

**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* spp Seed Disinfection

Trial ID: RD1102

Location:

Leslie Research Centre Laboratory, Toowoomba

Trial Year:

2011

Investigator:

Rob Duncan

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:	3/02/2011
Trial Type:	Paper towel germination test at 20 C
Germination Test Commenced:	4/02/2011

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	8/02/2011 4 DAP		
			% Germinated	% Fresh & Ungerminated	% Seed with Obvious Fungal Colonies
1	Untreated	-	73.0	19.4	7.0 a
2	Veteran C	100	75.1	23.4	1.1 b
3	Armour	100	80.5	18.7	0.4 bc
4	Baytan T	100	83.1	15.2	1.2 b
5	Raxil T	100	80.6	19.4	0.0 c
6	Raxil Pro	15	77.6	22.2	0.1 bc
7	Premis Pro	100	81.0	18.2	0.4 bc
8	Jockey	450	79.1	20.3	0.1 bc
9	Dividend	130	83.9	15.1	0.5 bc
10	Dividend	260	74.7	25.0	0.1 bc
11	Vitaflo	125	80.1	19.1	0.2 bc
12	Vitaflo	250	82.3	16.7	0.7 bc
13	Vitavax 200 FF	250	77.7	22.0	0.1 bc
14	Vitavax 200 FF	500	78.8	21.2	0.0 c
15	Rancona C	100	79.4	19.9	0.3 bc
16	Dividend + Experimental	130 + 25	81.3	18.4	0.1 bc
17	EverGol Prime	80	80.4	19.6	0.0 c
P =			0.13	0.21	<0.01
LSD =			nsd	nsd	Arcs(sqrt(x/100)) Transformation

### Seed Treatment Screen for *Botryosphaeria* spp Seed Disinfection

Trial ID: RD1102

Location: Leslie Research Centre Laboratory, Toowoomba

Trial Year: 2011

Trt No.	Treatment	Rate mL/100kg Seed	11/02/2011 7 DAP		
			% Germinated	% Fresh & Ungerminated	% Seed with Obvious Fungal Colonies
1	Untreated	-	75.8g	1.5	22.8a
2	Veteran C	100	79.0fg	1.8	19.3ab
3	Armour	100	84.5def	1.0	14.5bcd
4	Baytan T	100	84.8def	1.5	13.8bcd
5	Raxil T	100	85.3cdef	2.3	12.5cde
6	Raxil Pro	15	84.5def	2.8	12.8cde
7	Premis Pro	100	85.0def	0.8	14.3bcd
8	Jockey	450	85.8bcde	0.5	13.8bcd
9	Dividend	130	91.5abc	1.0	7.5efg
10	Dividend	260	83.8def	1.5	14.8bcd
11	Vitaflo	125	82.3ef	2.3	15.5bc
12	Vitaflo	250	84.5def	1.0	14.5bcd
13	Vitavax 200 FF	250	89.3bcd	1.3	9.5def
14	Vitavax 200 FF	500	92.0ab	2.3	5.8fg
15	Rancona C	100	91.5abc	0.8	7.8efg
16	Dividend + Experimental	130 + 25	97.0a	1.0	2.0g
17	EverGol Prime	80	85.5cde	1.5	13.0cde
P =			<0.01	0.70	<0.01
LSD =			6.5	nsd	5.8

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