

THRALL (STILES FARM) — 2007 COOL-SEASON FORAGE TRIAL

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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: Thrall, TX (Stiles Farm Foundation)

Cooperators: Archie Abrameit

Planting date: October 4, 2006

Harvest dates: December 14, 2006, February 22, 2007, and April 20, 2007

Soil conditions at planting: adequate moisture

Precipitation: 22.6"

Temperatures:

Low temperature: 20° F on February 16

Date of last freeze: March 3, 2007

Total days of 32° F or below for high temperatures: 2
(TAMU-Weather Records for Williamson County)

Fertility: 140 lb/a 32-0-0 (UAN) applied November 14, 2006 and February 27, 2007.

Weed control: Pre-plant burndown herbicide was applied prior to crop emergence. On November 14, 2006, 2,4-DB was applied for managing broadleaf weeds in the forage crops.



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THRALL COOL-SEASON FORAGE TRIAL – 2007

| Name | Class | Forage yield (lbs. dry matter / acre) | | | Total |
|----------------------|------------------|--|--------------|---------------|--------------|
| | | 12/14/06 | 2/22/07 | 4/20/07 | |
| Trophy | oat | 3177 | 4203 | 7586 | 14966 |
| Harrison | oat | 2862 | 4757 | 7157 | 14776 |
| Deliver | hard wheat | 3684 | 3487 | 7060 | 14231 |
| HG-9 | hard wheat | 3395 | 3278 | 7431 | 14104 |
| Thoroughbred | barley | 3123 | 3831 | 6989 | 13943 |
| TAMCALE 6331 | triticale | 2586 | 4893 | 6434 | 13913 |
| Longhorn | hard wheat | 3792 | 3630 | 6460 | 13882 |
| Trical 346 | triticale | 2339 | 3817 | 7517 | 13673 |
| TAMO 405/TX-2022-10* | legume blend | 2357 | 4585 | 6690 | 13632 |
| TXV1117* | hard wheat | 3094 | 4212 | 6323 | 13629 |
| T-2700 | triticale | 2882 | 5372 | 5308 | 13562 |
| TAMO 405/AWP | legume blend | 2177 | 4711 | 6652 | 13540 |
| Fannin | hard wheat | 3320 | 4349 | 5843 | 13512 |
| Sturdy 2K | hard wheat | 3337 | 3247 | 6786 | 13370 |
| TAMO 405 | oat | 2390 | 4613 | 6226 | 13229 |
| Crawford | soft wheat | 3080 | 5331 | 4792 | 13203 |
| T-1029E | triticale | 2476 | 4718 | 5895 | 13089 |
| Mason | soft wheat | 4257 | 4544 | 4212 | 13013 |
| TAM 304 | hard wheat | 2598 | 4424 | 5961 | 12983 |
| VAOIH-68* | barley | 2748 | 5022 | 5012 | 12782 |
| Coker 9553 | soft wheat | 2734 | 4065 | 5972 | 12771 |
| TAMO 606 | oat | 2854 | 4282 | 5594 | 12730 |
| TAMO 406 | oat | 1618 | 4969 | 6094 | 12681 |
| TXO2U7473* | oat | 2885 | 4267 | 5520 | 12672 |
| Trical 348 | triticale | 1554 | 2393 | 8630 | 12577 |
| Coker 9663 | soft wheat | 2382 | 6056 | 4060 | 12498 |
| TAM 111 | hard wheat | 3117 | 3775 | 5569 | 12461 |
| Elbon | rye | 2839 | 4549 | 5030 | 12418 |
| TAMCALE 5019 | triticale | 3472 | 4658 | 4280 | 12410 |
| Cutter | hard wheat | 3055 | 4509 | 4812 | 12376 |
| Nomini | barley | 3319 | 3151 | 5842 | 12312 |
| Dallas | oat | 2568 | 3631 | 6097 | 12296 |
| TXO2U7682* | oat | 2113 | 4302 | 5841 | 12256 |
| TX00D664* | barley | 2822 | 5138 | 3940 | 11900 |
| TAM 90 | ryegrass | 1344 | 5889 | 4603 | 11836 |
| Coronado | hard wheat | 2041 | 4056 | 5318 | 11415 |
| TAMO 405/vetch | legume blend | 2061 | 4587 | 4529 | 11177 |
| Horizon 314 | oat | 2322 | 4762 | 3961 | 11045 |
| TAMO 405/TX-RR-SC06* | legume blend | 1984 | 3612 | 4848 | 10444 |
| Endurance | hard wheat | 2437 | 2817 | 4800 | 10054 |
| | Mean | 2730 | 4312 | 5792 | 12834 |
| | LSD (.10) | 953.3 | 940.5 | 2611.2 | 2521 |
| | C.V | 25.60 | 15.98 | 34.25 | 14.4 |

* Experimental breeding line



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