

Disclaimer:

This document is based on the results from an individual trial and may contain experimental use patterns that are currently off-label. **This document does not provide any interpretation and should not be taken as an endorsement of any unregistered use pattern.**

Professional advice should be sought for specific recommendations to ensure access to the most up to date information and knowledge.

Any product referred to in this document must be used strictly as directed, and in accordance with all label or permit instructions. Always consult the label prior to use.

Seed Treatment Screen for *Botryosphaeria* Seed Disinfection

Trial ID: RD1104

Location: Leslie Research Centre Laboratory, Toowoomba
Investigator: Rob Duncan

Trial Year: 2011

Objective:	To screen seed treatments for potential against <i>Botryosphaeria</i> (white grain disorder) in wheat
Variety:	Peake (naturally infected with <i>Botryosphaeria</i> spp)
Seed Source:	QDAF Hermitage Research Station
Seed Treatment Application:	28/01/2011
Trial Type:	Paper towel germination test at 20 C
Germination Test Commenced:	16/02/2011

Seed classified at each assessment as either:

1. Germinated/normal seedling
2. Fresh and ungerminated
3. Seed with obvious fungal colonies

Trt No.	Treatment	Rate mL/100kg Seed	21/02/2011 5 DAP				
			% Germinated	% Fresh & Ungerminated	Seed with Obvious Fungal Colonies		
					% Germinated	% Fresh & Ungerminated	Total % Seed with Colonies
1	Untreated	-	84.5	8.0	1.4	5.0a	7.1a
2	Raxil T	100	86.3	9.5	0.4	3.5ab	3.4ab
3	Raxil Pro	15	85.8	10.3	0.6	3.3ab	3.8ab
4	Dividend	130	88.8	7.5	0.9	2.8abc	3.7ab
5	Vitavax 200 FF	500	85.3	13.0	0.4	1.3bc	1.6bc
6	Rancona C	100	85.3	13.5	0.4	0.8c	1.0c
7	Dividend + Experimental	130 + 25	86.3	11.5	0.6	1.5bc	2.2bc
		P =	0.84	0.21	0.84	0.01	<0.01
		LSD =	nsd	nsd	nsd	2.3	Log (x+1) detrans

DAP = Days after 'Planting' (start of germination test)

Means followed by same letter do not significantly differ (P=.05, LSD)

Mean comparisons performed only when AOV Treatment P (F) is significant at mean comparison OSL.

nsd = No significant difference

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Trt No.	Treatment	Rate mL/100kg Seed	21/02/2011 7 DAP				
			% Germination	% Fresh & Ungerminated	Seed with Obvious Fungal Colonies		
					% Germinated	% Fresh & Ungerminated	Total % Seed with Colonies
1	Untreated	-	84.5	1.8e	1.4	11.3a	13.8a
2	Raxil T	100	86.8	4.3cde	0.4	8.3ab	9.0b
3	Raxil Pro	15	87.5	4.5cd	1.1	6.8bc	8.0bc
4	Dividend	130	89.5	3.8de	1.2	5.5bc	6.8bc
5	Vitavax 200 FF	500	86.3	6.8bc	0.9	6.0bc	7.0bc
6	Rancona C	100	85.3	10.5a	0.4	3.8c	4.3c
7	Dividend + Experimental	130 + 25	87.0	8.0ab	0.6	4.3c	5.0c
		P =	0.56	<0.01	0.78	<0.01	<0.01
		LSD =	nsd	2.6	nsd	3.8	4.0