

Sample: **AAEXXX**

Report date: **13/04/2018**

Paddock: **XXXX**

Nearest town: **GRASS VALLEY**

Sampling strategy: **Random**

Grower: **XXXX**

Region: **Western**

Stubble added: **Yes**

Paddock history	2 years ago	Last year	This year
Crop / variety	Wheat	Wheat	Canola

TEST	RESULT	DISEASE RISK*			
		Not Detected	Low	Med	High
CCN	16.4 eggs /g soil				
Stem nematode	<0.5 nematodes/100 g soil				
Take-all	3.19 log(pg DNA/g soil)				
Take-all - Oat Strain	<0.8 log(pg DNA/g soil)				
Rhizoctonia	2.88 log(pg DNA/g soil)				
Crown rot	<0.6 log(pg DNA/g soil)				
Pratylenchus neglectus	1.9 nematodes /g soil				
Pratylenchus quasitereoides	<0.1 nematodes/g soil				
Blackspot	<1.2 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	<0.6 log(pg DNA/g soil)				
Pythium clade f	<0.6 log(pg DNA/g soil)				
Yellow leaf spot	2.25 log(kDNA copies/g soil)				
Eyespot	<0.3 log(kDNA copies/g soil)				
White grain disorder	<0.3 log(kDNA copies/g soil)				
Pratylenchus penetrans	<0.1 nematodes /g soil				
Pratylenchus thornei	<0.1 nematodes/g soil				
Charcoal rot	2.17 log(kDNA copies/g soil)				
Ascochyta blight of chickpea	<0.05 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 take-all risk: Yield loss in wheat could exceed 60%. Consider a break crop

High Rhizoctonia: Yield loss could range between 20 - 50%. Use tillage systems to disrupt the fungal network, sow early to avoid cold soils, stop weeds establishing after the break, avoid Sulphonylurea herbicides and ensure adequate Zn, N and P.

High CCN: Potential yield loss in susceptible cereals could range from 15 - 90%. Avoid cereals, consider canola, pulses, pasture legumes or fallow

Low risk P. neglectus: Yield losses range from 0 - 10%. Select tolerant varieties

Additional sample details

Agronomist: **XXXXXXX**

Date sampled: **02/04/2018**

Phone: **XXXXXXXXX**

Dry weight (g): **582.40**

Mobile: **XXXXXXXXX**

Sample condition: **Damp**

Accreditation no: **XXXX**

Core depth: **10cm**

Consultant Recommendations: