# COLLEGE STATION – 2006
# COOL-SEASON FORAGE TRIAL

**Gaylon Morgan, State Small Grains Specialist**

**Ben McKay, Extension Assistant**

**Jacob Shaffer, Graduate Assistant**

**Texas Cooperative Extension, TAMU**

**Purpose:** To provide unbiased yield data for cool-season forage producers across the state. With this information, Texas forage producers can make an educated decision about the most appropriate cool-season forage for their geographic region.

**Location:** College Station, TX

**Cooperators:** Texas A&M Farm Services

**Planting date:** October 3, 2005

**Soil conditions at planting:** dry

**Precipitation:** limited season-long

**Temperatures:**

**Low temperature:** 24° F on December 8
**Date of last freeze:** March 24
**Total days of freezing temperatures 32° F or below:** 13
(National Weather Service records for College Station)

**Fertility:** 275 lb/A 18-9-3 applied before plant, 140 lb/A 32-0-0 (UAN) top-dress applied February 10.

**Pest control:** Finesse herbicide and Dimethoate insecticide were applied on February 10.

# COLLEGE STATION COOL-SEASON FORAGE TRIAL – 2006

| Name | Class | Forage yield (lbs. dry matter / acre) 1/31/06 | 3/24/06 | Total |
|---|---|---|---|---|
| Harrison | oat | 2175.4 | 3045.5 | 5220.9 |
| TAMO 405 | oat | 2517.0 | 2356.5 | 4873.5 |
| TXO2U7473* | oat | 3295.3 | 1469.2 | 4764.6 |
| TXO2U7344* | oat | 1758.4 | 2647.8 | 4406.2 |
| Doyce | barley | 1791.3 | 2529.5 | 4320.9 |
| Thoroughbred | barley | 1973.0 | 2036.8 | 4009.8 |
| Fannin | hard wheat | 1598.5 | 2391.8 | 3990.3 |
| Coker 9553 | soft wheat | 1665.8 | 2254.8 | 3920.6 |
| TAMCALE 6331 | tritcale | 1910.7 | 1945.4 | 3856.1 |
| Textri† | tritcale | 1623.9 | 1991.5 | 3615.4 |
| Crawford | soft wheat | 1312.1 | 2188.3 | 3500.4 |
| TAMCALE 5019 | tritcale | 1057.7 | 2286.1 | 3343.8 |
| | **Mean** | **1284.7** | **1631.8** | **2916.5** |
| | **LSD (.05)** | **583.4** | **702.6** | **1080.5** |

* Experimental breeding line

† Textri is a variety blend by Richardson Seeds.

# MCGREGOR – 2006
# COOL-SEASON FORAGE TRIAL

**Gaylon Morgan, State Small Grains Specialist**

**Ben McKay, Extension Assistant**

**Jacob Shaffer, Graduate Assistant**

**Donald Kelm, McLennan County Agent**

**Texas Cooperative Extension, TAMU**

**Purpose:** To provide unbiased yield data for cool-season forage producers across the state. With this information, Texas forage producers can make an educated decision about the most appropriate cool-season forage for their geographic region.

**Location:** McGregor, TX

**Cooperators:** Texas A&M University Agricultural Research Center, McGregor

**Planting date:** October 4, 2005

**Soil conditions at planting:** adequate moisture

**Precipitation:** limited season-long

**Temperatures:**

**Low temperature:** 17° F on December 9
**Date of last freeze:** March 24
**Total days of freezing temperatures 32° F or below:** 34
(National Weather Service records for Waco)

**Fertility:** 275 lb/A 18-9-3 applied before plant, 140 lb/A 32-0-0 (UAN) top-dress applied February 1.

**Weed control:** None.

# MCGREGOR COOL-SEASON FORAGE TRIAL – 2006

| Name | Class | Forage yield (lbs. dry matter / acre) 12/21/06 | 3/27/06 | Total |
|---|---|---|---|---|
| TX96DO93* | oat | 108.9 | 6967.9 | 7076.8 |
| Trit2[†] | triticale | 430.4 | 6539.2 | 6969.6 |
| TAMO 405 | oat | 176.3 | 6645.6 | 6821.9 |
| TAMCALE 6331 | triticale | 409.7 | 6302.9 | 6712.6 |
| Longhorn | hard wheat | 280.0 | 6068.5 | 6348.5 |
| Dallas | oat | 103.7 | 6206.7 | 6310.4 |
| Textri[‡] | triticale | 378.6 | 5890.0 | 6268.6 |
| Horizon 314 | oat | 103.7 | 6064.4 | 6168.1 |
| AGRTS 101* | triticale | 186.7 | 5899.5 | 6086.2 |
| Fannin | hard wheat | 228.2 | 5802.2 | 6030.4 |
| TXO2U7473* | oat | 223.0 | 5750.1 | 5973.1 |
| TXO2U7344* | oat | 114.1 | 5858.0 | 5972.1 |
| Thoroughbred | barley | 311.1 | 5427.1 | 5738.2 |
| Coker 9553 | soft wheat | 202.2 | 5418.0 | 5620.3 |
| TAMCALE 5019 | triticale | 321.5 | 5292.8 | 5614.3 |
| Buck Forage | oat | 160.8 | 5354.9 | 5515.7 |
| Trical 348 | triticale | 171.1 | 5335.5 | 5506.6 |
| Callao | barley | 171.1 | 5295.8 | 5466.9 |
| TXD 3232* | hard wheat | 171.1 | 5174.6 | 5345.7 |
| Sturdy 2K | hard wheat | 197.1 | 5102.3 | 5299.3 |
| Doyce | barley | 212.6 | 4939.7 | 5152.3 |
| Harrison | oat | 321.5 | 4769.3 | 5090.8 |
| TXV1117* | hard wheat | 212.6 | 4815.6 | 5028.2 |
| Elbon | cereal rye | 114.1 | 4815.5 | 4929.5 |
| Mason | soft wheat | 212.6 | 4659.6 | 4872.2 |
| Deliver | hard wheat | 165.9 | 4704.6 | 4870.5 |
| Coronado | hard wheat | 269.7 | 4524.3 | 4794.0 |
| Coker 9663 | soft wheat | 98.5 | 4639.1 | 4737.6 |
| HG - 9 | hard wheat | 290.4 | 4387.2 | 4677.6 |
| Crawford | soft wheat | 114.1 | 4095.7 | 4209.8 |
| TAM 111 | hard wheat | 165.9 | 4037.4 | 4203.3 |
| Price | barley | 181.5 | 3226.6 | 3408.1 |
| Endurance | hard wheat | 171.1 | 3208.0 | 3379.2 |
| Cutter | hard wheat | 274.8 | 2842.1 | 3117.0 |
| Nomini | barley | 264.5 | 4185.8 | 3055.0 |
| Austrian Winter Pea | legume | 233.4 | 2591.7** | 2801.7 |
| Hubam Sweetclover | legume | 134.8 | 3977.8** | 2228.0 |
| TAM 90 | ryegrass | 62.2 | 1762.6** | 1824.8 |
| Medallion alfalfa | legume | 62.2 | 1478.4** | 1564.0 |
| | **Mean** | **202.8** | **4801.8** | **4908.5** |
| | **LSD (.05)** | **249.4** | **1531.6** | **1714.5** |

* Experimental breeding line
** Second harvest occurred 4/20/06, not 3/27/06.
[†] Trit2 is a variety blend by Warner Seeds.
[‡] Textri is a variety blend by Richardson Seeds.

# OLNEY – 2006
# COOL-SEASON FORAGE TRIAL

**Gaylon Morgan, State Small Grains Specialist**

**Ben McKay, Extension Assistant**

**Jacob Shaffer, Graduate Assistant**

**Brad Morrison, Young County Agent**

**Texas Cooperative Extension, TAMU**

**Purpose:** To provide unbiased yield data for cool-season forage producers across the state. With this information, Texas forage producers can make an educated decision about the most appropriate cool-season forage for their geographic region.

**Location:** Olney, TX

**Cooperators:** Kenneth and Kerry Lowe

**Planting date:** October 3, 2005

**Soil conditions at planting:** adequate moisture

**Precipitation:** limited season-long

**Temperatures:**

**Low temperature:** 9° F on December 8
**Date of last freeze:** March 25
**Total days of freezing temperatures 32° F or below:** 49
(National Weather Service records for Wichita Falls)

**Fertility:** 70 lb/A anhydrous ammonia and 56 lb/A 10-34-0 applied before plant, 140 lb/A 32-0-0 (UAN) top-dress applied February 1.

**Weed control:** Pre-plant burndown herbicide was applied prior to crop emergence; On December 15, Finesse was applied to manage broadleaf weeds in the cereal crops and 2,4-DB was applied for managing broadleaf weeds in legume forage crops.

# OLNEY COOL-SEASON FORAGE TRIAL – 2006

| Name | Class | Forage yield (lbs. dry matter / acre) 3/14/06 | 5/9/06 | Total |
|---|---|---|---|---|
| Textri† | triticale | 1870.2 | 2467.5 | 4337.7 |
| Coker 9553 | soft wheat | 2584.3 | 1605.7 | 4190.0 |
| Trit2‡ | triticale | 1657.2 | 2381.9 | 4039.2 |
| TXV1117* | hard wheat | 1646.9 | 2350.1 | 3997.0 |
| TAMCALE 6331 | triticale | 1943.3 | 1900.7 | 3844.0 |
| TAM 111 | hard wheat | 1887.6 | 1829.0 | 3716.5 |
| Elbon | cereal rye | 1197.4 | 2510.4 | 3707.8 |
| AGRTS 101* | triticale | 1164.6 | 2454.1 | 3618.7 |
| Trical 348 | triticale | 1289.1 | 2279.7 | 3568.8 |
| Horizon 314 | oat | 1603.0 | 1909.9 | 3512.9 |
| Fannin | hard wheat | 2056.1 | 1456.4 | 3512.4 |
| TXD 3232* | hard wheat | 2097.9 | 1401.8 | 3499.7 |
| Harrison | oat | 1529.2 | 1931.3 | 3460.5 |
| Sturdy 2K | hard wheat | 1569.4 | 1881.5 | 3450.9 |
| Endurance | hard wheat | 1272.1 | 1986.4 | 3258.5 |
| Buck Forage | oat | 1297.4 | 1927.1 | 3224.4 |
| TAMCALE 5019 | triticale | 1517.5 | 1692.7 | 3210.2 |
| HG–9 | hard wheat | 1659.3 | 1403.9 | 3063.2 |
| Cutter | hard wheat | 1502.9 | 1546.4 | 3049.4 |
| Deliver | hard wheat | 1444.1 | 1602.7 | 3046.8 |
| Dallas | oat | 1409.1 | 1481.8 | 2890.9 |
| Longhorn | hard wheat | 1194.6 | 1538.9 | 2733.5 |
| TX96DO93* | oat | 1079.6 | 1640.3 | 2719.9 |
| Coronado | hard wheat | 1444.3 | 1207.5 | 2651.8 |
| TAMO 405 | oat | 1379.5 | 1237.4 | 2616.9 |
| Coker 9663 | soft wheat | 1435.7 | 1180.2 | 2615.9 |
| TXO2U7344* | oat | 717.7 | 1858.0 | 2575.6 |
| TXO2U7473* | oat | 1008.3 | 1505.2 | 2513.5 |
| Doyce | barley | 1568.8 | 793.6 | 2362.4 |
| Mason | soft wheat | 1500.2 | 792.0 | 2292.2 |
| Crawford | soft wheat | 1172.7 | 1096.6 | 2269.3 |
| Price | barley | 903.4 | 1337.2 | 2240.6 |
| TAM 90 | ryegrass | 294.1 | 1895.6 | 2189.7 |
| Callao | barley | 858.5 | 1297.4 | 2155.9 |
| Thoroughbred | barley | 831.7 | 1272.1 | 2103.8 |
| Austrian Winter Pea | legume | 447.6 | 1474.7 | 1922.3 |
| Auburn | legume | 230.0 | 1687.6 | 1917.6 |
| Medallion | legume | 467.0 | 1160.0 | 1627.1 |
| Hubam | legume | 0.0 | 1534.0 | 1534.0 |
| Nomini | barley | 656.3 | 763.6 | 1419.8 |
| | **Mean** | **1284.7** | **1631.8** | **2916.5** |
| | **LSD (.05)** | **583.4** | **702.6** | **1080.5** |

* Experimental breeding line
† Textri is a variety blend by Richardson Seeds.
‡ Trit2 is a variety blend by Warner Seeds.

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