



Consider Testing Your Crop For Pachymetra Root Rot

All farms in Tully are at risk with yield reductions of up to 40% possible. The table below summarises the information obtained from a survey conducted by Rob Magarey in the Tully mill area in 2004. Between 9 and 15 farms growing first, second and third ratoon crops of Q120,

Q158 and Q200[Ⓛ] in each district were sampled. These varieties were selected as they have intermediate resistance to Pachymetra root rot. Pachymetra root rot is an important disease in the Tully Mill area.

District	% farms with Pachymetra	Average number of spores	Associated yield loss
El Arish	100	56,402	Medium - High
Feluga	92	78,506	Medium - High
Euramo	77	63,867	Medium - High
Syndicate	58	30,971	Low - Medium
Lower Tully	87	31,813	Low - Medium
Riversdale	58	38,055	Low - Medium
Murray	64	2,352	Negligible - Low

SYMPTOMS

Pachymetra root rot causes a soft flaccid rot of larger roots, leading to a poor and inadequate root system, poor stool anchorage, stool tipping and failed ratoons in susceptible varieties.

CONTROL

Plant resistant varieties. BSES routinely screens clones in the BSES selection program at BSES Tully and susceptible varieties are discarded. The level of resistance required is dependant on how high the Pachymetra level is in the soil. Soils can be tested at BSES Tully; recommendations are provided.

Intermediate	Resistant
Q230	Q229
Q217 [Ⓛ]	Q220 [Ⓛ]
Q200 [Ⓛ]	Q218 [Ⓛ]
Q198 [Ⓛ]	Q201 [Ⓛ]
Q181 [Ⓛ]	Q187 [Ⓛ]
Q174 [Ⓛ]	Q186 [Ⓛ]
Q172 [Ⓛ]	Q166 [Ⓛ]
Q167 [Ⓛ]	Q138
Q158	Q117
Q152	
Q124	
Q120	

SOIL TEST COST

BSES service fee payers \$40 + GST.
BSES non-service fee payers \$80 + GST.

SOIL SAMPLING

1. Standing Crop

- Collect soil from the row
- Take soil to 25 cm depth
- Collect soil from 6-8 places
- Bulk the soil, mix thoroughly and sub sample (total amount required approx 200g)
- Place soil in a labelled plastic bag and attach completed Tully Assay Lab form
- Contact BSES Tully

2. Cultivated Ground

- Take 6-8 samples to a 25 cm depth
- Bulk the soil, mix thoroughly and sub sample (total amount required approx 200g)
- Place soil in a labelled plastic bag
- Contact BSES Tully

Further Information:

Contact BSES Tully on 07 4068 1488 for more information about Pachymetra root rot and soil sampling.