

2006 Alfalfa Variety Test Results - 301

OKLAHOMA

Stillwater, Agronomy Research Station, Payne County
Irrigated, Sown September 2003

Entry	2006					2005	2004	3-Yr.	3-Yr.
	5/3	6/8	7/14	8/30	Total	Total	Total	Total	Total NN*
Tons Dry Matter/Acre									
DS 187Hyb	2.52	2.51	2.18	2.30	9.51	11.84	10.03	31.38	32.07
OK 200-3-S-Reg	2.68	2.72	2.10	2.19	9.69	11.68	10.15	31.52	31.48
OK 200-3-S-L	2.78	2.76	2.15	2.09	9.77	11.63	10.03	31.43	31.31
DS 218Hyb	2.66	2.61	2.11	2.15	9.52	11.54	10.26	31.32	31.19
OK 200-3-C-Reg	2.72	2.72	2.12	2.17	9.72	11.92	9.68	31.31	31.17
OK 200-3-C-S	2.73	2.74	2.05	2.08	9.60	11.48	9.71	30.79	31.14
OK 200-3-C-L	2.61	2.58	2.00	2.14	9.32	11.57	9.67	30.56	31.03
OK 200-3-S-S	2.62	2.72	2.07	2.14	9.55	11.58	9.98	31.11	30.93
OK 200-3-S-M	2.51	2.55	1.99	2.12	9.18	11.55	9.78	30.51	30.91
OK 200-3-C-M	2.74	2.68	2.09	2.09	9.60	11.42	9.64	30.66	30.75
OK 49	2.41	2.35	1.90	1.93	8.60	11.19	10.02	29.81	30.32
55H05	2.43	2.50	1.93	1.94	8.80	11.50	9.69	29.98	30.26
WL 357 HQ	2.30	2.47	2.08	1.83	8.68	11.42	9.55	29.65	30.03
Expedition	2.34	2.65	2.15	1.90	9.04	11.46	9.51	30.01	29.89
Good As Gold II	2.67	2.62	1.97	1.99	9.24	11.07	9.76	30.07	29.80
Garst 6420	2.62	2.45	1.81	1.96	8.84	10.73	9.58	29.16	28.74
HybriForce-420Wet	2.46	2.42	1.78	1.86	8.51	10.49	9.59	28.59	28.38
HybriForce-400	2.43	2.32	1.83	1.85	8.42	10.60	9.74	28.76	28.33
6400 HT	2.46	2.53	1.87	1.81	8.67	10.17	9.01	27.84	27.35
Garst 6530	2.37	2.43	1.86	1.83	8.49	10.03	9.11	27.63	26.97
Mean	2.55	2.57	2.00	2.02	9.14	11.24	9.72	30.10	30.10
5% LSD	0.35ns	0.30ns	0.19	0.17	0.85	0.64	0.43	1.61	1.46
CV (%)	12.1	10.2	8.4	7.4	8.2	5.0	3.9	4.7	4.2

Design: Randomized Complete Block

No. of Reps: 6

Experiment: 301

ns = not significant at p= 0.05

Plot Size: 1x5m planted

Plot Size: 1x5m harvested

*Total NN = Means adjusted by nearest neighbor analysis.

Variety means are LSMEANS derived from nearest neighbor statistical analysis; therefore, season or multiple-year totals are not the arithmetic sum of individual cuts or years, respectively.

OK 200-3 is the syn 3 generation of a broad genetic germplasm. C = Seed was produced in Chickasha with poor bee activity; S = Seed was produced in Stillwater with good bee activity. L = Large seed; M = Medium seed; S = small seed; and Reg = The mix of seed sizes in the lot after reasonable cleaning.

These data are provided by the Plant & Soil Sciences Department of the Division of Agricultural Sciences and Natural Resources of Oklahoma State University. For additional information, contact John Caddel <john.caddel@okstate.edu>