

Six-Row Barley (Celebration) Uniform Fungicide Study, Langdon 2010

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Table 1. Fusarium head blight incidence, index and severity, deoxynivalenol (DON) and leaf necrosis by fungicide and six-row barley (Celebration) growth stage at time of fungicide treatment, Langdon 2010.

Fungicide	Growth Stage	Fusarium Head Blight			DON ¹ Ppm	Leaf Necrosis %
		Incidence %	Index	Head Severity %		
Untreated control	Feekes	98.8	8.9	9.2	1.9	27.0
DPX-LEM17	10.51 (early anthesis)	97.5	8.3	8.7	0.9	36.7
A9232D (Cogito EC)	10.51	96.3	8.3	8.8	1.0	26.8
Prosaro	10.5 (or approximately 5 days prior to 10.51)	100.0	10.2	10.2	1.5	27.9
Prosaro	10.5.1	96.3	8.2	8.9	1.4	31.5
Prosaro	5 days after 10.51 treatments are applied	97.5	7.9	8.3	0.5	42.8
Caramba	10.5	98.8	9.5	9.7	1.5	27.3
Caramba	10.5.1	100.0	8.9	8.9	0.8	33.1
Caramba	5 days after 10.5.1 treatments are applied	96.3	8.1	8.7	0.8	37.8
Headline	9.0 (flag leaf fully emerged)	97.5	8.0	8.4	1.6	33.3
Headline	10.0 (boot stage)	97.5	8.1	8.4	1.5	23.8
Headline	10.5	100.0	8.4	8.4	1.7	28.3
LSD _(0.05%)		2.8	1.3	1.0	0.463	NS
Pr>F		0.0225	0.0104	0.0130	<0.0001	0.0895
% C.V.		2.84	14.7	11.8	36.7	38.7

¹ DON = Deoxynivalenol

Table 2. Yield, test weight and plump by fungicide, fungicide and adjuvant rate and six-row barley (Celebration) growth stage at time of fungicide treatment Langdon, 2010.

Fungicide	Fungicide Rate ¹	Growth Stage Feekes	Yield	Test Weight	Plump
	Fl. oz./acre		Bu. /acre	Lbs. / bushel	%
Untreated control	NA		120.3	47.4	94.1
DPX-LEM17	24	10.51 (early anthesis)	115.4	48.0	96.0
A9232D (Cogito EC)	7	10.51	118.5	47.4	94.7
Prosaro	6.5	10.5 (or approximately 5 days prior to 10.51)	113.8	48.5	96.1
Prosaro	6.5	10.5.1	114.0	48.1	95.6
Prosaro	6.5	5 days after 10.51 treatments are applied	113.3	48.4	96.9
Caramba	13.5	10.5	118.6	47.9	94.7
Caramba	13.5	10.5.1	113.5	47.9	95.4
Caramba	13.5	5 days after 10.5.1 treatments are applied	120.2	48.0	96.7
Headline	6	9.0 (flag leaf fully emerged)	109.3	47.5	94.7
Headline	6	10.0 (boot stage)	117.9	48.1	96.8
Headline	6	10.5	113.3	48.3	96.1
LSD _(0.05%)			5.0	0.7	2.0
Pr>F			0.0003	0.0431	0.0415
% C.V.			4.3	1.5	36.7

¹All fungicide treatments except A9232D and DPX-LEM17 included Induce adjuvant at rate of 0.125% v/v. DPX-LEM17 was tank mixed with Induce adjuvant at a rate of 0.25% v/v.

This material is based upon work supported by the U.S. Department of Agriculture, under Agreement No. 59-0790-8-069. This is a cooperative project with the U.S. Wheat & Barley Scab Initiative. Any opinions, findings, conclusions, or recommendations expressed in this publication are those of the author(s) and do not necessarily reflect the view of the U.S. Department of Agriculture.