

OKLAHOMA

Chickasha, Central Oklahoma Research Station, Grady County
Irrigated, Sown September 1998

Entry (Generation)	1999						2000						2-Yr. Total	2-Yr. NN*
	5/3	6/11	7/8	8/11	9/21	Total	4/18	5/24	7/5	8/9	9/6	Total		
Tons Dry Matter/Acre														
OK 210 Syn 3	2.14	2.21	1.17	1.00	1.33	7.85	1.15	1.50	2.27	1.76	1.32	8.00	15.86	16.31
OK 49 (Com)	2.34	2.20	1.15	0.95	1.36	8.00	1.36	1.57	2.35	1.95	1.45	8.68	16.68	16.11
Magnum V Syn 3	2.35	2.30	1.13	0.92	1.30	8.01	1.15	1.33	2.18	1.69	1.14	7.49	15.49	16.06
DSS 5106 Syn 2	2.45	2.19	1.05	0.86	1.29	7.83	1.20	1.35	2.12	1.66	1.24	7.56	15.39	15.94
OK 208 Syn 3	2.09	2.11	1.06	0.93	1.33	7.51	1.11	1.42	2.25	1.76	1.29	7.83	15.35	15.88
OK 209 Syn 3	2.14	2.17	1.13	0.93	1.35	7.73	1.10	1.44	2.14	1.83	1.33	7.83	15.56	15.82
WL 414 Syn 3	2.10	2.04	1.03	0.95	1.39	7.51	1.10	1.51	2.19	1.88	1.42	8.11	15.62	15.51
97-210 (WL) Syn 2	2.10	2.09	1.08	0.95	1.34	7.56	1.02	1.46	2.22	1.80	1.34	7.84	15.40	15.34
Garst 630 Syn 3	2.25	2.29	1.12	0.90	1.37	7.94	1.12	1.28	2.15	1.73	1.22	7.51	15.45	15.33
Reward Syn 3	2.28	2.23	1.16	0.90	1.28	7.85	1.14	1.40	2.17	1.68	1.21	7.61	15.46	15.19
ABT 400 SCL Syn 3	2.31	2.19	1.13	0.99	1.36	7.99	1.14	1.38	2.12	1.72	1.14	7.50	15.49	15.18
Garst 631 Syn 3	2.33	2.26	1.08	0.93	1.34	7.94	1.04	1.25	2.09	1.63	1.21	7.23	15.17	15.14
Enhancer Syn 3	2.36	2.30	1.08	0.73	1.30	7.77	1.12	1.30	2.15	1.64	1.18	7.40	15.17	15.12
Dagger+EV (Com)	2.31	2.28	1.07	0.85	1.30	7.80	1.04	1.23	2.07	1.59	1.16	7.08	14.88	14.83
Bogg's Buffalo (Com)	1.95	1.94	1.10	0.85	1.26	7.10	0.98	1.47	2.08	1.90	1.44	7.88	14.99	14.81
Cimarron 3i Syn 3	2.32	2.24	0.96	0.88	1.35	7.75	1.14	1.26	2.01	1.62	1.07	7.10	14.85	14.78
ZC 9741 A	2.54	2.19	0.95	0.83	1.24	7.75	1.06	1.15	1.90	1.48	1.04	6.63	14.38	14.60
OK 211 Syn 3	2.06	2.08	1.08	0.78	1.30	7.30	1.11	1.33	2.05	1.70	1.19	7.38	14.68	14.56
WL 324 Syn 3	2.18	2.16	1.08	0.85	1.33	7.60	1.02	1.02	1.98	1.40	0.99	6.41	14.01	14.47
ZC 9650	2.24	2.20	1.06	0.88	1.29	7.68	1.07	1.28	2.05	1.57	1.15	7.13	14.81	14.46
AmeriGraze 401+Z(Com)	2.24	2.21	0.96	0.79	1.38	7.58	1.04	1.11	1.99	1.44	1.05	6.62	14.20	14.34
ABT 350 Syn 3	2.25	2.15	1.06	0.83	1.24	7.53	0.99	1.06	2.01	1.38	1.01	6.45	13.98	14.29
WL 325 HQ Syn 3	2.15	2.10	1.05	0.73	1.28	7.31	0.98	1.19	2.03	1.48	1.16	6.84	14.15	14.18
Garst 6420 Syn 3	2.29	2.27	1.02	0.85	1.29	7.71	1.03	1.19	2.08	1.55	1.18	7.03	14.73	14.16
ZC 9640 A	2.27	2.18	1.02	0.87	1.33	7.67	1.01	1.12	2.00	1.43	1.02	6.58	14.25	14.05
DK 143 Syn 3	2.31	2.25	1.04	0.86	1.29	7.74	0.97	1.08	1.92	1.36	1.00	6.32	14.07	14.03
DK 142 Syn 2	2.33	2.30	0.97	0.85	1.24	7.70	1.00	1.02	1.92	1.36	0.96	6.26	13.96	14.02
Garst 6410 Syn 3	2.15	2.17	1.02	0.82	1.24	7.41	0.97	1.12	1.86	1.46	1.13	6.55	13.96	13.45
Mean	2.25	2.19	1.07	0.87	1.31	7.68	1.08	1.28	2.08	1.62	1.18	7.24	14.93	14.93
5% LSD	0.14	0.11	0.15 _{ns}	.19 _{ns}	.17 _{ns}	0.46	0.15	0.24	0.18	0.25	0.19	0.92	1.19	-
CV (%)	5	4	13	19	11	5	12	16	7	14	14	11	7	-
MCV (%)	6	5	14	22	13	6	14	19	9	15	16	13	8	-
LSR (%)	24	31	71	70	131	51	38	44	37	42	39	38	44	-

Generation = (Com) = from commercial bags

Design: Randomized Complete Block

No. of Reps: 6

*NN Total = Means adjusted by nearest neighbor analysis

ns = F value is not significant at p = 0.05

MCV = LSD/Mean x 100

LSR = LSD/Range x 100

Plot Size: 1x5m planted

Plot Size: 1x5m harvested

Experiment: 831

OKLAHOMA

Stillwater, Agronomy Research Station, Payne County
Irrigated, Sown September 1999

Entry (Generation)	2000					Total
	4/25	5/24	7/11	8/16	9/29	
	Tons Dry Matter/Acre					
WL 327 (?)	2.75	1.62	2.63	1.39	1.96	10.34
OK 169 (3)	2.72	1.57	2.57	1.39	2.02	10.26
Magnum V (C)	2.88	1.65	2.50	1.30	1.88	10.21
OK 49 (C)	2.87	1.65	2.43	1.32	1.92	10.19
OK 200 (3)	2.65	1.61	2.53	1.42	1.90	10.09
DS 9706 HYB (1)	2.86	1.53	2.54	1.38	1.78	10.09
DS 9704 HYB (1)	2.72	1.56	2.55	1.28	1.96	10.08
Garst 631 (?)	2.84	1.52	2.53	1.29	1.89	10.06
OK 161 (2)	2.68	1.57	2.51	1.39	1.91	10.06
Abilene+Z (2)	2.80	1.63	2.40	1.33	1.90	10.06
Magna 601 (C)	2.66	1.63	2.46	1.37	1.93	10.04
ZC 9851A (1)	2.81	1.53	2.44	1.29	1.93	9.99
54Q53 (?)	2.78	1.63	2.46	1.27	1.84	9.99
54H55 (?)	2.86	1.54	2.48	1.28	1.83	9.98
Pawnee (3)	2.70	1.48	2.51	1.34	1.94	9.97
Cimarron 4 (2)	2.78	1.54	2.46	1.29	1.90	9.96
OK 199 (3)	2.70	1.53	2.46	1.35	1.89	9.93
Garst 6420 (?)	2.84	1.55	2.47	1.24	1.81	9.90
Cimarron SR (3)	2.85	1.49	2.44	1.28	1.83	9.87
OK 211 (3)	2.66	1.57	2.50	1.37	1.76	9.86
DS 9707 HYB (1)	2.80	1.51	2.49	1.30	1.73	9.83
OK 201 (3)	2.54	1.59	2.39	1.34	1.91	9.77
Forcast 1001 (2)	2.67	1.61	2.38	1.26	1.78	9.70
Garst 630 (C)	2.77	1.57	2.37	1.21	1.79	9.70
ZC 9841A (1)	2.68	1.57	2.34	1.25	1.85	9.69
ZC 9850A (1)	2.77	1.47	2.32	1.23	1.90	9.69
WL 326 GZ (?)	2.75	1.54	2.37	1.23	1.79	9.69
DS 9705 HYB (1)	2.69	1.44	2.40	1.27	1.85	9.65
ZC 9840A (1)	2.80	1.46	2.38	1.19	1.78	9.61
OK 188 (3)	2.66	1.56	2.31	1.24	1.72	9.49
DK 142 (?)	2.61	1.41	2.48	1.24	1.75	9.48
Buffalo (Boggs) (C)	2.49	1.59	2.27	1.35	1.69	9.38
Mean	2.74	1.55	2.45	1.30	1.85	9.90
5% LSD	0.20	0.13	0.19ns	0.11	0.14	0.45
CV (%)	6	8	7	7	7	4
MCV (%)	7	8	8	8	8	5
LSR (%)	51	54	52	48	43	47

Generation = (C) = from commercial bags
 ns = F value is not significant at p = 0.05
 Design: Randomized Complete Block
 No. of Reps: 6
 Experiment: 901

MCV = LSD/Mean x 100
 LSR = LSD/Range x 100
 Plot Size: 1x5m planted
 Plot Size: 1x5m harvested

OKLAHOMA

Perkins, Agronomy Research Station, Payne County
Rainfed, Sown September 1999

Entry (Generation)	2000			Total
	5/5	6/1	7/17	
Tons Dry Matter/Acre				
Reward (3)	2.67	1.44	2.11	6.21
WL 327 (3)	2.56	1.42	2.02	6.00
OK 200 (3)	2.59	1.33	2.02	5.94
OK 49 (C)	2.52	1.37	2.03	5.92
Magnum IV (3)	2.60	1.38	1.94	5.91
OK 169 (3)	2.53	1.33	2.05	5.90
Cimarron SR (3)	2.53	1.35	2.01	5.90
Cimarron 4 (2)	2.49	1.35	2.05	5.89
Pawnee (3)	2.52	1.36	2.01	5.88
ABT 400SCL (2)	2.53	1.34	1.99	5.85
Abilene+Z (2)	2.53	1.32	1.96	5.81
Garst 630 (C)	2.45	1.34	2.02	5.81
OK 161 (2)	2.55	1.31	1.92	5.78
ABT 350 (3)	2.49	1.31	1.97	5.76
OK 201 (3)	2.40	1.26	1.99	5.65
Buffalo (Boggs) (C)	2.17	1.17	1.86	5.19
Mean	2.51	1.34	2.00	5.84
5% LSD	0.17	0.10	0.16ns	0.37
CV (%)	6	7	7	6
MCV (%)	7	8	8	6
LSR (%)	33	38	63	37

Generation = (C) = from commercial bags

ns = F value is not significant at p = 0.05

Design: Randomized Complete Block

No. of Reps: 6

Experiment: 921

Plots cut on 8-17-00 but weights were not recorded because yield was highly variable and low (<0.05 ton/ac) due to extreme drought.

MCV = LSD/Mean x 100

LSR = LSD/Range x 100

Plot Size: 1x5m planted

Plot Size: 1x5m harvested

OKLAHOMA

Goodwell, Texas County
Oklahoma Panhandle Research & Extension Center
Irrigated, Sown September 1999

Entry (Generation)	2000			
	5/18	6/30	8/15	Total
	Tons Dry Matter/Acre			
Key (2)	2.13	1.47	1.39	4.99
Pawnee (3)	2.18	1.42	1.38	4.99
Garst 631 (C)	2.12	1.41	1.39	4.93
Abilene+Z (2)	2.21	1.35	1.36	4.92
OK 206 (3)	2.09	1.44	1.36	4.89
Cimarron SR (3)	2.17	1.34	1.32	4.83
Garst 6410 (?)	2.15	1.44	1.24	4.83
Garst 6420 (?)	2.09	1.38	1.26	4.73
NC+Jade II (C)	2.07	1.38	1.26	4.71
OK 169 (3)	2.12	1.28	1.28	4.68
Stamina (3)	2.06	1.41	1.18	4.65
DK 142 (C)	2.02	1.35	1.25	4.63
OK 207 (3)	2.11	1.27	1.24	4.62
OK 49 (C)	2.03	1.30	1.23	4.56
Garst 630 (C)	1.99	1.34	1.23	4.55
OK 161 (2)	2.01	1.22	1.25	4.46
Garst 6550 (?)	2.01	1.27	1.16	4.45
OK 200 (3)	1.94	1.26	1.26	4.45
OK 201 (3)	1.77	1.25	1.22	4.23
Bogg's Buffalo (C)	1.74	1.05	1.21	4.00
Mean	2.05	1.33	1.27	4.66
5% LSD	0.14	0.22ns	0.24ns	0.46
CV (%)	6	15	17	9
MCV (%)	7	17	19	10
LSR (%)	30	52	104	46

Generation = (C) = from commercial bags

ns = F value is not significant at p = 0.05

Design: Randomized Complete Block

No. of Reps: 6

Experiment: 991

Water was limited during early summer by water well problems.

MCV = $LSD/Mean \times 100$

LSR = $LSD/Range \times 100$

Plot Size: 1x5m planted

Plot Size: 1x5m harvested

OKLAHOMA

Chickasha, Central Oklahoma Research Station, Grady County
Irrigated, Sown September 1999

Entry (Generation)	2000					Total
	4/18	5/24	7/5	8/8	9/6	
	Tons Dry Matter/Acre					
Abilene+Z (2)	1.73	1.58	2.35	1.75	1.34	8.76
Sendero (3)	1.97	1.63	2.26	1.62	1.20	8.68
WL 327 (3)	1.89	1.62	2.50	1.48	1.17	8.64
Garst 6420 (C)	1.86	1.56	2.40	1.54	1.23	8.59
OK 201 (3)	1.65	1.52	2.21	1.73	1.33	8.44
OK 200 (3)	1.77	1.53	2.21	1.63	1.24	8.39
Cimarron SR (3)	1.75	1.60	2.34	1.50	1.18	8.36
Cimarron 4 (2)	1.76	1.66	2.32	1.46	1.15	8.35
Magnum V (C)	1.80	1.59	2.28	1.45	1.14	8.27
Pawnee (3)	1.78	1.54	2.22	1.54	1.16	8.23
Garst 630 (C)	1.71	1.59	2.21	1.53	1.15	8.20
OK 161 (2)	1.76	1.56	2.15	1.52	1.15	8.15
Forecast 1001 (2)	1.71	1.62	2.15	1.50	1.14	8.11
OK 49 (C)	1.77	1.49	2.20	1.49	1.14	8.09
ZC 9851A (1)	1.83	1.45	2.17	1.47	1.14	8.06
54H55 (4)	1.72	1.53	2.26	1.39	1.10	8.00
OK 169 (3)	1.69	1.47	2.19	1.51	1.11	7.96
WL 326 GZ (3)	1.77	1.45	2.29	1.40	1.04	7.95
Garst 631 (C)	1.69	1.53	2.21	1.36	1.13	7.91
54Q53 (4)	1.68	1.47	2.23	1.42	1.06	7.87
ZC 9850A (1)	1.68	1.46	2.22	1.41	1.04	7.81
Nowakowski's Buffalo (C)	1.50	1.42	1.94	1.62	1.29	7.77
ZC 9841A (1)	1.66	1.44	2.22	1.39	1.05	7.77
Bogg's Buffalo (C)	1.56	1.41	1.97	1.55	1.24	7.72
Garst 6410 (C)	1.62	1.45	2.25	1.35	1.02	7.69
ZC 9840A (1)	1.62	1.35	2.13	1.42	1.07	7.58
Garst 6550 (C)	1.53	1.41	2.12	1.34	1.12	7.52
Stamina (3)	1.64	1.39	2.05	1.32	0.96	7.37
Mean	1.72	1.5	2.22	1.49	1.15	8.08
5% LSD	0.14	0.12	0.15	0.2	0.17	0.55
CV (%)	7	7	6	12	13	6
MCV (%)	8	8	7	13	15	7
LSR (%)	30	39	27	47	45	40

Generation = (C) = from commercial bags
Design: Randomized Complete Block
No. of Reps: 6
Experiment: 931

MCV = LSD/Mean x 100
LSR = LSD/Range x 100
Plot Size: 1x5m planted
Plot Size: 1x5m harvested

OKLAHOMA

Stillwater, Agronomy Research Station, Payne County, Irrigated, Sown September 1998, Experiment 801

Entry (Generation)	1999					2000					2-Yr. Total	2-yr NN* Total
	5/28	7/7	8/10	10/12	Total	4/27	5/31	7/12	10/4	Total		
Tons Dry Matter/Acre												
DSS 5106 Syn 2	4.01	3.09	2.53	1.70	11.32	2.87	1.95	2.39	1.76	8.98	20.30	19.99
OK 188 Syn 1	3.73	2.55	2.52	1.54	10.34	2.70	1.86	2.29	1.70	8.55	18.89	19.66
Magnum V Syn 3	3.90	3.02	2.56	1.64	11.12	2.88	1.98	2.35	1.69	8.90	20.02	19.59
OK 188 Syn 3	3.75	2.76	2.56	1.48	10.55	2.76	1.87	2.15	1.64	8.42	18.97	19.55
Cimarron 3i Syn 3	4.09	2.80	2.26	1.51	10.67	2.61	1.73	2.04	1.59	7.96	18.63	19.51
OK 49 (Com)	3.82	2.81	2.42	1.64	10.69	2.77	1.90	2.19	1.62	8.48	19.18	19.31
CW 6425 Syn 2	3.85	3.17	2.55	1.56	11.13	2.51	1.90	2.36	1.61	8.38	19.51	19.30
CW 6539 Syn 2	4.14	2.90	2.37	1.57	10.98	2.59	1.80	2.21	1.60	8.20	19.18	19.27
97N08PP1	3.44	2.94	2.68	1.84	10.90	2.75	1.85	2.36	1.84	8.81	19.71	19.24
OK 208 Syn 3	3.75	2.71	2.35	1.64	10.45	2.65	1.85	2.21	1.67	8.39	18.84	19.23
OK 189 Syn 2	3.70	2.67	2.51	1.63	10.50	2.62	1.83	2.30	1.68	8.42	18.92	19.11
Reward Syn 3	3.92	2.88	2.40	1.53	10.73	2.84	1.91	2.29	1.69	8.74	19.47	18.98
97N07PP1	3.49	2.82	2.61	1.58	10.50	2.63	1.88	2.22	1.77	8.50	19.00	18.89
CW 6585 Syn 2	3.73	2.97	2.36	1.57	10.62	2.53	1.80	2.25	1.60	8.17	18.79	18.83
OK 187 Syn 1	3.73	2.51	2.52	1.54	10.30	2.63	1.82	2.25	1.58	8.28	18.57	18.67
CW 6408 Syn 2	4.09	3.02	2.44	1.43	10.97	2.48	1.81	2.26	1.49	8.04	19.01	18.66
ABT 400 SL Syn 3	3.88	2.93	2.54	1.55	10.90	2.63	1.81	2.09	1.65	8.18	19.08	18.61
OK 207 Syn 3	4.00	2.71	2.32	1.47	10.49	2.60	1.81	2.19	1.58	8.17	18.67	18.60
AmeriGraze 401 +Z	3.80	2.76	2.22	1.54	10.33	2.41	1.75	2.21	1.69	8.06	18.39	18.34
OK 164 Syn 1	3.89	2.51	2.23	1.55	10.18	2.67	1.78	1.98	1.47	7.90	18.08	18.34
OK 164 Syn 3	3.82	2.58	2.40	1.45	10.25	2.73	1.76	2.13	1.62	8.23	18.49	18.34
ABT 350 Syn 3	3.70	2.73	2.33	1.51	10.26	2.51	1.63	2.06	1.55	7.75	18.01	18.25
WL 324 Syn 3	3.83	2.71	2.26	1.66	10.46	2.61	1.77	2.07	1.46	7.91	18.37	18.23
Garst 630 Syn 3	3.68	2.76	2.45	1.54	10.44	2.59	1.85	2.30	1.56	8.30	18.74	18.20
OK 206 Syn 3	3.25	2.55	2.10	1.67	9.57	2.32	1.66	2.25	1.85	8.08	17.64	18.07
OK 163 Syn 1	3.69	2.43	2.29	1.48	9.90	2.53	1.73	2.07	1.44	7.76	17.66	17.99
Garst 6410 Syn 3	3.63	2.88	2.29	1.43	10.23	2.38	1.72	2.15	1.43	7.68	17.91	17.72
Boggs' Buffalo (Com)	3.09	2.68	2.53	1.48	9.78	2.67	1.82	2.18	1.56	8.23	18.01	17.58
Mean	3.76	2.78	2.41	1.56	10.52	2.62	1.82	2.21	1.62	8.27	18.79	18.79
5% LSD	0.35	0.21	0.33 ns	0.21 ns	0.77	0.31	0.17	0.26ns	0.18	0.66	1.27	0.24
CV (%)	8	6	12	12	6	10	8	10	10	7	6	1
MCV (%)	9	8	14	13	7	12	9	12	11	8	7	1
LSR (%)	33	28	57	51	44	55	49	63	43	51	48	10

Generation = (Com) = from commercial bags

ns = F value is not significant at p = 0.05

Design: Randomized Complete Block

No. of Reps: 6

Experiment: 801

*NN Total = Means adjusted by nearest neighbor analysis

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

MCV = LSD/Mean x 100

LSR = LSD/Range x 100

Plot Size: 1x5m planted

Plot Size: 1x5m harvested

Perkins, Agronomy Research Station, Payne County, Rain-fed, Sown September 1998

Entry (Generation)	1999					2000				2-Yr.
	5/14	6/17	7/27	10/21	Total	5/8	6/2	7/18	Total	Total
Tons Dry Matter/Acre										
Magnum V Syn 3	2.63	2.69	1.82	1.04	8.17	2.07	1.44	2.38	5.89	14.06
Garst 630 Syn 3	2.57	2.56	1.72	1.02	7.86	1.96	1.46	2.43	5.85	13.70
OK 207 Syn 3	2.61	2.56	1.67	1.02	7.87	2.01	1.40	2.29	5.70	13.61
OK 188 Syn 1	2.60	2.44	1.70	1.09	7.84	1.89	1.46	2.33	5.69	13.52
OK 49 (Com)	2.55	2.47	1.73	1.17	7.92	1.92	1.39	2.27	5.58	13.50
Enhancer Syn 3	2.65	2.45	1.68	0.97	7.75	1.99	1.43	2.29	5.72	13.46
Dagger +EV (Com)	2.51	2.62	1.71	1.06	7.89	1.85	1.40	2.29	5.54	13.42
OK 213 Syn 2	2.52	2.36	1.65	1.09	7.61	1.80	1.48	2.48	5.75	13.36
OK 210 Syn 3	2.47	2.34	1.68	1.07	7.56	1.83	1.43	2.42	5.68	13.24
OK 188 Syn 3	2.43	2.40	1.69	1.02	7.54	1.86	1.40	2.39	5.64	13.24
Cimarron 3i Syn 3	2.65	2.45	1.70	0.97	7.78	1.82	1.33	2.31	5.45	13.23
OK 164 Syn 3	2.64	2.42	1.65	1.04	7.75	1.84	1.33	2.29	5.45	13.20
OK 189 Syn 2	2.50	2.44	1.69	1.08	7.70	1.79	1.42	2.28	5.49	13.12
WL 325 HQ Syn 3	2.49	2.51	1.68	0.92	7.60	1.86	1.38	2.25	5.48	13.08
OK 164 Syn 1	2.54	2.40	1.63	1.02	7.58	1.86	1.38	2.24	5.48	13.06
OK 209 Syn 3	2.40	2.38	1.70	1.05	7.53	1.75	1.41	2.39	5.54	12.97
Boggs' Buffalo (Com)	2.18	2.23	1.67	1.07	7.14	1.81	1.43	2.52	5.77	12.91
OK 211 Syn 3	2.51	2.24	1.60	0.99	7.34	1.78	1.38	2.39	5.55	12.89
OK 163 Syn 1	2.59	2.31	1.62	0.96	7.49	1.82	1.32	2.20	5.33	12.82
OK 208 Syn 3	2.37	2.36	1.64	1.03	7.41	1.74	1.34	2.25	5.32	12.73
Spur Syn 3	2.45	2.29	1.66	0.96	7.36	1.73	1.28	2.26	5.25	12.61
Sendero Syn 3	2.53	2.37	1.58	0.92	7.40	1.69	1.31	2.17	5.16	12.57
OK 206 Syn 3	2.38	2.30	1.58	1.01	7.26	1.71	1.31	2.19	5.21	12.47
OK 187 Syn 1	2.44	2.14	1.57	0.91	7.06	1.67	1.28	2.15	5.09	12.15
Mean	2.51	2.40	1.67	1.02	7.60	1.83	1.38	2.31	5.53	13.12
5% LSD	0.17	0.22	0.09	0.08	0.38	0.14	0.11	0.16	0.36	0.66
CV (%)	6	8	5	7	4	7	7	6	6	4
MCV (%)	7	9	5	8	5	8	8	7	7	5
LSR (%)	36	40	36	31	34	36	55	41	45	35

Generation = (Com) = from commercial bags

Design: Randomized Complete Block

No. of Reps: 6

Experiment: 821

MCV = LSD/Mean x 100

LSR = LSD/Range x 100

Plot Size: 1x5m planted

Plot Size: 1x5m harvested

Plots cut on 8-17-00 but weights were not recorded because yield was highly variable and low (<0.05 ton/ac) due to extreme drought.

OKLAHOMA

Cordell, Washita County

Rain-fed, Sown September 1998

Entry (Generation)	1999					2000					2-Yr. Total
	6/3	7/8	7/30	8/31	Total	5/15	7/6	7/27	8/25	Total	
Tons Dry Matter/Acre											
OK 49 (Com)	3.44	3.42	1.90	1.57	10.33	2.13	2.45	1.19	1.18	6.95	17.28
Reward Syn 3	3.27	3.26	1.73	1.45	9.71	2.17	2.43	1.09	1.09	6.79	16.50
Enhancer Syn 3	3.26	3.23	1.68	1.45	9.61	2.13	2.35	1.09	1.15	6.74	16.35
OK 188 Syn 3	2.93	3.28	1.77	1.66	9.65	1.98	2.33	1.17	1.06	6.54	16.19
Magnum V Syn 3	3.27	3.24	1.72	1.46	9.68	2.00	2.35	1.07	1.04	6.45	16.13
OK 188 Syn 1	2.93	3.17	1.73	1.60	9.42	2.00	2.31	1.14	1.14	6.59	16.02
OK 208 Syn 3	2.89	3.26	1.80	1.50	9.44	1.92	2.38	1.18	1.08	6.57	16.02
Garst 630 Syn 3	3.08	3.19	1.68	1.49	9.43	1.97	2.41	1.11	1.03	6.52	15.95
OK 164 Syn 3	2.89	3.24	1.67	1.47	9.27	2.09	2.35	1.08	1.13	6.65	15.92
OK 209 Syn 3	2.90	3.12	1.77	1.51	9.29	1.83	2.23	1.12	1.16	6.33	15.63
Dagger+EV (Com)	3.17	3.14	1.60	1.47	9.37	1.91	2.32	1.02	0.95	6.21	15.58
CW 6585 Syn 2	2.96	3.26	1.65	1.41	9.27	1.89	2.41	1.05	0.96	6.31	15.58
ZC 9650	3.20	3.23	1.63	1.38	9.44	1.94	2.21	0.96	0.91	6.02	15.45
Cimarron 3i Syn 3	3.13	3.20	1.52	1.32	9.17	2.07	2.37	0.94	0.88	6.25	15.43
Boggs' Buffalo (Com)	2.60	2.92	1.85	1.68	9.04	1.73	2.21	1.21	1.22	6.37	15.41
DK 142 Syn 2	3.29	3.19	1.53	1.39	9.39	1.90	2.32	0.96	0.84	6.01	15.40
CW 6408 Syn 2	2.97	3.13	1.60	1.38	9.08	1.91	2.32	0.99	0.88	6.10	15.22
Affinity +Z (Com)	3.17	3.18	1.50	1.42	9.27	2.06	2.24	0.88	0.74	5.92	15.19
WL 414 Syn 3	2.76	3.06	1.69	1.40	8.92	1.71	2.20	1.05	1.21	6.18	15.10
CW 6539 Syn 2	3.06	3.13	1.48	1.40	9.07	1.88	2.37	0.95	0.76	5.95	15.03
OK 187 Syn 1	2.72	3.03	1.64	1.47	8.87	1.85	2.16	1.08	0.95	6.05	14.92
WL 324 Syn 3	3.07	2.95	1.49	1.29	8.81	2.01	2.29	0.96	0.83	6.09	14.90
CW 6425 Syn 2	2.94	3.07	1.57	1.42	8.99	1.73	2.16	0.98	0.91	5.78	14.74
DK 143 Syn 2	3.03	3.06	1.43	1.31	8.83	1.88	2.28	0.96	0.77	5.89	14.72
Mean	3.04	3.16	1.65	1.45	9.31	1.95	2.31	1.05	1.00	6.30	15.61
5% LSD	0.26	0.19	0.14	0.17	0.61	0.19	0.18	0.11	0.09	0.47	0.96
CV (%)	7	5	7	10	6	8	7	9	8	6	5
MCV (%)	9	6	8	12	7	10	8	10	9	7	6
LSR (%)	31	38	30	46	40	41	62	33	19	40	37

Generation = (Com) = from commercial bags

Design: Randomized Complete Block

No. of Reps: 6

Experiment: 871

MCV = LSD/Mean x 100

LSR = LSD/Range x 100

Plot Size: 1x5m planted

Plot Size: 1x5m harvested

OKLAHOMA
Cherokee, Alfalfa County
Rain-fed, Sown September 1998

Entry (Generation)	1999			2000				2-Yr. Total	2-Yr. NN*
	6/9	7/23	Total	5/12	7/5	8/10	Total		
Tons Dry Matter/Acre									
OK 49 (Com)	3.09	1.70	4.79	2.69	2.42	1.42	6.52	11.31	11.37
Magnum V Syn 3	3.00	1.80	4.80	2.57	2.43	1.44	6.43	11.24	11.10
Reward Syn 3	2.90	1.65	4.54	2.58	2.31	1.33	6.21	10.76	11.04
WL 324 Syn 3	2.86	1.69	4.55	2.52	2.20	1.15	5.87	10.43	10.94
Garst 630 Syn 3	3.00	1.81	4.80	2.56	2.28	1.33	6.16	10.97	10.92
DK 142 Syn 2	3.08	1.78	4.86	2.57	2.34	1.27	6.18	11.04	10.88
ZC 9650	3.00	1.72	4.72	2.58	2.21	1.25	6.03	10.75	10.88
OK 208 Syn 3	3.05	1.66	4.71	2.51	2.30	1.34	6.16	10.86	10.86
Affinity +Z (Com)	3.10	1.76	4.86	2.67	2.25	1.26	6.19	11.05	10.84
Dagger+EV (Com)	2.95	1.68	4.63	2.56	2.28	1.25	6.10	10.73	10.84
Enhancer Syn 3	2.99	1.66	4.65	2.65	2.32	1.39	6.36	11.01	10.79
Cimarron 3i Syn 3	2.88	1.53	4.41	2.55	2.22	1.16	5.94	10.32	10.69
OK 207 Syn 3	2.94	1.65	4.59	2.50	2.27	1.35	6.11	10.71	10.67
OK 164 Syn 1	2.95	1.57	4.53	2.50	2.25	1.29	6.05	10.57	10.58
CW 6585 Syn 2	3.02	1.79	4.81	2.50	2.29	1.31	6.09	10.90	10.54
Garst 6420 Syn 3	2.75	1.61	4.36	2.52	2.20	1.26	5.99	10.35	10.51
OK 206 Syn 3	3.10	1.69	4.78	2.46	2.13	1.31	5.91	10.69	10.49
CW 6425 Syn 2	2.89	1.66	4.55	2.36	2.08	1.17	5.60	10.15	10.48
Boggs' Buffalo (Com)	2.72	1.73	4.45	2.21	2.28	1.66	6.15	10.66	10.47
OK 163 Syn 1	2.98	1.64	4.62	2.51	2.17	1.19	5.87	10.49	10.39
WL 414 Syn 3	2.88	1.80	4.68	2.39	2.23	1.41	6.04	10.72	10.35
CW 6408 Syn 2	2.85	1.76	4.61	2.32	2.15	1.16	5.63	10.16	10.32
DK 143 Syn 2	2.82	1.63	4.45	2.53	2.26	1.22	6.02	10.47	10.26
CW 6539 Syn 2	2.88	1.75	4.63	2.34	2.08	1.09	5.51	10.12	10.24
Mean	2.94	1.70	4.64	2.51	2.25	1.29	6.05	10.69	10.69
5% LSD	0.24	0.26 ^{ns}	0.42 ^{ns}	0.20	0.21 ^{ns}	0.23	0.57 ^{ns}	0.92 ^{ns}	-
CV (%)	7	13	8	7	8	15	8	8	-
MCV (%)	8	15	9	8	9	18	9	9	-
LSR (%)	63	93	84	42	60	40	56	77	-

Generation = (Com) = from commercial bags

ns = F value is not significant at p = 0.05

Design: Randomized Complete Block

*NN Total = Means adjusted by nearest neighbor analysis

Experiment: 872

MCV = LSD/Mean x 100

LSR = LSD/Range x 100

Plot Size 1x5m planted

Plot Size 1x5m harvested

OKLAHOMA

Tipton, Southwest Agronomy Research Station, Tillman County, Rain-fed, Sown September 1997, Experiment: 761

Entry (Generation)	1998						1999					2000				3-Yr. Total	3-Yr. NN*
	4/22	5/29	7/1	8/3	10/23	Total	4/27	6/1	7/1	10/11	Total	4/28	6/6	7/5	Total		
Tons Dry Matter/Acre																	
OK 208 Syn 2	4.35	1.73	0.66	1.45	0.35	8.54	1.50	1.00	1.32	1.27	5.09	2.06	1.15	1.94	5.15	19.35	19.69
OK 199 Syn 3	4.24	1.60	0.61	1.33	0.33	8.11	1.56	0.97	1.23	1.31	5.07	1.80	1.01	1.90	4.70	18.51	19.54
OK 209 Syn 2	4.29	1.68	0.71	1.57	0.41	8.66	1.49	1.06	1.36	1.28	5.18	1.85	1.04	1.96	4.85	19.30	19.32
OK 169 Syn 3	4.29	1.72	0.76	1.56	0.41	8.74	1.53	1.01	1.27	1.23	5.05	1.84	1.03	1.97	4.84	19.02	19.13
OK 49 (C)	4.21	1.73	0.71	1.54	0.49	8.68	1.64	1.08	1.35	1.22	5.30	2.10	1.12	1.95	5.17	19.64	19.04
Garst 631 Syn 3	4.32	1.73	0.70	1.48	0.39	8.62	1.51	1.05	1.34	1.29	5.20	1.84	1.06	1.95	4.84	19.35	18.92
OK 206 Syn 3	4.35	1.80	0.64	1.42	0.35	8.56	1.47	0.99	1.34	1.28	5.08	1.82	1.03	1.97	4.83	19.05	18.85
Enhancer Syn 3	4.06	1.57	0.62	1.52	0.35	8.12	1.49	1.05	1.31	1.32	5.17	2.10	1.17	2.00	5.27	19.06	18.63
Cimarron 3i Syn 3	4.64	1.81	0.60	1.55	0.37	8.96	1.81	1.12	1.42	1.23	5.59	2.06	0.94	1.79	4.79	19.32	18.54
OK 164 Syn 2	4.21	1.60	0.60	1.28	0.34	8.02	1.42	0.96	1.22	1.23	4.84	1.85	1.01	1.79	4.65	18.06	18.39
OK 207 Syn 3	4.17	1.71	0.60	1.41	0.35	8.24	1.46	1.01	1.29	1.26	5.02	1.79	0.98	1.89	4.67	18.41	18.37
OK 214 Blend	4.04	1.45	0.61	1.37	0.37	7.84	1.31	0.89	1.15	1.24	4.59	1.67	0.95	1.89	4.52	17.46	18.18
Nowakowski's Buffalo (C)	3.86	1.66	0.78	1.65	0.44	8.39	1.37	0.90	1.31	1.27	4.86	1.49	0.94	1.91	4.34	17.95	18.00
OK 211 Syn 2	4.21	1.60	0.62	1.38	0.29	8.09	1.39	0.97	1.21	1.22	4.79	1.64	0.87	1.89	4.40	17.89	18.00
Boggs' Buffalo (C)	4.02	1.54	0.67	1.45	0.34	8.03	1.39	0.96	1.28	1.26	4.90	1.87	1.13	1.99	4.99	18.56	18.00
OK 210 Syn 2	4.01	1.50	0.60	1.36	0.32	7.78	1.23	0.89	1.12	1.21	4.44	1.74	0.97	1.92	4.63	17.40	17.93
Garst 630 (C)	4.08	1.43	0.56	1.39	0.31	7.77	1.43	0.98	1.26	1.20	4.87	1.91	1.10	1.88	4.89	18.02	17.91
WL 324 Syn 3	4.15	1.62	0.62	1.50	0.33	8.23	1.56	1.09	1.41	1.16	5.23	1.92	1.02	1.88	4.81	18.88	17.64
OK 212 Syn 1	3.27	1.51	0.55	1.24	0.35	6.91	1.08	0.67	1.05	1.18	3.97	1.70	0.94	1.86	4.50	16.41	17.48
Good As Gold (C)	3.97	1.50	0.52	1.40	0.33	7.72	1.25	0.92	1.19	1.16	4.52	1.74	0.91	1.79	4.44	17.11	17.19
Mean	4.14	1.62	0.64	1.44	0.36	8.20	1.45	0.98	1.27	1.24	4.94	1.84	1.02	1.91	4.77	18.44	18.44
5% LSD	0.45	0.28ns	0.12	0.26ns	0.13ns	0.92	0.35 ns	0.20	0.25 ns	0.14 ns	0.84 ns	0.39NS	0.21NS	0.21NS	0.7NS	2.02NS	-
CV (%)	9	15	16	16	30	10	19	16	16	9	14	17	17	9	12	9	-
MCV (%)	11	17	19	18	36	11	24	20	20	11	17	21	21	11	15	11	-
LSR (%)	33	74	46	63	65	45	48	44	68	87	52	64	70	100	76	63	-

Generation = (C) = from commercial bags

ns = F value is not significant at p = 0.05

Design: Randomized Complete Block

No. of Reps: 6

Experiment: 761

*NN Total = Means adjusted by nearest neighbor analysis

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

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

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

OKLAHOMA

Haskell, Eastern Research Station, Muskogee County, Rain-fed, Sown September 1997, Experiment: 751

Entry (Generation)	1998					1999					2000					3-Yr. Total
	5/6	6/12	7/14	10/22	Total	5/6	6/14	7/22	10/22	Total	4/19	5/24	6/29	7/26	Total	
Tons Dry Matter/Acre																
OK 49 (Com)	1.30	1.26	0.97	1.01	4.54	1.92	1.32	1.09	0.92	5.25	1.70	1.48	1.34	1.21	5.72	15.50
HayGrazer Syn 3	1.41	1.22	0.86	1.06	4.55	2.02	1.30	1.07	0.83	5.22	1.60	1.38	1.22	1.16	5.37	15.14
Nowakowski's Buffalo	1.18	1.13	0.84	0.93	4.08	1.73	1.19	1.24	0.94	5.09	1.50	1.54	1.33	1.56	5.93	15.10
OK 213 Syn 1	1.28	1.30	0.89	0.92	4.39	1.79	1.35	1.19	0.81	5.13	1.56	1.46	1.23	1.27	5.51	15.03
Cimarron 3i Syn 3	1.33	1.23	0.93	1.04	4.52	2.01	1.34	1.10	0.81	5.25	1.59	1.38	1.13	1.16	5.25	15.03
Garst 631 Syn 3	1.26	1.30	0.90	0.98	4.44	1.94	1.37	1.12	0.77	5.20	1.48	1.37	1.26	1.20	5.31	14.95
Good As Gold (Com)	1.23	1.31	0.92	0.93	4.39	1.90	1.28	1.15	0.79	5.11	1.47	1.38	1.28	1.30	5.43	14.94
OK 169 Syn 3	1.19	1.23	0.92	0.93	4.27	1.88	1.35	1.12	0.82	5.17	1.55	1.42	1.25	1.26	5.47	14.91
OK 199 Syn 3	1.28	1.27	0.90	0.94	4.39	1.90	1.38	1.11	0.78	5.17	1.53	1.39	1.22	1.19	5.33	14.89
OK 209 Syn 2	1.15	1.26	0.89	0.90	4.20	1.85	1.38	1.18	0.84	5.23	1.51	1.47	1.19	1.25	5.43	14.86
OK 214 Blend	1.10	1.17	0.86	0.93	4.06	1.95	1.39	1.19	0.80	5.34	1.55	1.41	1.18	1.26	5.39	14.79
ZC 9650 Syn?	1.31	1.17	0.91	0.89	4.29	1.82	1.43	1.18	0.80	5.23	1.40	1.41	1.12	1.30	5.23	14.74
WL 324 Syn 3	1.30	1.26	0.82	0.89	4.27	1.96	1.42	1.14	0.69	5.22	1.47	1.35	1.20	1.14	5.16	14.66
OK 210 Syn 2	1.26	1.23	0.85	0.91	4.24	1.82	1.38	1.07	0.76	5.03	1.54	1.41	1.24	1.18	5.37	14.64
ZC 9651 Syn?	1.23	1.26	0.96	0.93	4.37	1.86	1.45	1.15	0.75	5.21	1.38	1.34	1.14	1.13	4.37	14.58
Gaarst 630 (Com)	1.16	1.29	0.86	0.92	4.23	1.87	1.34	1.08	0.72	5.01	1.43	1.42	1.19	1.18	5.22	14.46
OK 208 Syn 2	1.22	1.09	0.88	0.96	4.16	1.81	1.28	0.99	0.80	4.88	1.50	1.41	1.22	1.24	5.37	14.42
ZC 9641 Syn?	1.35	1.30	0.91	0.88	4.45	1.90	1.28	1.12	0.75	5.05	1.38	1.31	1.10	1.12	4.91	14.40
Boggs' Buffalo	1.09	1.16	0.79	0.90	3.93	1.78	1.38	1.23	0.78	5.17	1.38	1.45	1.15	1.28	5.26	14.36
OK 211 Syn 2	1.23	1.20	0.77	0.86	4.07	1.84	1.27	1.10	0.70	4.91	1.46	1.37	1.13	1.10	5.06	14.03
WL 325 HQ Syn 3	1.17	1.27	0.95	0.88	4.27	1.75	1.35	1.12	0.63	4.85	1.35	1.29	1.12	1.11	4.87	13.99
ZC 9640 Syn?	1.25	1.24	0.88	0.90	4.27	1.82	1.31	1.08	0.64	4.86	1.31	1.25	1.12	1.07	4.74	13.87
Garst645 (Com)	1.27	1.09	0.77	0.92	4.05	1.87	1.35	1.10	0.68	5.01	1.38	1.26	1.05	1.09	4.78	13.84
AmeriGard 301 Syn?	1.05	1.16	0.91	0.93	4.05	1.71	1.24	1.03	0.74	4.73	1.31	1.29	1.19	1.14	4.92	13.70
Mean	1.23	1.23	0.88	0.93	4.27	1.86	1.34	1.12	0.77	5.10	1.47	1.38	1.19	1.20	5.25	14.62
5% LSD	0.17	0.19ns	0.11	0.07	0.26	0.13	0.16 ns	0.11	0.13	0.31	0.16	0.17ns	0.14	0.21	0.57	0.89
CV (%)	12	14	11	7	5	6	10	9	15	5	10	11	10	15	10	5
MCV (%)	14	16	13	8	6	7	12	10	17	6	11	12	12	18	11	6
LSR (%)	47	86	55	35	42	42	76	44	65	51	41	59	48	43	48	49

Generation = (Com) = from commercial bags
 ns = F value is not significant at p = 0.05
 Design: Randomized Complete Block
 No. of Reps: 6
 Experiment: 751

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