

Table 13. Mean coleoptile length, mean seed weight of the 45 entries in the 1994 Southern Regional Performance Nursery grown at Bushland, TX, with mean plant height of entries over all locations. Coleoptile and seed weight data provided by K.B. Porter.

Entry	C.I. or Seln.	Coleoptile Length				2-Site	Regional
		Bushland, TX		2-Site	4-Site	1994	Mean
		Rainfed	Irrigated	1994	1993-94	Mean wt. 16-Seed	Plant Height
		mm		mm		mg	cm
2	CI13996	128	119	124	122	497	87
33	NE91635	118	116	117		417	75
1	CI1442	109	113	111	110	407	94
31	NE90524	109	107	108	105	413	78
10	TX90D9277	102	104	103	101	431	71
17	TX90V6313	100	97	99		513	66
28	KS93U206	98	96	97		527	71
3	PI495594	95	93	94	92	530	68
8	OK91783	95	93	94		462	72
5	OK88767-02	97	89	93		518	68
23	KS92PO59E	92	92	92	90	511	70
37	XH1689*	90	91	91		441	77
11	TX89A7137	94	88	91	89	508	68
9	HBZ374C	90	91	91		433	71
16	TX89A7141	89	90	90	87	511	68
7	OK90649	92	85	89		531	72
42	T4731	89	91	89	86	475	69
21	CO880210	89	89	89	87	451	70
27	KS84063-9-39-3	88	87	88		468	72
35	XH1520*	85	90	88	82	487	74
12	TX91V4931	84	89	87	86	422	69
20	CO880169	87	86	87	83	442	73
13	TX90V8410	91	81	86	83	473	69
6	OK90604	86	85	86		474	69
32	NE91608	85	83	84		453	77
18	TX92V4135	81	86	84		368	65
30	NE90479	84	83	84	81	459	79
29	N87V106	85	83	84	81	409	71
45	T83	85	81	83		490	72
4	OK88767-11	80	84	82	79	474	67
19	HBE0726-1	80	83	82		396	68
40	WI89-273-13	86	74	80		426	66
22	CO910927	80	80	80		463	67
25	KS92PO363-134	81	79	80	79	409	71
43	T4732	83	76	79		482	73
24	KS92PO263-137	76	82	79	78	498	71
41	WI89-189-14	79	77	78		538	64
44	T81	79	77	78		440	70
38	XH1693*	75	80	78		413	73
36	XH1529*	75	79	77	76	518	68
39	XH1706*	75	77	76		415	74
15	TX91V3308	78	73	76	72	436	70
26	KS92PO425-155	75	74	75	73	426	66
14	TX90V7911	78	72	75	70	391	70
34	NE91651	66	71	69		362	72
Mean		88	87	88	82	458	
LSD(0.05)				7	6	76	
C.V.				4	5	9	

* Hybrids were evaluated using F2 seed.

Table 13a. Correlation of coleoptile length of 1994 SRPN entries from two seed sources with mean seed weight and mean plant height over locations.

	Coleoptile Length		2-Site 1994 Mean
	Bushland, TX		
	Rainfed	Irrigated	
r value - coleoptile length and weight of seed planted	0.08	0.25	0.15
probability > r	0.59	0.10	0.17
r value - coleoptile length and mean plant height	0.52	0.56	0.55
probability > r	<0.01	<0.01	<0.01