

**North Central Research Extension Center—Minot
Barley Variety Trial—Benson County**

Variety	Plant Height in	% Plump >6/64	% Thin <5/64	Kernel Weight g/1000	Test Weight lb/bu	Protein %	Grain Yield				
							2003	2004	2005	Year	Year
Six-Row											
Drummond	26	79	3	31.8	45.9	10.5	--	111.0	65.7	88.4	--
Excel	27	79	2	32.8	45.4	9.9	--	101.3	66.1	83.7	--
Lacey	27	85	1	34.5	47.0	10.4	--	109.1	72.5	90.8	--
Legacy	28	81	1	32.0	46.1	10.4	--	107.7	68.8	88.3	--
Robust	29	78	9	32.8	46.5	10.7	--	85.5	56.9	71.2	--
Stellar-ND	27	90	--	34.0	46.2	10.5	--	99.0	70.3	84.7	--
Tradition	27	82	2	32.5	46.5	10.2	--	114.4	62.1	88.3	--
Two-Row											
AC Metcalfe	25	66	19	31.5	45.4	11.0	--	98.7	60.7	79.7	--
Conlon	26	89	0	39.8	46.9	10.5	--	84.1	65.3	74.7	--
Harrington	27	54	5	30.3	43.9	10.6	--	97.2	57.2	77.2	--
Haxby	25	81	12	38.5	48.0	10.0	--	--	71.5	--	--
Rawson	26	88	--	41.8	45.7	9.6	--	107.0	65.7	86.4	--
LSD 5%	3	13	NS	2.2	1.2	0.6	--	10.0	9.2	--	--
C.V.%	6.8	7.5	--	2.9	1.9	3.7	--	6.8	9.7	--	--
Mean	27	79	5	34.3	46.1	10.4	--	101.2	65.2	--	--

**North Central Research Extension Center—Minot
Barley Variety Trial—Renville County**

Variety	Plant Height in	% Plump >6/64	% Thin <5/64	Lodge 0-9	Kernel Weight g/1000	Test Weight lb/bu	Protein %	Grain Yield				
								2003	2004	2005	Year	Year
Six-Row												
Drummond	30	79	3.0	4.8	35.0	43.4	11.6	61.7	139.7	92.4	116.1	97.9
Excel	30	79	2.4	3.5	34.3	44.1	12.0	65.5	136.8	84.0	110.4	95.4
Lacey	33	85	1.4	3.3	36.0	45.4	12.7	69.5	143.1	98.5	120.8	103.7
Legacy	34	81	0.2	2.5	35.5	44.1	13.0	60.8	137.8	98.1	118.0	98.9
Robust	34	78	8.7	3.3	34.8	46.3	13.0	58.3	132.5	87.8	110.2	92.9
Stellar-ND	34	90	--	4.5	34.0	43.6	12.3	66.8	137.0	101.7	119.4	101.8
Tradition	31	82	1.8	3.8	32.0	43.8	11.8	67.5	148.7	98.7	123.7	105.0
Two-Row												
AC Metcalfe	30	66	18.5	4.3	35.3	43.6	14.2	68.4	123.6	89.7	106.7	93.9
Conlon	28	89	--	8.8	37.5	45.8	12.6	59.0	123.0	92.1	107.6	91.4
Harrington	30	54	5.0	9.0	24.8	37.3	13.7	--	95.5	60.2	77.9	--
Haxby	31	81	11.6	6.5	35.3	46.5	12.8	--	--	115.2	--	--
Rawson	30	88	--	3.0	46.3	43.6	11.0	--	128.5	100.9	114.7	--
LSD 5%	3	13	NS	1.6	6.6	0.8	0.7	NS	8.6	10.2	--	--
C.V.%	6.2	7.5	--	22.5	8.6	1.2	3.8	10.7	4.5	7.6	--	--
Mean	31	79	4.4	4.8	35.0	44.0	12.5	63.8	132.3	93.3	--	--

Lodging score based on scale 0-9 (0=upright, 9=flat)