

Performance of barley cultivars with and without fungicide¹ on yield and agronomic traits at Finley, ND, 2012.

Cultivar	Height	Protein		Test Weight		1000 kwt		Plumps	Yield	
	Combined	No Fung	Fung	No Fung	Fung	No Fung	Fung	Combined	No Fung	Fung
	---cm---	-----%-----		-----lb/bu-----		-----g-----		---%---	-----bu/ac-----	
Celebration	71.2	15.0	14.8	13.5	13.6	65.3	69.0	67.2	41.9	42.7
Conlon	65.7	14.0	14.1	13.3	14.4	81.9	85.0	83.4	44.2	47.8
Innovation	72.5	14.2	13.9	13.5	13.6	72.9	73.0	73.0	44.8	45.5
ND 22421	65.2	14.2	14.5	14.2	13.5	78.7	78.6	78.7	42.3	42.4
Pinnacle	73.3	12.8	12.6	15.8	16.0	83.8	84.1	84.0	43.9	45.0
Quest	74.5	14.3	14.4	13.6	13.4	67.7	69.1	68.4	43.3	43.7
Stellar-ND	72.5	13.9	14.2	13.6	13.7	74.5	72.3	73.4	43.0	42.1
Tradition	72.5	14.2	14.3	13.5	13.9	73.6	72.6	73.1	43.8	44.3
Mean	70.9	14.1	14.1	13.9	14.0	74.8	75.5	75.1	43.4	44.2
CV	3.8	2.0		4.3		4.3		4.3	4.5	
LSD 0.10	2.7	0.6 ²		0.6 ²		3.2 ²		2.7	1.9 ²	

¹ Fungicides consisted of Prosaro at 6.5 fl oz/acre + NIS 2 pt/100 gal at Feekes 10.51.

² Significant by variety averaged over fungicide for comparisons, though not significant (NS) for variety by fungicide.