

OLNEY — 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: Olney, TX

Cooperators: Kenneth and Kerry Lowe

Planting date: October 24, 2006

Harvest date: April 4, 2007

Soil conditions at planting: adequate moisture

Precipitation: 9.0 inches

Temperatures:

Low temperature: 17° F on December 2

Date of last freeze: April 8, 2007

Total days of 32° F or below for high temperatures: 10
(National Weather Service records for Olney)

Fertility: 70 lb/a anhydrous ammonia and 56 lb/A 10-34-0 applied before plant.

Weed control: Crops were planted into a clean seedbed and no herbicides were used during the growing season.



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OLNEY COOL-SEASON FORAGE TRIAL – 2007

Name	Class	Forage yield (dry matter, lb/a)
		4/4/07
TAMO 606	Oat	5409
T-1029E	Triticale	4941
TAMCALE 6331	Triticale	4885
Coker 9553	Soft Wheat	4855
TAMCALE 5019	Triticale	4841
Elbon	Rye	4715
Dallas	Oat	4628
Harrison	Oat	4592
Trophy	Oat	4468
TAMO 405	Oat	4380
TXV1117*	Hard Wheat	4345
TX00D664*	Barley	4274
Fannin	Hard Wheat	4263
TXO2U7682*	Oat	4182
VAOIH-68*	Barley	4144
TAM 90	Ryegrass	4113
Mason	Soft Wheat	4062
Crawford	Soft Wheat	4009
TAMO 406	Oat	3993
Coker 9663	Soft Wheat	3969
Deliver	Hard Wheat	3932
Thoroughbred	Barley	3863
T-2700	Triticale	3855
Endurance	Hard Wheat	3799
Horizon 314	Oat	3797
TAM 111	Hard Wheat	3786
Longhorn	Hard Wheat	3774
Coronado	Hard Wheat	3769
Nomini	Barley	3763
Coronado/TX-2022-10*	Legume Blend	3746
Coronado/vetch	Legume Blend	3707
TXO2U7473*	Oat	3697
Coronado/Aus. Win. Pea	Legume Blend	3694
Sturdy 2K	Hard Wheat	3680
HG-9	Hard Wheat	3550
TAM 304	Hard Wheat	3545
Coronado/TX-RR-SC06*	Legume Blend	3536
Cutter	Hard Wheat	3513
Trical 348	Triticale	3392
Trical 346	Triticale	3232
Mean		4067.5
* Experimental breeding line	LSD (.10)	847.9
	C.V.	15.4



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

Gaylon Morgan, State Small Grains Specialist

Ben McKay, Extension Assistant

Daniel Hathcoat, Extension Assistant

Archie Abrameit, Stiles Farm Manager

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: 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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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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