

OKLAHOMA

Perkins, Payne County, Agronomy Research Station. Rain-fed, Sown September 1997, Experiment 721

Entry (Generation)	1998			1999					2000				3-Yr.	
	5/20	10/20	Total	5/19	6/18	7/27	10/11	Total	5/5	6/1	7/17	8/17	Total	Total
Tons Dry Matter/Acre														
Cimarron 3i Syn 3	2.36	1.78	4.14	2.91	2.51	2.18	1.06	8.68	2.22	1.65	2.89	1.08	7.85	21.12
OK 199 Syn 3	2.28	1.69	3.97	2.80	2.56	2.40	1.20	8.96	2.13	1.62	2.94	1.04	7.74	20.67
DK 143 Syn 2	2.18	1.50	3.68	2.62	2.56	2.22	0.97	8.38	2.08	1.68	3.19	1.55	8.52	20.56
Boggs' Buffalo	1.86	1.60	3.47	2.46	2.43	2.37	1.16	8.42	2.03	1.64	2.96	1.08	7.72	20.51
OK 209 Syn 2	2.15	1.72	3.87	2.66	2.54	2.34	1.21	8.75	2.05	1.58	2.92	1.11	7.66	20.28
OK 208 Syn 2	2.24	1.80	4.04	2.66	2.49	2.43	1.13	8.72	2.03	1.62	2.81	1.01	7.47	20.22
WL 324 Syn3	2.31	1.54	3.85	2.85	2.67	2.36	1.10	8.98	2.00	1.56	2.80	0.98	7.36	20.19
OK 211 Syn 2	2.21	1.67	3.88	2.74	2.54	2.34	1.10	8.72	2.06	1.56	2.86	1.06	7.55	20.15
OK 49 (Com)	2.12	1.65	3.77	2.72	2.56	2.43	1.19	8.89	2.06	1.56	2.80	1.01	7.42	20.08
OK 210 Syn 2	2.10	1.69	3.80	2.68	2.48	2.35	1.16	8.68	2.03	1.59	2.92	1.06	7.60	20.07
Spur Syn 3	2.20	1.65	3.85	2.68	2.50	2.37	1.14	8.69	1.99	1.53	2.82	1.04	7.38	19.91
Garst 630 (Com)	2.14	1.66	3.79	2.80	2.65	2.45	1.10	9.00	2.01	1.46	2.71	0.84	7.02	19.84
DK 142 Syn 2	2.14	1.56	3.70	2.75	2.66	2.34	0.98	8.73	2.00	1.61	3.00	1.27	7.87	19.76
54H55 Syn 3	2.42	1.55	3.96	2.72	2.64	2.22	1.07	8.64	1.87	1.48	2.67	0.91	6.94	19.54
OK 207 Syn 3	2.20	1.62	3.82	2.74	2.40	2.22	1.08	8.43	2.04	1.51	2.73	0.93	7.22	19.46
OK 164 Syn 2	2.10	1.67	3.77	2.72	2.37	2.17	1.08	8.35	2.08	1.53	2.76	0.92	7.28	19.40
Garst 631 Syn 3	2.29	1.73	4.02	2.86	2.67	2.62	1.10	9.25	1.89	1.47	2.66	0.88	6.89	19.33
OK 206 Syn 3	2.19	1.74	3.93	2.57	2.41	2.30	1.09	8.38	1.81	1.41	2.59	0.86	6.67	18.98
Nowakowski's Buffalo	1.74	1.61	3.36	2.42	2.42	2.47	1.38	8.68	1.85	1.41	2.58	0.81	6.64	18.70
Sendero Syn 3	1.87	1.61	3.49	2.47	2.34	2.27	1.13	8.22	1.75	1.47	2.69	0.96	6.87	18.57
Mean	2.16	1.65	3.81	2.69	2.52	2.34	1.12	8.67	2.00	1.55	2.81	1.02	7.38	19.87
5% LSD	0.21	0.14	0.26	0.12	0.14	0.19	0.07	0.40	0.13	0.11	0.19	0.12	0.48	0.97
CV (%)	9	7	6	4	5	7	6	4	6	6	6	10	6	4
MCV (%)	10	9	7	4	6	8	6	5	7	7	7	12	7	5
LSR (%)	31	47	33	24	42	42	29	39	28	41	31	16	26	38

Generation = (Com) = from commercial bags

ns = F value is not significant at p = 0.05

Design: Randomized Complete Block

No. of Reps: 6

Experiment: 721

All Plots 100 % Stand Dec. 1998

MCV = LSD/Mean x 100

LSR = LSD/Range x 100

Plot Size: 1 x 5 m planted

Plot Size: 1 x 5 m harvested