

Table 17. 1986 Dickinson Barley Variety Trial

Variety	Bu/A Avg.	Test Wt. Lbs.	Heading Date	Height In.
Gallatin	99.3	50.0	28-Jun	25
Ellice	96.3	45.0	02-Jul	25
Lewis	95.9	50.0	01-Jul	24
ND 6989	87.7	49.0	02-Jul	25
Hazen *	86.6	46.5	25-Jun	26
Morex *	85.6	49.0	22-Jun	26
ND 7691	85.3	49.0	02-Jul	23
Bowman	82.2	48.0	25-Jun	26
ND 8152 *	81.1	46.0	23-Jun	24
Hector	80.8	50.5	30-Jun	25
Robust *	79.8	49.0	24-Jun	25
ND 7265 *	76.3	43.5	23-Jun	25
Azure *	76.0	45.5	23-Jun	26
Glenn *	75.3	44.0	24-Jun	24
ND 7309 *	75.3	42.5	25-Jun	26
B 1601	72.9	47.0	23-Jun	27
*6-row				
Seeding Rate: 1.3 bu./ac.				
Seeding Date: April 28				
Fertilizer Applied: 50 lbs./ac. 18-46-0				
Herbicide Applied: Hoelon-Buctril tank mix				
L.S.D. 5% = 7.3 C.V. = 6.1%				

Table 18. Long Term Yield Comparison – Barley

Variety	Yield in Bushels per Acre					5 Year Average
	1982	1983	1984	1985	1986	
Azure	80.5	77.3	77.0	66.4	76.0	75.4
Glenn	77.4	57.1	61.2	53.1	75.3	64.8
Hector	80.8	68.1	66.2	68.3	80.8	72.8
Morex	75.6	65.7	62.2	77.4	85.6	73.3
Bowman		67.7	84.9	73.6	82.2	77.1
Hazen		71.8	78.4	64.7	86.6	75.4
Robust		67.4	65.7	75.3	79.8	72.1
LSD @ 5%	7.2	6.3	6.1	10.7	7.3	2.7

Table 19. 1986 Dickinson Off-Station Barley Variety Trials

Variety	Dickinson	Beulah	Manning	Average 3-Sites	Average 8-Sites
Bushels per Acre					
Azure *	76.0	96.4	63.2	78.5	72.3
Bowman	82.2	81.3	61.4	75.0	78.0
Hazen *	86.6	98.3	63.5	82.8	76.1
Hector	80.8	63.5	66.8	70.4	74.8
Morex *	85.6	84.7	65.5	78.6	74.6
Robust *	79.8	101.1	64.5	81.8	72.8
Test Wt. Lbs./Bu.					
Azure *	45.5	48.0	45.5	46.3	47.1
Bowman	48.0	50.5	50.0	49.5	50.4
Hazen *	46.5	49.0	46.0	47.2	47.5
Hector	50.5	47.0	50.0	49.2	49.7
Morex *	49.0	44.5	47.0	46.8	47.7
Robust *	49.0	48.5	46.5	48.0	48.5
*6-row					
Seeding Date:	Apr. 24	May 14	May 11		
Harvest Date:		Aug. 19	Aug. 18		
L.S.D. 5%:	7.3	9.3	3.4	7.1	
C.V. %:	6.1	10.0	5.0		
Fertilizer Applied: According to Soil Test at each site.					
Herbicide Applied: Hoelon-Buctril tank mix					
Seeding Rate: 1.3 bu./ac.					

Table 20. 1986 Hettinger Off-Station Barley Variety Trials

Variety	Hettinger	Regent	Flasher	Thunderhawk	Scranton	Average 5-Sites
Bushels per Acre						
Azure*	59.8	65.9	68.9	79.1	69.2	68.6
Bowman	76.1	84.1	75.6	93.2	69.7	79.7
Hazen*	52.7	77.4	75.4	88.0	66.9	72.1
Hector	71.4	77.5	75.4	88.7	74.6	77.5
Morex*	66.2	68.4	78.1	82.5	65.5	72.1
Robust*	56.5	72.1	68.9	80.5	59.2	67.4
Test Weight per Bushel						
Azure*	45.9	47.7	48.5	45.4	50.5	47.6
Bowman	51.5	49.2	50.0	49.6	54.1	50.9
Hazen*	44.9	48.0	48.5	46.0	50.7	47.6
Hector	49.9	49.8	49.8	48.2	52.6	50.1
Morex*	47.3	46.7	49.2	46.4	51.2	48.2
Robust*	46.7	48.9	49.6	46.9	51.8	48.8
*6-row						
Seeding Date:	Apr. 21	Apr. 22	Apr. 23	Apr. 23	Apr. 22	
Harvest Date:	Aug. 14	Aug. 16	Aug. 17	Aug. 17	Aug. 16	
L.S.D. 5%:	12.0	5.1	5.4	5.8	7.6	
C.V.%:	14.0	4.6	4.9	4.5	7.4	
Fertilizer Applied: According to Soil Test at each site.						
Seeding Rate: 1.3 bu./ac.						

Table 21. 1986 Dickinson Barley Small Plot Trial

Variety	Bu/A Avg.	Test Wt. Lbs.
Bowman	99.9	49.0
ND 8152 *	96.6	45.0
ND 7309 *	96.1	45.0
Ellice	94.9	48.5
Glen *	94.5	43.5
ND 7265	92.9	44.0
Lewis	91.8	49.5
Gallatin	91.3	49.5
ND 6989	90.7	50.0
Hazen	89.0	45.0
ND 7691	87.5	47.5
B 1601	84.7	44.0
Azure *	83.4	46.0
Robust *	82.1	47.0
Morex *	79.1	45.5
Hector	78.5	48.0
*6-row		
Seeding Rate: 1.3 bu./ac.		
Seeding Date: May 15 Harvest Date: Aug. 25		
Herbicide Applied: Hoelon-Buctril tank mix		
L.S.D. 5% = 9.3 C.V. = 10.3%		