

NDSU Carrington Research Extension Center

2006

Evaluation of Fungicide Strategy for Ascochyta Control in Chickpea

Obs	Fungicide Treatment	Product Rate/Acre	Application Timing	Ascochyta Disease	Seed Size > 9 mm	Seed Size > 8 mm	Seed Size > 7 mm	100 KWT	Seeds / Pound	Test Weight	Seed Yield
				%	%	%	%	gms		lbs/bu	lbs/ac
1	Bravo +/- Headline	2 pints / 8.0 oz	Pre-bloom + 10 days	25	72.8	17.3	5.7	39.3	1171	60.3	1256
2	Bravo	2 pints	Pre-bloom	63	48.5	24.1	12.2	29.7	1675	59.5	637
3	Bravo +/- Endura	2 pints / 11.0 oz	Pre-bloom + 10 days	25	76.9	15.4	4.1	41.3	1099	60.7	1218
4	Bravo +/- Laredo	2 pints / 4.0 oz	Pre-bloom + 10 days	66	48.6	25.5	11.9	26.5	1761	59.8	631
5	Bravo +/- Proline + NIS	2 pints / 5.7 oz	Pre-bloom + 10 days	26	77.9	14.7	5.0	42.1	1082	60.9	1412
6	Bravo +/- Quadris	2 pints / 15.4 oz	Pre-bloom + 10 days	26	79.8	14.6	3.9	44.3	1024	60.3	1444
7	Endura	11.0 oz	Pre-bloom	48	53.1	24.7	9.9	26.7	1718	60.2	846
8	Headline	8.0 oz	Pre-bloom	51	63.3	22.5	8.1	34.8	1331	60.4	948
9	Laredo	4.0 oz	Pre-bloom	74	19.3	21.4	18.8	18.4	2517	58.4	285
10	Proline + Induce	5.7 oz + 0.125% v/v	Pre-bloom	51	65.2	19.9	8.1	35.2	1309	59.9	1051
11	Quadris	15.4 oz	Pre-bloom	59	38.2	25.1	16.0	21.6	2145	59.5	544
12	Untreated Check	NA	NA	79	22.8	18.5	14.1	17.6	2602	59.4	290
		MEAN		49.4	9.8	20.3	55.5	315	1620	60.0	880
		C.V.%		14.3	26.4	22.0	14.0	13.2	17.7	1.5	14.0
		LSD.05		10.2	3.7	6.4	11.2	60	413	NS	178
		LSD.01		13.7	5	8.6	15.1	80	555	NS	239
		#REPS		4	4	4	4	4	4	4	4

Planting Date = May 23 ; Harvest Date = August 30 ; Previous Crop = Barley

Chickpea Cultivar = Sierra

** The initial fungicide applications were made on June 28 and bloom initiated on July 3.

** Bravo Weatherstick was the product type used.

** The seed size data as reported reflect the % of the seed sample remaining on top of the sieves stacked in series.

** Ascochyta disease scores recorded on July 28 and are based on combination of incidence and severity.