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Plant Breeding Institute
Cereal Rust Laboratory

Cereal Rust Report
Season 2003

Triticale Responses to Stripe Rust Pathogens

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The following table and illustrations are presented as a guide to expected responses of triticale cultivars to the two common stripe rust pathotypes in eastern Australia. Pathotype 134 E16 A+, which has been present in WA since 2002 and was detected in eastern Australia for the first time in 2003, has virulence for *Yr9*. This resistance is common in most triticale cultivars, and hence pathotype 134 E16 A+ will be generally expected to cause increased levels of leaf damage. In view of the widespread distribution of the latter pathotype, it is recommended that Duval and Eleanor be removed from sowing options for 2004.

The table of disease responses is based on the following scale:

R	resistant
MR	moderately resistant
MS	moderately susceptible
S	susceptible
VS	very susceptible

Cultivar	Response to 110 E143 A+	Response to 134 E16 A+
Abacus	R	MR
Credit	R	MR-MS
Duval	R	S
Eleanor	R	S
Empat	R	MR-MS
Everest	R	MR-MS
Hilary	R	-
Jackie	R	MR
Kosciusko	R	MS
Madonna	R	MR
Maiden	R	MR
Muir	R	MR
Prime 322	R	MR
Speedee	R	MS
Tahara	R	R
Treat	R	MR
Tickit	R	MR

Maiden

Madonna

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Cereal rust samples may be collected and posted in paper envelopes to the following address:

Australian Cereal Rust Survey
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GRDC Grains Research & Development Corporation