

OKLAHOMA

Stillwater, Agronomy Research Station, Payne County
Irrigated, Sown September 2005

Entry	2008						2007	2006	3-Yr.	3-Yr.
	5/5	6/5	7/8	8/13	10/3	Total	Total	Total	Total	Total NN*
Tons Dry Matter/Acre										
3AR04	2.71	2.32	2.02	2.44	1.34	10.82	8.33	8.69	27.84	27.95
Phoenix (50T176)	2.60	2.38	2.26	2.70	1.30	11.24	8.04	8.34	27.63	27.87
FSG 505	2.59	2.35	2.34	2.40	1.22	10.91	7.70	8.72	27.33	27.34
OK 200-3	2.57	2.28	2.13	2.46	1.22	10.66	7.42	8.77	26.85	27.22
VN904	2.72	2.29	1.93	2.33	1.25	10.51	7.83	8.45	26.79	27.15
OK 49	2.62	2.10	1.87	2.04	1.04	9.67	6.96	9.70	26.34	26.85
msSunstra-507	2.55	2.31	2.15	2.30	1.23	10.53	7.66	8.55	26.74	26.83
Good As Gold II	2.53	2.29	2.05	2.29	1.19	10.34	7.25	9.14	26.73	26.75
FSG 408 DP	2.50	2.27	1.95	2.30	1.20	10.22	7.79	8.39	26.39	26.73
Escalade	2.54	2.22	2.10	2.33	1.19	10.38	7.62	8.93	26.93	26.66
HybriForce-600	2.50	2.26	2.01	2.22	1.08	10.08	7.10	9.26	26.43	26.55
DS 204 Hyb	2.53	2.27	2.16	2.23	1.27	10.46	7.49	8.38	26.32	26.25
R84 BD 31	2.32	2.13	2.10	2.50	1.31	10.37	7.10	8.89	26.35	26.11
6420	2.44	2.16	1.96	2.24	1.19	9.99	7.43	8.63	26.06	26.07
SPCH04	2.47	2.17	1.87	2.43	1.27	10.20	7.70	7.59	25.49	25.97
HybriForce-400	2.62	2.14	1.82	2.11	1.04	9.72	7.14	8.85	25.71	25.88
R74 BD 28	2.23	2.02	1.98	2.36	1.19	9.79	7.22	8.40	25.40	25.18
6530	2.36	2.17	1.92	2.19	1.18	9.83	7.55	8.19	25.57	25.08
FD4RRA lot 215-5	2.38	2.26	2.16	2.36	1.21	10.37	7.04	7.87	25.27	24.95
RRA FD4 lot 101-5c	2.21	2.20	2.17	2.39	1.18	10.15	6.85	8.07	25.07	24.60
WL 355 RR	2.29	2.25	2.15	2.36	1.22	10.27	6.90	7.68	24.85	24.52
R34 BD 01	2.07	1.95	1.72	1.86	1.07	8.66	7.25	7.02	22.94	22.50
Mean	2.47	2.22	2.04	2.31	1.20	10.23	7.43	8.48	26.14	26.14
5% LSD	0.22	0.14	0.19	0.20	0.12	0.60	0.52	0.85	1.18	0.86
CV (%)	7.7	5.4	8.0	7.4	8.9	5.1	6.1	8.7	3.9	2.9

Design: Randomized Complete Block

No. of Reps: 6

Experiment: 501

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.

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 Jay Prater <j.prater@okstate.edu>

OKLAHOMA

Perkins, Agronomy Research Station, Payne County

Rain-fed, Sown September 2005

Entry	2008					2007 Total	2006 Total	3-Yr. Total
	5/12	6/12	7/16	10/3	Total			
	Tons Dry Matter/Acre							
Good As Gold II	2.63	2.33	2.14	1.89	8.99	5.70	1.50	16.18
OK 200-3	2.73	2.37	2.12	1.84	9.06	5.73	1.41	16.19
OK 49	2.68	2.36	2.13	1.86	9.02	5.16	1.56	15.74
HybriForce-400	2.70	2.37	2.15	1.94	9.16	5.85	1.47	16.47
WL 355 RR	2.21	2.10	1.93	1.53	7.76	5.18	1.28	14.22
RRA FD4 lot 101-5c	2.14	2.08	1.93	1.57	7.72	4.80	1.27	13.79
FD4RRA lot 215-5	2.23	2.16	2.03	1.59	8.00	5.10	1.24	14.34
HybriForce-600	2.59	2.37	2.17	1.84	8.96	5.38	1.40	15.74
Mean	2.49	2.27	2.07	1.76	8.58	5.36	1.39	15.33
5% LSD	0.17	0.10	0.12	0.13	0.34	0.39	0.07	0.54
CV (%)	5.8	3.8	4.9	6.4	3.4	6.2	4.1	3.0

Design: Randomized Complete Block

No. of Reps: 6

Experiment: 521

Plot Size: 1x5m planted

Plot Size: 1x5m harvested

Note: Nearest Neighbor analysis did not improve these results.

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OKLAHOMA

Chickasha, Central Oklahoma Research Station, Grady County
Rain-fed, Sown September 2005

Entry	2008					2007 Total	2006 Total	3-Yr. Total
	4/21	5/29	6/26	9/16	Total			
	Tons Dry Matter/Acre							
OK 49	2.75	1.52	1.54	1.09	6.90	7.37	2.95	17.22
Good As Gold II	2.62	1.38	1.42	1.24	6.65	7.66	2.87	17.19
6420	2.69	1.31	1.39	1.18	6.57	7.47	2.96	17.00
FSG 505	2.62	1.30	1.48	1.24	6.64	7.61	2.62	16.87
HybriForce-600	2.55	1.41	1.52	1.21	6.69	7.23	2.81	16.73
HybriForce-400	2.73	1.32	1.40	1.19	6.64	7.27	2.81	16.72
FSG 408 DP	2.64	1.32	1.45	1.21	6.62	7.12	2.84	16.58
Escalade	2.56	1.28	1.32	1.09	6.25	7.40	2.71	16.36
Phoenix (50T176)	2.56	1.34	1.42	1.14	6.47	7.12	2.67	16.27
6530	2.49	1.32	1.40	1.26	6.47	6.86	2.73	16.06
FD4RRA lot 215-5	2.28	1.13	1.26	1.04	5.70	7.31	2.40	15.40
R74 BD 28	2.20	1.17	1.28	1.08	5.72	6.92	2.73	15.36
RRA FD4 lot 101-5c	2.43	1.16	1.37	1.03	5.98	6.92	2.42	15.32
WL 355 RR	2.25	1.22	1.26	1.04	5.76	7.15	2.34	15.25
R84 BD 31	2.26	1.14	1.30	1.08	5.80	6.61	2.61	15.02
R34 BD 01	2.27	1.14	1.11	0.99	5.51	6.37	2.53	14.41
Mean	2.49	1.28	1.37	1.13	6.27	7.15	2.69	16.11
5% LSD	0.23	0.22	0.20	0.21ns	0.73	0.61	0.24	1.21
CV (%)	7.2	13.5	11.7	15.0	9.2	6.8	7.0	5.9
Design: Randomized Complete Block						Plot Size: 1x5m planted		
No. of Reps: 5						Plot Size: 1x5m harvested		
Experiment: 531								
ns = not significant at p= 0.05								
Note: Nearest Neighbor analysis did not improve these results.								

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OKLAHOMA

Stillwater, Agronomy Research Station, Payne County
Irrigated, Sown September 2006

Entry	2008						2007 Total	2-Yr. Total	2-Yr. Total NN*
	5/5	6/5	7/8	8/13	10/3	Total			
Tons Dry Matter/Acre									
Magnum V	3.76	2.37	2.23	2.40	1.51	12.27	8.11	20.39	20.54
BPR 387	3.57	2.33	2.12	2.38	1.51	11.91	8.33	20.23	20.14
362 HY	3.51	2.32	2.16	2.44	1.44	11.87	8.01	19.87	19.89
Good As Gold II	3.48	2.30	2.18	2.36	1.53	11.85	8.04	19.89	19.84
DS 417	3.51	2.32	2.28	2.32	1.48	11.90	7.95	19.85	19.83
Expedition	3.32	2.38	2.24	2.48	1.46	11.87	7.68	19.56	19.65
HybriForce-600	3.49	2.34	2.19	2.39	1.50	11.91	7.63	19.55	19.59
OK 49	3.69	2.13	2.01	2.28	1.40	11.51	7.18	18.69	19.00
RR05-060104	3.10	2.36	2.35	2.51	1.48	11.80	7.12	18.92	18.96
Garst 6415	3.42	2.31	2.22	2.39	1.43	11.77	7.17	18.94	18.91
Garst 6530	3.28	2.20	2.12	2.20	1.39	11.18	7.56	18.74	18.58
Garst 6443 RR	3.06	2.25	2.33	2.36	1.45	11.44	7.07	18.51	18.42
DKA41-18RR	3.03	2.25	2.17	2.27	1.44	11.14	7.17	18.32	18.18
AlfaGraze 300RR	3.01	2.08	1.86	2.02	1.30	10.27	7.53	17.80	17.73
Mean	3.37	2.28	2.17	2.34	1.45	11.62	7.61	19.23	19.23
5% LSD	0.22	0.12	0.20	0.18	0.10	0.54	0.54	0.82	0.62
CV (%)	5.8	4.7	8.1	6.5	5.8	4.0	6.1	3.7	2.8

Design: Randomized Complete Block

No. of Reps: 6

Experiment: 601

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.

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OKLAHOMA

Perkins, Agronomy Research Station, Payne County
Rain-fed, Sown September 2006

Entry	2008					2007	2-Yr.
	5/12	6/12	7/22	10/3	Total	Total	Total
	Tons Dry Matter/Acre						
Good As Gold II	2.73	2.28	2.09	1.38	8.48	5.19	13.67
Magnum V	2.66	2.24	2.00	1.34	8.25	5.03	13.27
BPR 387	2.57	2.24	2.05	1.26	8.12	5.09	13.20
Garst 6420	2.53	2.26	1.99	1.34	8.12	4.95	13.07
OK 49	2.53	2.14	1.97	1.38	8.02	4.93	12.95
HybriForce-600	2.49	2.21	2.04	1.34	8.08	4.79	12.87
DS 417	2.55	2.20	1.91	1.25	7.91	4.95	12.85
362 HY	2.41	2.16	1.99	1.20	7.76	5.04	12.79
Garst 6443 RR	2.26	2.21	1.97	1.19	7.63	4.60	12.23
DKA41-18RR	2.19	2.17	1.91	1.18	7.44	4.68	12.12
RR05-060104	2.26	2.18	1.84	1.20	7.47	4.61	12.07
AlfaGraze 300RR	2.38	2.05	1.77	1.04	7.24	4.82	12.06
Mean	2.46	2.19	1.96	1.26	7.87	4.89	12.62
5% LSD	0.21	0.15ns	0.10	0.12	0.49	0.31	0.57
CV (%)	7.2	5.8	4.6	8.2	5.4	5.5	3.9
Design: Randomized Complete Block					Plot Size: 1x5m planted		
No. of Reps: 6					Plot Size: 1x5m harvested		
Experiment: 621							
ns = not significant at p= 0.05							
Note: Nearest Neighbor analysis did not improve these results.							

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OKLAHOMA

Chickasha, Central Oklahoma Research Station, Grady County
Irrigated, Sown September 2006

Entry	2008						2007 Total	2-Yr. Total
	4/21	5/29	6/26	7/28	9/16	Total		
	Tons Dry Matter/Acre							
OK 49	3.09	2.34	1.86	1.33	1.42	10.04	9.45	19.49
DS 417	2.97	2.26	1.79	1.19	1.37	9.57	9.50	19.07
Good As Gold II	3.14	2.18	1.73	1.21	1.52	9.78	9.00	18.78
362 HY	2.94	2.22	1.76	1.07	1.32	9.31	9.36	18.67
HybriForce-600	3.15	2.15	1.71	1.15	1.43	9.60	8.66	18.26
Magnum V	2.85	2.10	1.64	1.06	1.40	9.05	9.04	18.09
Garst 6420	2.74	2.12	1.65	1.15	1.38	9.04	8.48	17.51
Garst 6530	2.86	1.92	1.55	0.90	1.20	8.42	8.54	16.96
Garst 6443 RR	2.49	1.92	1.63	0.99	1.18	8.20	8.62	16.82
RR05-060104	2.50	1.86	1.52	0.91	1.11	7.90	8.75	16.64
DKA41-18RR	2.48	1.94	1.57	1.04	1.18	8.21	8.21	16.42
AlfaGraze 300RR	2.52	1.81	1.64	0.79	1.06	7.82	8.56	16.38
Mean	2.81	2.07	1.67	1.07	1.30	8.91	8.85	17.76
5% LSD	0.30	0.24	0.23ns	0.20	0.13	0.83	0.73	1.40
CV (%)	9.2	9.9	11.7	16.4	9.0	8.0	7.2	6.8
Design: Randomized Complete Block						Plot Size: 1x5m planted		
No. of Reps: 6						Plot Size: 1x5m harvested		
Experiment: 631								
ns = not significant at p= 0.05								
Note: Nearest Neighbor analysis did not improve these results.								

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OKLAHOMA

Stillwater, Agronomy Research Station, Payne County
Irrigated, Sown September 2007

Entry	2008					Total	Total NN*
	5/5	6/5	7/8	8/13	10/3		
Tons Dry Matter/Acre							
WL 363 HQ	3.67	2.25	2.14	2.54	1.69	12.30	12.42
Magnum VI	3.94	2.13	2.03	2.37	1.79	12.26	12.22
C-DAK	4.01	2.16	1.89	2.35	1.69	12.10	12.10
Cimarron VL 500	4.18	2.15	1.91	2.39	1.74	12.36	12.09
362 HY	4.09	2.17	1.90	2.33	1.60	12.09	12.04
BOB	4.06	2.06	1.65	2.33	1.70	11.80	11.96
Cimarron VL 410	3.85	2.04	1.75	2.35	1.67	11.65	11.93
C-Durango	3.74	2.10	1.89	2.39	1.65	11.77	11.92
HybriForce 600	4.14	2.15	1.84	2.25	1.66	12.05	11.91
Good As Gold II	3.76	2.04	1.79	2.32	1.64	11.55	11.74
C-Dual	3.81	2.00	1.71	2.22	1.58	11.32	11.73
C-Cimarron	3.91	2.05	1.73	2.37	1.62	11.68	11.68
Cimarron VL 600	3.98	2.12	1.72	2.29	1.58	11.68	11.65
Cimarron VL 400	3.86	2.02	1.63	2.19	1.49	11.18	11.44
WL 343 HQ	3.71	2.17	2.01	2.35	1.66	11.90	11.44
C-Key	3.77	2.08	1.74	2.35	1.74	11.67	11.41
Bandit	3.56	1.99	1.78	2.15	1.48	10.95	11.28
FSG 528SF	3.64	2.14	1.97	2.38	1.73	11.85	11.19
Mean	3.87	2.10	1.84	2.33	1.65	11.79	11.79
5% LSD	0.42ns	0.18ns	0.15	0.23ns	0.25ns	1.06ns	0.49
CV (%)	9.4	7.3	7.3	8.4	13.0	7.8	3.6

Design: Randomized Complete Block

Plot Size: 1x5m planted

No. of Reps: 6

Plot Size: 1x5m harvested

Experiment: 701

ns = not significant at p= 0.05

*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.

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