

OKLAHOMA

Stillwater, Payne County, Agronomy Research Station, Irrigated, Sown September 1997, Experiment 701

Entry (Generation)	1998						1999					2000					3-Yr. Total	3-Yr. NN*
	5/14	6/16	7/15	8/18	10/16	Total	5/24	7/7	8/10	10/7	Total	4/27	5/30	7/11	10/6	Total		
	Tons Dry Matter/Acre																	
DS 9410 Syn 3	2.16	1.38	2.03	1.44	1.66	8.67	3.99	2.66	1.66	1.24	9.55	2.34	1.73	1.73	1.07	6.86	25.08	25.85
OK 199 Syn 3	2.40	1.46	2.04	1.46	1.78	9.14	3.54	2.60	1.86	1.27	9.26	2.33	1.68	1.83	1.06	6.89	25.29	25.49
4001 Syn 3 (Drussel)	2.37	1.43	2.06	1.35	1.61	8.83	3.69	2.63	1.74	1.25	9.32	2.23	1.66	1.83	1.15	6.89	25.02	25.43
OK 188 Syn 3	2.24	1.56	2.11	1.37	1.70	8.98	3.67	2.55	1.80	1.25	9.27	2.36	1.65	1.67	0.96	6.64	24.89	25.34
OK 49 (Com)	2.43	1.60	2.11	1.42	1.72	9.27	3.63	2.43	1.65	1.20	8.91	2.25	1.61	1.39	1.00	6.26	24.45	25.24
DS 9612 Syn 3	2.23	1.26	1.97	1.37	1.63	8.46	3.69	2.62	1.70	1.23	9.24	2.27	1.64	1.82	1.12	6.85	24.54	24.99
OK 201 Syn 3	1.95	1.45	1.96	1.39	1.76	8.51	3.45	2.45	1.85	1.29	9.03	2.21	1.61	1.60	1.02	6.44	23.98	24.68
OK 208 Syn 2	1.96	1.39	1.98	1.33	1.64	8.30	3.59	2.52	1.80	1.47	9.38	2.29	1.72	1.73	0.90	6.64	24.31	24.50
OK 209 Syn 2	2.05	1.44	2.03	1.33	1.63	8.48	3.39	2.44	1.69	1.29	8.81	2.12	1.62	1.68	0.97	6.39	23.68	24.49
ZC 9650 Syn?	2.57	1.55	2.08	1.31	1.63	9.15	3.65	2.60	1.73	1.32	9.29	2.18	1.68	1.74	1.15	6.75	25.18	24.43
AmeriGraze 401+Z Syn?	2.84	1.53	2.04	1.28	1.64	9.33	3.69	2.64	1.70	1.39	9.42	2.33	1.68	1.82	1.30	7.13	25.87	24.41
54H55 Syn 3	2.41	1.48	1.92	1.23	1.57	8.59	3.80	2.59	1.72	1.18	9.29	2.30	1.67	1.72	1.00	6.69	24.57	24.35
Cimarron SR Syn 2	2.27	1.38	2.00	1.32	1.78	8.76	3.85	2.59	1.61	1.42	9.47	2.30	1.66	1.70	1.00	6.66	24.89	24.33
Garst 631 Syn 3	2.01	1.45	2.01	1.23	1.58	8.28	3.68	2.57	1.63	1.25	9.13	2.16	1.65	1.68	0.85	6.33	23.74	24.27
Garst 630 (Com)	2.00	1.57	1.92	1.27	1.55	8.32	3.54	2.40	1.57	1.11	8.62	2.21	1.68	1.40	0.91	6.20	23.14	24.27
Cimarron 3i Syn 3	2.07	1.26	1.96	1.33	1.77	8.40	3.68	2.57	1.59	1.41	9.25	2.35	1.62	1.56	0.98	6.52	24.17	24.23
Nowakowski's Buffalo	1.61	1.42	1.98	1.42	1.61	8.04	3.08	2.44	1.82	1.46	8.81	2.11	1.64	1.68	0.99	6.41	23.25	24.10
WL 325 HQ Syn 3	2.43	1.58	2.14	1.37	1.57	9.10	3.50	2.47	1.62	1.36	8.95	2.17	1.62	1.79	1.23	6.81	24.86	24.08
CW 5435 Syn?	2.54	1.57	2.06	1.19	1.62	8.98	3.51	2.51	1.65	1.27	8.94	2.24	1.70	1.81	0.99	6.73	24.66	24.08
OK 210 Syn 2	2.01	1.32	1.98	1.30	1.63	8.23	3.55	2.51	1.84	1.21	9.11	2.23	1.70	1.70	1.01	6.65	23.99	24.03
DK 142 Syn 2	2.33	1.56	2.03	1.18	1.61	8.71	3.79	2.66	1.63	1.34	9.42	2.19	1.72	1.74	1.04	6.68	24.82	24.01
CW 5426 Syn?	2.32	1.36	1.96	1.17	1.47	8.28	3.54	2.47	1.55	1.29	8.85	2.01	1.63	1.76	1.13	6.53	23.66	23.98
OK 164 Syn 2	2.10	1.52	2.07	1.43	1.76	8.89	3.24	2.50	1.77	1.15	8.64	2.23	1.56	1.49	0.93	6.20	23.73	23.96
ZC 9651 Syn?	2.61	1.58	2.03	1.33	1.67	9.22	3.59	2.56	1.70	1.23	9.08	2.09	1.56	1.61	0.97	6.23	24.53	23.73
OK 207 Syn 3	2.27	1.37	1.91	1.31	1.66	8.51	3.54	2.41	1.69	1.29	8.94	2.05	1.63	1.72	0.95	6.35	23.80	23.64
ZC 9640 Syn?	2.64	1.44	2.01	1.31	1.61	9.02	3.48	2.43	1.60	1.24	8.75	2.05	1.54	1.77	1.16	6.53	24.29	23.52
ZC 9641 Syn?	2.71	1.48	1.98	1.27	1.65	9.09	3.59	2.48	1.60	1.35	9.02	2.22	1.56	1.79	1.26	6.83	24.95	23.45
OK 206 Syn 3	2.09	1.40	1.98	1.31	1.71	8.49	3.30	2.43	1.59	1.26	8.59	1.99	1.51	1.46	0.93	5.89	22.97	23.31
DK 143 Syn 2	2.37	1.45	1.88	1.02	1.41	8.12	3.60	2.47	1.50	1.14	8.72	2.09	1.63	1.66	1.01	6.39	23.23	23.28
Boggs' Buffalo	1.84	1.40	1.95	1.32	1.49	8.00	3.09	2.29	1.68	1.29	8.34	1.87	1.49	1.49	0.93	5.78	22.12	23.18
WL 414 Syn 3	2.16	1.42	2.04	1.36	1.66	8.64	3.05	2.32	1.76	1.35	8.48	2.04	1.51	1.58	1.14	6.26	23.37	23.03
Interceptor Syn?	2.31	1.13	1.75	1.01	1.54	7.74	3.37	2.26	1.38	1.19	8.20	1.86	1.33	1.55	1.05	5.79	21.73	21.07
Mean	2.26	1.44	2.00	1.30	1.64	8.64	3.54	2.50	1.68	1.28	9.00	2.18	1.62	1.67	1.04	6.51	24.15	24.15
5% LSD	0.28	0.24	0.2ns	0.14	0.25ns	0.76	0.31	0.21	0.22	0.23 ns	0.68	0.25	0.17	0.30ns	0.31ns	0.72	1.73	-
CV (%)	11	14	9	9	13	8	8	7	11	16	7	10	9	16	26	10	6	-
MCV (%)	12	17	10	11	15	9	9	8	13	18	8	11	10	18	30	11	7	-
LSR (%)	23	51	51	31	68	48	33	52	46	74	50	50	43	68	69	54	42	-

Generation = (Com) = from commercial bags

ns = F value is not significant at $p = 0.05$

Design Randomized Complete Block

No. of Reps: 6

MCV = $LSD/Mean \times 100$

LSR = $LSD/Range \times 100$

Plot Size: 1x5m planted

Plot Size: 1x5m harvested

*NN Total = Means adjusted by nearest neighbor analysis

8/15/00-Yields not recorded. Highly variable & low yield

Experiment: 701