

Performance of barley cultivars with and without fungicide¹ on yield and agronomic traits at Steele County, ND, 2015.

Cultivar	Leaf Disease		Leaf Rust		FHB Severity		FHB Intensity		FHB Index		Test Weight		Plumps		Protein		Yield		DON	
	No Fung	Fung	No Fung	Fung	No Fung	Fung	No Fung	Fung	No Fung	Fung	No Fung	Fung	No Fung	Fung	No Fung	Fung	No Fung	Fung	No Fung	Fung
	----%----		----%----		----(0-100)----		----%----		----%----		---lb/bu---				----%----		----bu/ac----		----ppm----	
CDC Meredith	25.0	17.0	3.8	3.2	1.4	0.5	13.3	6.7	0.2	0.1	45.0	45.9	95.1	96.8	12.7	12.2	83.0	85.7	1.1	0.9
Celebration	29.3	20.3	4.3	4.3	7.5	5.8	30.0	33.3	3.6	2.4	44.4	46.4	99.3	99.1	13.5	14.0	72.2	95.7	3.2	1.5
Conlon	32.0	22.7	2.8	3.2	9.4	7.7	40.0	33.3	4.4	2.9	49.5	50.5	98.9	99.2	12.1	12.2	76.9	90.4	2.9	1.8
Innovation	23.3	26.3	4.8	4.5	8.3	5.9	40.0	33.3	3.2	2.3	50.6	48.4	99.3	99.2	13.0	13.1	85.9	87.5	2.4	1.9
Lacey	26.3	16.0	6.3	4.2	10.3	5.3	26.7	33.3	2.9	2.0	48.0	47.8	99.0	99.0	13.2	12.9	85.2	98.6	4.1	1.7
ND Genesis	15.7	22.0	2.0	2.5	7.7	8.2	40.0	33.3	3.3	3.0	46.8	48.9	99.0	98.4	10.3	10.4	91.1	98.7	3.1	1.2
Pinnacle	90.3	24.3	36.7	3.7	11.8	2.8	50.0	30.0	7.1	0.8	44.2	46.2	95.1	98.1	10.8	10.3	53.9	88.5	1.6	1.0
Quest	27.0	15.7	4.5	4.0	10.6	5.7	30.0	26.7	3.5	2.0	42.6	48.1	98.3	97.9	13.1	12.8	73.0	77.1	1.6	1.0
Stellar-ND	33.7	24.0	6.8	5.5	8.3	2.3	30.0	13.3	2.5	0.6	47.8	44.8	99.0	99.3	12.4	12.7	71.6	88.4	2.7	1.1
Tradition	22.0	27.7	5.7	2.5	3.2	2.8	20.0	23.3	1.0	0.7	47.3	45.7	99.3	98.8	13.0	13.2	81.7	96.9	2.0	1.7
Mean	32.5	21.6	7.8	3.8	7.8	4.7	32.0	26.7	3.2	1.7	46.6	47.3	98.2	98.6	12.4	12.4	77.4	90.7	2.4	1.4
CV	30.9		45.6		68.3		43.9		127.2		8.1		0.8		3.4		9.6		44.4	
LSD 0.05	13.6		4.3		5.9		21.0		4.3		6.2		1.3		0.6		13.2		1.0	

¹ Fungicide consisted of ProstarTM at 6.5 fl oz/acre + NIS 2 pt/100 gal at Feekes 10.5.