

Table 12. Mean coleoptile length and mean seed weight of the 45 entries in the 1997 Southern Regional Performance Nursery grown in the irrigated nursery at Bushland, TX, with mean plant height of entries over all locations. Coleoptile length and seed weight data provided K. B. Porter.

Entry no.	CI or Sel. No.	Coleoptile Length		1997 Mean Wt. 16 seed	Regional Mean Plant Height
		1997 Bushland Irrigated	3-Site 1996-97 Mean		
		----- mm -----	-----	mg	cm
2	CI13996	122	118	409	95
14	TX95V5332	121		433	86
25	NE93405	119	116	406	89
27	NE93496	116		392	91
43	GI594	112		476	89
1	CI1442	106	107	351	104
45	GI2017	95		329	86
9	HBG0358	94		473	87
40	T86	93		436	86
36	XH1887*	91		385	80
6	OK94P461	90		426	78
28	NE94632	89		467	84
41	T93	89		446	85
3	PI495594	87	90	340	79
32	W94-245	87		336	75
35	WX94-1604*	87		349	83
39	T89	86	86	397	83
19	KS94H147	85		354	83
5	OK94P549	85		444	82
13	TX95V4933	84		401	78
26	NE93427	84	79	364	85
31	W94-320	83		468	86
42	T94	83		345	87
24	N95L158	82		442	79
29	W94-042	82		358	76
12	TX95V4926	81		403	80
33	W94-435	81		374	79
16	CO910424	80	87	324	85
22	KS85W663-11-6	80		461	82
17	CO920696	79		444	79
21	KS940935-125-5	79	75	473	83
7	TXD6825	79	80	437	87
20	KS941064-6	78	75	507	78
4	OK93617	78		401	75
44	GI720	78		333	84
10	TX94V2327	77		369	83
11	TX94V3329	77		363	77
23	KS84W063-9-39	77	73	452	87
37	XH1881*	77		466	87
8	TX91D6856	76		389	79
30	W94-137	75		323	78
15	TX94V2130	74		336	78
38	WX95-2401*	74		430	79
34	WX94-3504*	73		524	80
18	CO940700	69		452	81
Mean		86	90	406	
LSD (0.05)			7		
C.V. %			5		

* Hybrids were evaluated using F2 seed.

Table 12a. Correlation of coleoptile length of 1997 SRPN entries from one seed source with mean seed weight and mean plant height over locations.

	Coleoptile length Bushland Irrigated
r value - coleoptile length and weight of seed	0.02
Probability > r	0.99
r value - coleoptile length and mean plant height	0.63
Probability > r	0.0001