

Performance of barley varieties, with and without the application of fungicide at heading, Finley ND, 2010.

Variety	Plumps		500 kernal		Protein		Test Weight		Yield	
	No Fung	Fungicide	No Fung	Fungicide	No Fung	Fungicide	No Fung	Fungicide	No Fung	Fungicide
	(%)		(gm)		(%)		(lb/bu)		(bu/a)	
Celebration	61.5	66.6	17.6	18.1	14.7	15.3	47.4	47.8	86.7	106.2
ND 20448	84.4	89.5	19.3	19.8	13.9	13.3	48.8	48.9	96.5	112.7
Quest	67.8	74.6	19.0	19.6	13.6	13.6	47.6	48.5	96.3	113.6
Rasmussen	58.4	65.4	19.4	19.2	14.2	14.1	48.0	48.0	91.6	121.2
Tradition	82.9	84.8	19.6	19.8	14.3	13.8	49.7	49.6	104.4	116.8
Average	71.0	76.2	19.0	19.3	14.1	14.0	48.3	48.5	95.1	114.1
c.v.	14.8		3.5		3.3		1.6		6.3	
LSD 0.05	18.9		1.2		0.8		1.2		11.3	

Variety	Leaf Disease		FHB Severity		Height		Lodging		DON	
	No Fung	Fungicide	No Fung	Fungicide	No Fung	Fungicide	No Fung	Fungicide	No Fung	Fungicide
	(%)		(%)		(cm)		(0-9)		(ppm)	
Celebration	1.5	2.7	0.4	0.0	87.0	94.3	9.0	8.3	0.03	0.01
ND 20448	2.5	1.5	0.0	0.1	104.0	102.3	2.7	1.0	0.01	0.01
Quest	4.7	4.9	0.0	0.0	99.0	102.0	7.0	1.7	0.01	0.01
Rasmussen	1.6	1.0	0.0	0.0	87.3	93.0	8.3	6.3	0.09	0.04
Tradition	1.6	1.4	0.0	0.0	96.3	97.0	4.3	2.3	0.06	0.00
Average	2.4	2.3	0.1	0.0	94.7	97.7	6.3	3.9	0.04	0.01
c.v.	44.9		358.0		3.0		31.0		114	
LSD 0.05	1.8		0.4		5.0		2.7		0.05	

The trial was planted April 9, 2010 on tilled land that had previously been planted to wheat.

The fungicide treatment consisted of Prosaro at 6.5 oz/A applied when the varieties had just headed (Feekes 10.5).

The trial was harvested August 3, 2010. Nitrogen was applied at the rate of 150 lb/A on May 3rd.