

COOL-SEASON FORAGE TRIAL

OLNEY, TX — 2005

Gaylon Morgan, State Small Grains Specialist

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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

County Agent: Brad Morrison, Young County

Planting date: October 17, 2005

Soil conditions at planting: good

Precipitation: good to excess throughout the fall and winter; limited moisture in March, April, and May

Temperatures: dropped into the mid-twenties at night on several occasions

Fertility: 200 lb/A of 13-13-13 applied two weeks after planting; no top-dress

Weed control: Pre-plant burndown herbicide was applied prior to crop emergence; 2,4-D + Finesse were tank-mixed and applied to manage broadleaf and grass weeds in the cereal crops; 2,4-DB and graminicide were applied for managing broadleaf weeds and grasses in legume forage crops.



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OLNEY COOL-SEASON FORAGE TRIAL – 2005

Name	Species	Forage yield (lbs. dry matter / acre)		
		4/4/05	5/7/05	Total
AGR TS 103*	triticale	8905	206	9111
TAM 90	ryegrass	7274	1718	8992
Callao	barley	8128	690	8818
Price	barley	8103	309	8412
Harrison	oat	6702	1572	8275
TX96DO93*	oat	6190	1992	8182
Doyce	barley	7823	202	8025
Fannin	hard wheat	7552	392	7944
Horizon 314	oat	5435	2041	7477
AGR TS 102*	triticale	7144	198	7342
Elbon Rye	rye	6710	412	7121
AGR TA 102*	soft wheat	6113	944	7057
TAMO 405	oat	5671	1356	7027
TAMCALE 5019	triticale	5997	964	6962
Dallas	oat	4508	2399	6907
Nomini	barley	6166	470	6637
T2700	triticale	5883	724	6607
T336	triticale	5535	1066	6600
TAMCALE 6331	triticale	6108	449	6557
Thoroughbred	barley	6218	337	6555
Crawford	soft wheat	6220	320	6540
HG-9	hard wheat	5759	573	6332
T1029e	triticale	5980	347	6327
Lockett	hard wheat	5605	687	6291
Cutter	soft wheat	5421	465	5885
Sturdy 2K	hard wheat	5376	393	5769
T348	triticale	3771	1981	5752
AGR HV 102*	barley	5315	255	5570
Coronado	hard wheat	4800	408	5209
AGR TA 101*	soft wheat	4666	382	5047
AGR HV 103*	barley	4394	280	4675
T346	triticale	3499	1083	4582
AGR HV 101*	barley	4280	0	4280
WM 135	hard wheat	3550	686	4236
AGR TS 101*	triticale	3870	360	4230
Auburn	hairy vetch	2411	1089	3499
(common)	Austrian winter pea	1404	1496	2900
Jose	wheatgrass	1484	1344	2828
Auburn	caley pea	1170	1112	2282
Medallion	alfalfa	1005	1248	2253
Ueckert	burr medic	415	420	835
Hubam	sweetclover	0	314	314
	Mean	5061	802	5863
	LSD (.05)	2588	538	2813

* Experimental breeding line

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STILES FARM, THRALL, TX — 2005

Gaylon Morgan, State Small Grains Specialist

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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

Cooperator: Archie Abrameit

County Agents: Ron Leps, Josh Blanek, and Dale Mott

Planting date: September 17, 2005

Soil conditions at planting: good

Precipitation: good throughout the fall and winter; limited moisture in March, April, and May

Temperatures: dropped into the mid-twenties at night during the third week of December (2-3 days after first harvest)

Fertility: 200 lb/A of 13-13-13 applied two weeks after planting; top-dress application of 50 lbs. nitrogen per acre, applied as UAN (32-0-0)

Weed control: Pre-plant burndown herbicide was applied prior to crop emergence; Dicamba and Finesse were applied to manage broadleaf weeds and some grass species.



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STILES FARM COOL-SEASON FORAGE TRIAL – 2005

Name	Species	Forage yield (lbs. dry matter / acre)			
		12/20/04	2/17/05	3/31/05	Total
Harrison	oat	5222	1149	3735	10105
AGR TS 101*	triticale	5422	1654	2820	9896
Horizon 321	oat	4956	1702	3181	9839
Coronado oat	oat	5671	1285	2785	9741
Sturdy 2K	hard wheat	4248	1191	4262	9700
TAMCALE 6331	triticale	4140	2682	2623	9446
TAMO 405	oat	4861	1251	3269	9382
AGR TS 103*	triticale	6286	1411	1414	9111
T2700	triticale	5177	1919	1965	9062
AGR TS 102	triticale	5472	1043	2440	8955
Elbon	rye	4284	1451	2829	8564
T336*	triticale	4401	1814	2256	8471
Plot Spike	oat	4304	1057	3056	8417
TX96DO93*	oat	4282	1899	2105	8285
Horizon 474	oat	5271	661	2337	8269
Horizon 314	oat	4069	1141	2630	7840
AGR HV 102	barley	4867	752	1956	7574
Crawford	soft wheat	3199	1717	2426	7343
AGR HV 103	barley	4074	1235	1996	7305
Natchez	soft wheat	3115	1151	3014	7280
Coronado	hard wheat	2347	1379	3243	6970
Cutter	hard wheat	2904	2324	1712	6940
Tam 90	ryegrass	2445	1109	3314	6867
Mason	soft wheat	3167	1429	2050	6646
T5019	triticale	2442	1739	2294	6476
Jagelene	hard wheat	2593	1739	2136	6469
T346*	triticale	2988	1493	1896	6377
AGR HV 101*	barley	3565	1342	1450	6356
Fannin	hard wheat	3123	970	1904	5997
Coker9663	soft wheat	2915	1658	1379	5952
T348*	triticale	1888	1733	1973	5594
T1029E*	triticale	2176	1488	1752	5416
AGR TA 102*	soft wheat	1755	1473	1552	4779
AGR TA 101*	soft wheat	1864	941	1816	4621
	Mean	3809	1441	2399	7648

* Experimental breeding line