

Disclaimer:

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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.

Spot Form Net Blotch Management in Barley

Trial ID: NGA0812

Location:

Spring Ridge

Year

2008

Investigator:

Clare Felton-Taylor

Objective:	To evaluate the impact of fungicide choice and timing on Spot Form Net blotch management in barley			
Crop & Variety:	Barley cv. Gairdner			
Planting:	1/06/2008			
Harvest:	5/12/2008			
Foliar Application Timing:	T1	T2	T3	T4
Application Date:	11/07/2008 (41 DAP)	30/07/2008 (60 DAP)	14/08/2008 (74DAP)	26/09/2008 (118 DAP)
Crop Growth Stage:	GS22	GS25	GS30	GS49-52
Volume:	50 L/ha			
Keywords:	Spot Form Net Blotch, barley			

DAP = days after planting

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Fungicide Impact on Spot Form Net Blotch 14 DAT1

Trt No.	Treatment	Product Rate mL/ha	Application Timing	25/07/2008 14 DAT1					
				Leaf 1		Leaf 2		Leaf 3	
				% Incidence	% Severity	% Incidence	% Severity	% Incidence	% Severity
1	Untreated	-	-	30	1.0	100	16	100	31
2	Tilt	500	T1	40	1.2	100	8	100	26
P= LSD=				0.58 nsd	0.58 nsd	-	0.30 nsd	-	0.57 nsd

Fungicide Impact on Spot Form Net Blotch 33 DAT1/ 14 DAT2

Trt No.	Treatment	Product Rate mL/ha	Application Timing	13/08/2008 33 DAT1/ 14 DAT2					
				Leaf 1		Leaf 2		Leaf 3	
				% Incidence	% Severity	% Incidence	% Severity	% Incidence	% Severity
1	Untreated	-	-	37	0.7	77	7.1	100	42a
2	Tilt	500	T1	17	0.3	73	3.0	100	17c
3	Tilt	250	T2	13	0.1	60	1.7	87	27bc
4	Tilt	500	T2	20	0.3	70	5.0	100	38ab
10	Tilt	250	T2	30	0.4	67	3.9	90	25bc
11	Tilt	250	T2	20	0.9	53	3.5	97	33ab
P= LSD=				0.30 nsd	0.53 nsd	0.66 nsd	0.20 nsd	0.69 nsd	0.05 12.7 (LSD 10%)

nsd = No significant difference

DAT1 = Days after Timing 1, DAT2 = Days after Timing 2

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Fungicide Impact on Spot Form Net Blotch 48 DAT1/ 29 DAT2/ 14 DAT3

Trt No.	Treatment	Product Rate mL/ha	Application Timing	28/08/2008 48 DAT1/ 29 DAT2/ 14 DAT3					
				Leaf 1		Leaf 2		Leaf 3	
				% Incidence	% Severity	% Incidence	% Severity	% Incidence	% Severity
1	Untreated	-	-	7	0.2	57	4.6	90	23bc
2	Tilt	500	T1	0	0.0	50	5.0	97	23bc
3	Tilt	250	T2	3	0.1	60	4.0	93	23bc
4	Tilt	500	T2	3	0.0	53	4.7	90	26abc
5	Tilt	250	T3	10	0.1	57	4.4	100	28ab
6	Tilt	500	T3	3	0.0	63	4.2	87	22bc
7	Prosaro + Hasten	150 + 1%	T3	13	0.2	63	7.6	100	32ab
10	Tilt	250 fb 250	T2 & T3	3	0.0	63	5.7	97	37a
11	Tilt	250 fb 250	T2 & T3	10	0.2	37	3.0	80	15c
12	Tilt	250	T3	0	0.0	63	5.3	100	38a
P=				0.41	0.37	0.90	0.86	0.37	0.06
LSD=				nsd	nsd	nsd	nsd	nsd	11.5 (LSD 10%)

DAT1 = Days after Timing 1, DAT2 = Days after Timing 2, DAT3 = Days after Timing 3

Fungicide Impact on Spot Form Net Blotch 97 DAT1/ 78 DAT2/ 63 DAT3/ 20 DAT4

Trt No.	Treatment	Product Rate mL/ha	Application Timing	16/10/2008 97 DAT1/ 78 DAT2/ 63 DAT3/ 20 DAT4					
				Leaf 1		Leaf 2		Leaf 3	
				% Incidence	% Severity	% Incidence	% Severity	% Incidence	% Severity
1	Untreated	-	-	100	8a	100	19bc	100	82abc
2	Tilt	500	T1	100	6ab	100	33a	100	91a
3	Tilt	250	T2	100	6ab	100	19bc	100	80abc
4	Tilt	500	T2	100	5bc	100	20ab	100	74abcde
5	Tilt	250	T3	100	6ab	100	23ab	100	58def
6	Tilt	500	T3	100	8a	100	25ab	100	89ab
7	Prosaro + Hasten	150 + 1%	T3	97	6ab	100	20ab	100	68bcde
8	Tilt	250	T4	100	5bc	100	9cde	100	61cdef
9	Tilt	500	T4	97	3c	100	6e	100	55ef
10	Tilt	250 fb 250	T2 & T3	93	7ab	100	19abc	100	79abcd
11	Tilt	250 fb 250 fb 250	T2 ,T3 & T4	93	4bc	100	7de	100	41f
12	Tilt	250 fb 250	T3 & T4	97	4bc	100	15bcd	100	80abc
P=				0.53	0.02	n/a	0.00	n/a	0.00
LSD=				nsd	2.5	Sq root detransf			21.5

DAT1 = Days after Timing 1, DAT2 = Days after Timing 2, DAT3 = Days after Timing 3, DAT4 = Days after Timing 4 Trts 10,11 and 12 fb= followed by (sequential application)

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Trt No.	Treatment	Product Rate mL/ha	Application Timing	Yield t/ha	Screenings %	% Retention > 2.5mm	Test Weight kg/hL	Protein %	Moisture %
1	Untreated	-	-	2.16	1.8	84	55	10.0	11
2	Tilt	500	T1	1.90	2.1	83	55	10.0	11
3	Tilt	250	T2	1.23	3.0	86	55	10.0	11
4	Tilt	500	T2	1.96	1.7	88	56	10.0	11
5	Tilt	250	T3	1.51	2.0	87	55	11.0	11
6	Tilt	500	T3	1.64	2.9	84	57	10.0	11
7	Prosaro + Hasten	150 + 1%	T3	1.80	1.8	88	56	10.0	11
8	Tilt	250	T4	1.60	2.2	84	55	10.0	11
9	Tilt	500	T4	1.80	1.8	89	54	10.0	10
10	Tilt	250 fb 250	T2 & T3	1.73	1.9	88	55	10.0	11
11	Tilt	250 fb 250 fb 250	T2 ,T3 & T4	2.56	1.8	89	55	10.0	11
12	Tilt	250 fb 250	T3 & T4	1.40	1.4	91	55	10.0	11
P= LSD=				0.28 nsd	0.70 nsd	0.45 nsd	0.76 nsd	0.26 nsd	0.12 nsd

Yield cv = 29.9%

nsd = No significant difference Trts 10,11 and 12 fb= followed by (sequential application)