

**North Central Research Extension Center—Minot
Forage Variety Trial—Cool Season**

| Variety | Days to Plant | | ADF | NDF | Ca | P | Mg | K | S | Protein Sol. | Crude Protein | Hay | | Silage | |
|---------------|---------------|--------|-----|-----|-----|-----|-----|-----|-----|--------------|---------------|----------|----------|----------|----------|
| | Head | Height | | | | | | | | | | 2003 T/A | 2004 T/A | 2003 T/A | 2004 T/A |
| | DAP | in | % | % | % | % | % | % | % | % | % | 10% | 10% | 70% | 70% |
| Hays Barley | 73 | 29 | 36 | 59 | 0.5 | 0.3 | 0.2 | 2.6 | 0.3 | 30.2 | 14.4 | -- | 3.1 | -- | 5.3 |
| Haybet Barley | 67 | 27 | 34 | 54 | 0.3 | 0.3 | 0.2 | 2.3 | 0.3 | 33.2 | 13.3 | -- | 3.5 | -- | 5.9 |
| Jerry | 68 | 30 | 37 | 59 | 0.5 | 0.3 | 0.2 | 2.6 | 0.3 | 21.7 | 11.3 | -- | 3.9 | -- | 6.6 |
| Forage Plus | 73 | 30 | 39 | 63 | 0.5 | 0.3 | 0.2 | 2.9 | 0.3 | 25.1 | 11.8 | -- | 2.8 | -- | 4.8 |
| LSD 5% | 6 | NS | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | NS | -- | NS |
| C.V.% | 5.6 | 16.5 | -- | 0.1 | -- | 0.1 | -- | -- | -- | 0.1 | -- | -- | 23.2 | -- | 23.1 |
| Mean | 71 | 29 | 35 | 57 | 0.4 | 0.3 | 0.2 | 2.4 | 0.3 | 30.0 | 13.8 | -- | 3.4 | -- | 5.7 |

DAP=Days after planting

ADF=Acid-detergent fiber

NDF=Neutral-detergent fiber

Nutrients: Ca=Calcium, P=Phosphorus, Mg=Magnesium, K=Potassium, S=Sulfur

**North Central Research Extension Center—Minot
Forage Variety Trial—Warm Season**

| Variety | Days to Plant | | ADF | NDF | Ca | P | Mg | K | S | Protein Sol. | Crude Protein | Hay | | Silage | |
|------------------|---------------|--------|------|------|-----|-----|-----|-----|-----|--------------|---------------|----------|----------|----------|----------|
| | Head | Height | | | | | | | | | | 2003 T/A | 2004 T/A | 2003 T/A | 2004 T/A |
| | DAP | in | % | % | % | % | % | % | % | % | % | 10% | 10% | 70% | 70% |
| Cerise Red Proso | 68 | 37 | 35.0 | 53.8 | 0.9 | 0.2 | 0.6 | 1.9 | 0.4 | 28.2 | 9.9 | 3.1 | 2.2 | 9.4 | 3.8 |
| Piper Sudangrass | 75 | 69 | 37.8 | 59.8 | 0.8 | 0.2 | 0.4 | 1.5 | 0.3 | 14.5 | 8.8 | 4.7 | 2.5 | 14.1 | 4.3 |
| Highland Sweet | 78 | 62 | 35.2 | 55.6 | 0.8 | 0.2 | 0.4 | 1.6 | 0.3 | 25.3 | 9.4 | 5.6 | 2.8 | 16.8 | 4.8 |
| LSD 5% | -- | 5 | 0.1 | 0.1 | -- | -- | -- | -- | -- | -- | -- | 1.1 | 0.5 | 3.4 | 0.8 |
| C.V.% | -- | 4.8 | 0.1 | 0.1 | -- | -- | -- | 0.1 | -- | 0.1 | -- | 15.3 | 11.8 | 15.5 | 11.8 |
| Mean | 74 | 56 | 35.8 | 54.9 | 0.9 | 0.2 | 0.6 | 1.9 | 0.4 | 26.4 | 10.6 | 4.6 | 2.3 | 13.7 | 3.8 |

DAP=Days after planting

ADF=Acid-detergent fiber

NDF=Neutral-detergent fiber

Nutrients: Ca=Calcium, P=Phosphorus, Mg=Magnesium, K=Potassium, S=Sulfur