

Table 14. 1987 Dickinson Barley Variety Trial

Variety	Bu/A Avg.	Test Wt. Lbs.	Heading Date	Height In.
Gallatin	72.5	49.5	22-Jun	23
Hector	70.5	50.0	23-Jun	23
Ellice	64.6	47.0	22-Jun	24
Lewis	63.3	51.0	25-Jun	23
ND 8671	62.9	47.5	23-Jun	23
Azure *	61.9	44.5	19-Jun	25
Robust *	61.5	47.5	22-Jun	23
Hazen *	61.2	46.5	22-Jun	23
ND 8376 *	60.5	45.5	23-Jun	21
ND 7691	57.4	47.5	24-Jun	23
Morex *	56.4	48.0	18-Jun	22
Bowman	52.3	50.5	19-Jun	22
ND 8377 *	51.2	46.5	22-Jun	20
ND 7309 *	49.8	45.5	22-Jun	22
B 1601 *	47.8	45.5	19-Jun	24
*6-row variety				
Seeding Rate: 1.3 Bu/A				
Seeding Date: April 23 Harvest Date: August 4				
Fertilizer Applied: 50 lbs./A 18-46-0				
Herbicide Applied: Hoelon-Buctril tank mix				
L.S.D. 5% = 4.5 Bu/A C.V. = 7.4%				

Table 15. Long Term Yield Comparison – Barley

Variety	1983	1984	1985	1986	1987	Average
Azure	77.3	77.0	66.4	76.0	61.9	71.7
Hector	68.1	66.2	68.3	80.8	70.5	70.8
Morex	65.7	62.2	77.4	85.6	56.4	69.5
Bowman	67.7	84.9	73.6	82.2	52.3	72.1
Hazen	71.8	78.4	64.7	86.6	61.2	72.5
Robust	67.4	65.7	75.3	79.8	61.5	69.9
Lewis	---	---	77.5	95.9	63.3	78.9
Gallatin	---	---	---	99.3	72.5	85.9
LSD .05	6.3	6.1	10.7	7.3	4.5	7.3

Table 16. 1987 Dickinson Off-Station Barley Variety Trials

Variety	Dickinson	Beach	Beulah	Glen Ullin	Hannover	Manning	Average 6 Sites
Bushels per Acre							
Azure *	61.9	34.7	16.8	36.1	26.1	34.0	34.9
Bowman	52.3	35.8	22.0	33.3	24.8	35.4	33.9
Gallatin	72.5	45.0	25.4	47.4	31.6	47.1	44.9
Hector	70.5	47.8	28.5	45.4	29.9	45.4	44.6
Morex *	56.4	43.7	17.2	39.2	32.0	39.5	38.0
Robust *	61.5	41.3	26.1	45.0	41.3	45.4	43.4
Test Wt. lbs. / bu.							
Azure *	44.5	42.0	40.5	40.0	40.5	48.0	42.6
Bowman	50.5	49.0	49.0	48.5	48.0	51.0	49.3
Gallatin	49.5	48.5	48.5	48.5	48.5	51.5	49.2
Hector	50.0	48.5	48.0	48.0	48.5	51.5	49.1
Morex *	48.0	46.0	46.0	48.0	47.0	49.5	47.4
Robust *	47.5	47.5	47.0	48.5	47.0	50.0	47.9
*6-row							
Seeding Date:	Apr. 23	Apr. 27	Apr. 30	Apr. 29	Apr. 28	May 1	
Harvest Date:	Aug. 4	Aug. 3	Aug. 3	Aug. 13	Aug. 11	Aug. 10	
L.S.D. 5% :	4.5	6.2	2.9	5.0	4.2	12.3	6.6
C.V. (%) :	7.4	14.1	12.1	11.5	12.6	27.9	
Fertilizer Applied:	According to soil test at each site.						
Herbicide Applied:	Hoelon-Buctril tank mix						
Seeding Rate:	1.3 Bu/A						

Table 17. 1987 Dickinson Barley Small Plot Trial

Variety	Bu/A Avg.	Test Wt. Lbs.
Gallatin	65.2	45.0
ND 7691	63.8	43.5
Lewis	61.7	45.5
ND 8671	61.6	42.5
Ellice	58.7	43.5
Azure *	53.9	40.0
Bowman	53.0	45.0
ND 7309 *	51.8	40.0
Hazen *	49.9	40.0
ND 8377 *	49.5	40.0
ND 8376 *	49.0	40.0
Hector	46.5	45.0
Robust *	45.1	43.5
Morex *	38.8	42.0
B 1601 *	36.4	40.0
*6-row		
Seeding Rate: approx. 1.4 Bu/A		
Seeding Date: April 24 Harvest Date: Aug. 21		
Fertilizer Applied: 50 lbs./A 18-46-0 plus 36 lbs./A 46-0-0.		
Herbicide Applied: Hoelon-Buctril tank mix		
L.S.D. 5% = 4.6 Bu/A C.V. = 8.8%		