

Table 13. Mean coleoptile length and mean seed weight of the 45 entries in the 1995 Southern Regional Performance Nurseries grown at Dallas, TX and Altus, OK with mean plant height of entries over all locations. Coleoptile and seed weight data provided by K. B. Porter.

Entry no.	CI or Sel. No.	Coleoptile Length				2-Site	Regional
		Dallas,	Altus,	2-Site	4-Site	1995	mean
		Texas	Oklahoma	1995	1994-95	Mean Wt.	plant
				Mean	Mean	16 Seed	ht
					mm	mg	cm
2	CI13996	116	110	113	118	429	95
1	CI1442	106	106	106	109	388	102
29	NE92614	101	95	98		448	92
42	T702	97	94	96		492	80
3	PI495594	92	90	91	93	512	81
11	TX90V6313	90	91	91	94	556	78
24	KS91H153-2	93	86	90		503	81
4	HBZ374C	91	86	89	90	515	86
45	T861	87	91	89		445	83
23	KS93U206	93	80	87	92	538	83
9	TX91D6913	85	82	84		480	86
20	CO890323	82	83	83		430	85
38	WX92-0408*	85	79	82		451	81
19	TX92V2519	82	79	81		381	77
34	XH1778*	84	77	81		486	84
25	N93L058	82	80	81		483	79
13	HBE0726-1	80	79	80	81	484	82
40	WI90-540W	82	76	79		509	75
12	TX92V4135	82	74	78	81	491	79
6	OK93P735	81	75	78		446	79
31	XH1706*	79	76	78	77	446	85
22	KS92P0263-137	75	79	77	78	505	87
30	NE92646	76	78	77		359	86
32	XH1752*	78	74	76		430	89
43	T834	74	74	74		427	85
33	XH1778*	74	74	74		484	78
27	NE90476	74	74	74		503	84
16	TX93V5919	77	69	73		449	84
37	AP7501*	73	73	73		393	82
17	TX93V5922	71	72	72		499	82
44	T812	72	71	72		480	80
8	OK93P727	71	72	72		539	81
36	W91-287	74	69	72		457	80
15	HBI0531-A2	71	68	70		445	79
35	W91-091	72	68	70		434	76
18	TX93V4927	72	67	70		400	74
5	OK91P648	72	66	69		471	78
21	CO900166	71	66	69		418	83
7	OK93P656	68	70	69		468	81
28	NE92458	70	66	68		453	87
26	NE91651	70	66	68	68	454	86
14	TX92V3108	66	65	66		437	82
39	WI89-163W	68	61	65		363	78
10	TX91D6991	64	61	63		428	81
41	W88-2619W	58	51	55		403	79
Mean		78	76	78	89	458	
LSD (0.05)				5.4	5.1	77	
C.V. %				3.2	3.9	8.3	

* Hybrids were evaluated using F2 seed.

Table 13a. Correlation of coleoptile length of 1995 SRPN entries from two seed sources with mean seed weight and mean plant height over locations.

	Coleoptile length		2-Site 1995 mean
	Dallas, TX	Altus, OK	
r value - coleoptile length and weight of seed planted	0.21	0.12	0.21
Probability > r	0.16	0.42	0.16
r value - coleoptile length and mean plant height	0.52	0.56	0.54
Probability > r	0.0003	0.0001	0.0001