Durum (Lebsock) 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 durum (Lebsock) growth stage at time of fungicide treatment, Langdon 2010.

		Fu	sarium He			
	Growth Stage	Incidence		Head Severity	DON^1	Leaf Necrosis
Fungicide	Feekes	%	Index	%	ppm	%
Untreated control		92.5	16.5	18.9	7.63	32.5
DPX-LEM17	10.51 (early anthesis)	81.3	15.1	21.3	10.48	25.7
A9232D (Cogito EC)	10.51	80.0	9.3	14.1	7.13	35.0
Prosaro	10.5 (or approximately 5 days prior to 10.51)	88.8	16.0	19.8	7.98	14.6
Prosaro	10.5.1	83.3	7.3	16.8	6.83	18.7
Prosaro	5 days after 10.51 treatments are applied	71.3	9.3	16.1	5.90	17.1
Caramba	10.5	90.0	14.2	17.4	7.68	19.5
Caramba	10.5.1	76.3	10.0	16.3	6.23	9.7
Caramba	5 days after 10.5.1 treatments are applied	80.0	10.6	16.5	6.78	17.0
Headline	9.0 (flag leaf fully emerged)	91.3	20.4	23.7	10.13	15.5
Headline	10.0 (boot stage)	90.0	15.5	19.2	9.13	16.9
Headline	10.5	77.5	8.8	14.2	10.38	12.3
LSD (0.05%)		13.2	7.1	NS	3.06	NS
Pr>F		0.0341	0.0133	0.0541	0.0294	0.2842
% C.V.		10.94	38.59	22.22	26.49	70.10

¹DON = Deoxynivalenol

Table 2. Yield and test weight by fungicide, fungicide and adjuvant rate and durum (Lebsock) growth stage at time of fungicide treatment Langdon, 2010.

	Fungicide Rate ¹	Growth Stage	Yield Bu. /acre	Test Weight Lbs. / bushel
Fungicide	Fl. oz./acre	 Feekes		
Untreated control	NA		79.5	58.5
DPX-LEM17	24	10.51 (early anthesis)	73.3	58.0
A9232D (Cogito EC)	7	10.51	78.2	58.1
Prosaro	6.5	10.5 (or approximately 5 days prior to 10.51)	78.9	58.6
Prosaro	6.5	10.5.1	83.0	58.7
Prosaro	6.5	5 days after 10.51 treatments are applied	81.1	59.3
Caramba	13.5	10.5	75.9	57.7
Caramba	13.5	10.5.1	85.0	59.3
Caramba	13.5	5 days after 10.5.1 treatments are applied	78.2	58.5
Headline	6	9.0 (flag leaf fully emerged)	72.9	57.9
Headline	6	10.0 (boot stage)	74.6	57.8
Headline	6	10.5	73.2	57.9
LSD (0.05%)			7.6	NS
Pr>F			0.0367	0.2170
% C.V.			6.82	1.60

All 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.

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