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Crop Zones in South Dakota

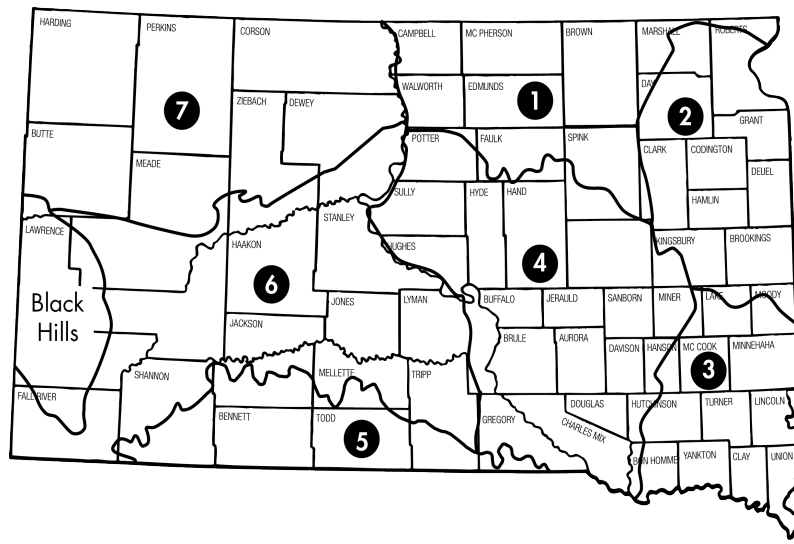


Table 1. Barley Varieties included in 2016 Variety Trial

Variety	End Use ¹	Origin ²	Year of Release
Six-Row			
Innovation	MT	BARI	2009
Lacey	M/F	MN	1999
Quest	M/F	MN	2010
Tradition	M/F	BARI	2003
Two-Row			
Conlon	M/F	ND	1996
ND Genesis	M/F	ND	2015
Pinnacle	M/F	ND	2006

¹ M = malting; MT = being tested in plant-scale tests for malting and brewing quality; F = feed;

² BARI = Busch Agricultural Resources Inc.; MN = University of Minnesota; ND = North Dakota State University.

Table 2. Planting and harvest dates, previous crop, seeding rate

Variety	Planting Date	Harvest Date	Previous Crop	Seeding rate
Draper	4/4/16	8/4/16	Sorghum	1.22 million plants/ac
Wall	3/29/16	7/15/16	Fallow	1.22 million plants/ac

Table 3a. 2016 Draper, Barley Variety Performance - Average yield, test weight, protein, height and lodging. All values are adjusted to 13% moisture where necessary

Variety	Crop Zone 6				
	Draper				
	Yield (bu/ac)	Test Wt. (lb/bu)	Protein (%)	Height (in)	Lodging (1-5)
Conlon	49	44.9	12.6	30	2.75
Innovation	37	42.4	12.7	25	2.25
Lacey	43	43.2	12.4	28	2.5
ND Genesis	53	43.3	11.6	23	3.25
Pinnacle	46	42.9	11.3	30	3
Quest	45	42.3	12.0	30	3
Tradition	45	43.1	13.0	25	2.25
Average	45.5	43.2	12.2	27.3	2.7
†LSD	8.46	0.79	0.45	-	-

† Yield, test weight or protein value required to determine if varieties are significantly different from one another with 95% confidence. Bolded values are not statistically different from the highest value

Table 3b. 2016 Wall, Barley Variety Performance - Average yield, test weight, protein, height and lodging. All values are adjusted to 13% moisture where necessary

Variety	Crop Zone 6				
	Wall				
	Yield (bu/ac)	Test Wt. (lb/bu)	Protein (%)	Height (in)	Lodging (1-5)
Conlon	45	41.3	12.4	28	1.0
Innovation	61	40.3	12.3	29	1.0
Lacey	53	39.6	12.1	28	1.0
ND Genesis	68	41.8	10.6	27	1.0
Pinnacle	56	39.8	11.1	26	1.0
Quest	47	38.8	11.9	27	1.0
Tradition	52	40.8	12.0	28	1.0
Average	54.6	40.3	11.8	27.3	1.0
†LSD	11.64	1.04	0.39	-	-

† Yield, test weight or protein value required to determine if varieties are significantly different from one another with 95% confidence. Bolded values are not statistically different from the highest value