

Table 16. Barley Variety Trials

Variety	Avg. yield bu/acre	Test Weight	Heading Date	Height Inches
Larker	42.9	43.5	6-26	35
Bedford	52.5	44.5	7-1	35
Dickson	39.3	43.0	7-1	36
Glenn	45.4	42.0	6-26	37
Morex	52.0	43.0	7-1	37
Valley	46.9	41.0	7-1	36
Bumper	48.4	41.5	7-1	36
ND 1156	49.9	41.5	6-29	34
Fairfield	49.9	42.5	7-6	33
ND 3715	42.9	39.5	7-2	33
ND 4208	43.9	39.5	7-1	36
ND 4242	39.9	41.0	6-29	37
ND 5377	43.4	40.0	7-1	35
ND 5424	39.9	42.5	6-29	37
Hector 2R	53.0	45.0	7-5	35
Klages 2R	36.8	47.5	7-12	32
ND 4758	42.8	48.0	7-7	31
Ridawn 2R	38.8	46.0	7-15	30
Summit 2R	47.9	45.5	7-7	31
Clark 2R	53.5	43.5	7-8	32
Lsd 4.4 bpa				
CV 10%				

Table 17. Long Term Yield Comparison – Barley Varieties

Variety	1977	1978	1979	1980	1981	5 – yr Avg.
Larker	35	54	63	27	43	44
Glenn	34	66	56	35	45	47
Hector	58	72	72	44	53	60
Summit	44	76	72	38	48	56
Morex		62	64	34	52	
Ridawn					39	
Bumper					48	

Table 18. Barley Variety Trials – Dickinson and Off-Station Sites – 1981**Yield in Bushels per Acre**

Variety	Dickinson	Beach	Beulah	Bowman	Center	Glen Ullin	Manning	Regent	Average 8 – sites
Glenn	45.4	33.1	41.3	33.0	52.3	42.3	22.4	41.9	39.0
Morex	52.0	38.7	42.7	36.2	71.9	39.2	22.0	43.3	43.0
Hector	53.0	40.4	47.5	41.3	58.5	46.1	25.4	51.2	45.4
Bumper	48.4	37.9	50.2	32.5	58.1	45.4	20.2	46.8	42.4
Ridawn	38.8	45.6	46.4	31.6	54.0	36.5	23.2	35.4	38.9
Lsd, bpa	4.4	7.0	5.0	1.8	8.7	3.9	1.3	4.1	
CV %	10.0	16.0	10.0	6.0	13.0	8.0	5.0	8.0	
Variety	Test Weight per Bushel								
Glenn	41.0	33.1	41.3	41.5	41.5	46.0	41.5	42.0	41.1
Morex	43.0	38.7	42.7	43.5	44.5	43.5	44.0	43.5	42.9
Hector	45.0	40.4	47.5	46.0	46.0	46.0	47.5	46.5	45.6
Bumper	41.5	37.9	50.2	40.0	48.5	44.0	42.5	41.0	43.2
Ridawn	46.0	45.6	46.4	43.0	45.0	43.0	44.5	42.0	44.4