

**NDSU Carrington Research Extension Center
2015 Variety Trial Data**

Warm-season Forage

| Forage Type | ----- Harvest 1 ----- | | | | | ----- Harvest 2 ----- | | | |
|------------------|-----------------------|-------------|--------------|------------------|--------------------|-----------------------|------------------|--------------------|------------------------|
| | Harvest Date-1 | Plant Lodge | Plant Height | Harvest Moisture | Yield-1 Dry Matter | Plant Height | Harvest Moisture | Yield-2 Dry Matter | Total Yield Dry Matter |
| | | 0-9 | inch | % | ton/ac | inch | % | ton/ac | ton/ac |
| German Millet | 11-Aug | 0.0 | 35.6 | 79.8 | 2.37 | . | . | . | 2.37 |
| Japanese millet | 3-Aug | 1.3 | 34.8 | 78.8 | 1.89 | 20.5 | 56.8 | 1.26 | 3.15 |
| Pearl Millet | 3-Aug | 0.0 | 36.4 | 81.1 | 1.80 | 27.6 | 72.8 | 1.73 | 3.53 |
| Red Proso Millet | 6-Aug | 0.0 | 36.6 | 81.8 | 1.55 | . | . | . | 1.55 |
| Siberian Millet | 3-Aug | 0.0 | 36.8 | 75.8 | 2.13 | . | . | . | 2.13 |
| Sorghum/Sudan | 6-Aug | 0.0 | 50.8 | 84.5 | 1.85 | 36.7 | 71.3 | 1.80 | 3.65 |
| Sudangrass | 6-Aug | 0.0 | 56.1 | 84.2 | 1.79 | 47.6 | 69.1 | 2.41 | 4.19 |
| Mean | | 0.2 | 41.0 | 80.9 | 1.91 | 33.1 | 67.5 | 1.80 | 2.94 |
| C.V. (%) | | 202.6 | 6.4 | 1.3 | 7.10 | 13.7 | 5.0 | 18.3 | 10.9 |
| LSD 0.05 | | 0.5 | 3.9 | 1.5 | 0.20 | 7.3 | 5.4 | 0.52 | 0.50 |

Planting Date = June 10; Harvest Date - First Cut = Various, Second Cut = October 7; Previous Crop = Flax

**NDSU Carrington Research Extension Center
2015 Variety Trial Data**

Cool-season Forage

| Variety | Forage Type | Harvest Stage | Harvest Date | Days to Heading | Days to Bloom | Cereal Height | Legume Height | Plant Lodge | Harvest Moisture | Yield Dry Matter |
|---------------|--------------------|-----------------------|--------------|-----------------|---------------|---------------|---------------|-------------|------------------|------------------|
| | | | | | | inch | inch | 0-9 | % | ton/ac |
| Colt | forage oat | early milk | 1-Jul | 55.8 | . | 31.7 | . | 0.0 | 72.9 | 2.09 |
| Derby | forage oat | early milk | 9-Jul | 65.8 | . | 37.4 | . | 0.0 | 76.4 | 2.72 |
| E-126 | forage oat | fully headed | 13-Jul | 73.3 | . | 34.6 | . | 0.0 | 80.5 | 2.80 |
| E-126/Arvika | for.oat/for.pea | 75% head/pods swell | 13-Jul | 74.5 | 60.0 | 32.7 | 35.2 | 1.5 | 80.9 | 2.60 |
| E-126/Flex | for.oat/for.pea | 75% head/pods swell | 13-Jul | 74.3 | 58.5 | 32.5 | 35.0 | 0.3 | 79.9 | 2.86 |
| Goliath | grain oat | early milk | 6-Jul | 63.0 | . | 41.4 | . | 0.0 | 76.9 | 2.45 |
| Haybet/Arvika | for.oat/for.pea | late milk/flat pod | 9-Jul | 64.0 | 59.8 | 27.6 | 33.9 | 6.8 | 79.2 | 2.21 |
| Haybet | forage barley | early dough | 6-Jul | 60.8 | . | 30.9 | . | 0.0 | 72.8 | 2.56 |
| Haybet/Flex | for.barley/for.pea | soft dough/flat pod | 9-Jul | 61.3 | 58.8 | 29.9 | 31.7 | 2.5 | 74.6 | 2.69 |
| Hays | forage barley | early dough | 3-Jul | 63.5 | . | 26.1 | . | 0.0 | 74.2 | 2.27 |
| Kona | forage oat | early milk | 9-Jul | 66.5 | . | 31.3 | . | 0.0 | 75.7 | 2.71 |
| Kona/Arvika | for.oat/for.pea | early milk/pods swell | 9-Jul | 67.3 | 60.0 | 30.9 | 34.4 | 2.8 | 80.7 | 2.11 |
| Kona/Flex | for.oat/for.pea | early milk/flat pod | 9-Jul | 65.8 | 58.8 | 31.3 | 33.1 | 0.0 | 79.1 | 2.28 |
| Newberg | grain oat | early milk | 6-Jul | 62.0 | . | 37.4 | . | 0.0 | 76.2 | 2.30 |
| Paul | grain oat | early milk | 13-Jul | 65.5 | . | 37.8 | . | 0.0 | 73.7 | 2.89 |
| Rockford | grain oat | early milk | 6-Jul | 62.3 | . | 36.2 | . | 0.0 | 75.8 | 2.51 |
| Stockford | forage barley | early dough | 6-Jul | 60.8 | . | 27.6 | . | 0.0 | 76.3 | 2.43 |
| Trical 141 | forage triticale | end anthesis | 6-Jul | 63.0 | . | 47.6 | . | 0.0 | 75.4 | 2.52 |
| Trical 2700 | forage triticale | mid anthesis | 6-Jul | 61.0 | . | 45.9 | . | 0.0 | 74.9 | 2.40 |
| Wheatly | forage triticale | full anthesis | 1-Jul | 58.8 | . | 38.2 | . | 0.0 | 77.8 | 1.93 |
| Mean | | | | 64.4 | 59.3 | 34.4 | 33.6 | 0.7 | 76.7 | 2.47 |
| C.V. (%) | | | | 1.4 | 1.6 | 5.5 | 7.1 | 37.6 | 2.6 | 11.5 |
| LSD 0.05 | | | | 1.2 | 1.4 | 2.7 | 3.6 | 0.4 | 2.8 | 0.40 |

Planting Date = April 29; Harvest Date = Various, by crop stage; Previous Crop = Flax