

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 |