, may be subject to regional and seasonal differences, and may be revised over time.

#### UNDER EVALUATION

TEST	RESULT	POPULATION DENSITY**			
		Not Detected	Low	Med	High
Common root rot	0.75 log(pg DNA/g soil)		■		
Pythium clade f	2.00 log(pg DNA/g soil)			■	
Yellow leaf spot	0.73 log(kDNA copies/g soil)		■		
Eyespot	<0.3 log(kDNA copies/g soil)	■			
White grain disorder	0.64 log(kDNA copies/g soil)		■		
Pratylenchus penetrans	<0.1 nematodes /g soil	■			
Pratylenchus quasitereoides	<0.1 nematodes/g soil	■			
Charcoal rot	1.31 log(kDNA copies/g soil)			■	
Ascochyta blight of chickpea	0.21 log(kDNA copies/g soil)		■		
Sclerotinia stem rot	<0.1 log(kDNA copies/g soil)	■			

\*\*Population densities are based on the distribution of pathogen levels detected in PreDicta samples over several years. These are not disease risk categories.

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**Pathogen comments:**

High blackspot risk: Avoid sowing peas; soilborne inoculum levels pose significant risk to peas, but not considered a significant risk in WA. This test detects *Mycosphaerella pinodes* and *Phoma medicaginis* var *pinodella*, latter also affects sub clover

High Crown Rot: High risk of yield loss in durum wheat and up to 20 % in bread wheats. Consider break crops for 2 to 3 years to reduce inoculum levels.

Low take-all risk: Potential yield losses from 0-10%. Keep paddock host free after the break and sow at end of seeding program. Consider a seed treatment to control take-all. Summer rain events > 25mm should reduce level of inoculum.

Low *P. thornei*: Yield losses range from 0 - 10%. Select tolerant varieties

**Additional sample details**

Agronomist: XXXXXXXXX

Date sampled: 20/03/2018

Phone:

Dry weight (g): 393.80

Mobile: XXXXXXXXXX

Sample condition: Damp

Accreditation no: XXXX

Core depth: 10cm

**Consultant Recommendations:**