

Table 13a. Mean coleoptile length, mean seed weight of the 45 entries in the 1993 SRPN grown at Bushland, TX (irrigated) and at Chillicothe, TX (rainfed), and mean height of the 45 entries over all locations. Coleoptile length and seed weight provided by K. B. Porter.

C.I., P.I. OR SEL. NO.	ENTRY NO.	COLEOPTILE LENGTH				2-SITE MEAN WT 16 SEED PLANTED	LOCATION MEAN PLANT HEIGHT
		CHILLICOTHE, TX	BUSHLAND, TX	2- SITE 1993 MEAN	4-SITE 1992- 1993 MEAN		
		mm	mm	mm	mm	mg	cm
CI13986	2	120	120	120	115	453	104
CI1442	1	111	107	109	110	416	108
NE88584	30	102	108	105	102	462	99
NE90524	32	101	103	102		446	98
T70	43	99	105	102		521	85
TX90D9277	10	93	103	98		428	88
T13	41	86	98	92	89	373	87
PI495594	3	87	94	91	88	467	86
TX91V5739	15	87	90	89		490	89
TX89A7137	11	85	90	88		512	86
XH1610*	38	88	87	88		453	90
KS92P059E	24	85	89	87		528	86
OK88767-02	5	90	83	87		524	84
CO880240	21	84	87	86		457	92
TX91V4931	12	81	89	85		486	85
CO880210	20	86	84	85		404	86
TX89A7141	17	82	86	84		532	84
WI89-055	40	81	86	84		473	81
TH905*	45	86	82	84		527	89
OK88767-15	6	84	80	82		505	79
T64	44	82	81	82		460	88
T4731	42	78	85	82		407	87
TX90V8410	13	80	80	80		522	85
CO880169	19	79	81	80		391	92
KS89H48-1	28	79	80	80	78	465	91
TX88A6533	9	76	82	79	78	474	81
NE90479	31	78	79	79		518	93
KS84063-9-7	23	78	78	78		503	91
KS92P0263-137	25	76	79	78		492	87
KS92P0363-134	26	77	77	77		432	87
N87V106	29	77	77	77	76	462	90
OK88767-11	4	74	78	76		528	83
XH1455*	34	77	75	76		427	91
XH1520*	36	75	76	76		439	90
XH1529*	37	76	75	76		487	86
OK88767-24	7	76	74	75		537	83
CO880054	18	67	80	74		385	86
KS831374-142	22	73	75	74	70	464	83
TX91V3308	16	74	72	73		500	86
KS92P0425-155	27	72	71	72		421	80
W87-017-44	39	70	73	72		473	86
NE90574	33	67	75	71		413	95
XH1485*	35	69	71	70		447	91
TX886480	8	65	70	68	69	514	83
TX90V7911	14	70	61	66		503	86
MEAN		82	84	83	87	469	
LSD (.05)				7	6	80	
C.V.				4	5	9	

* Hybrids were evaluated using F₂ seed.

Table 13b. Correlation of coleoptile length of 1993 entries from 2 seed sources, mean seed weight and mean plant height over locations.

	Coleoptile Length		
	Chillicothe, TX	Bushland, TX	2-Site 1993 Mean
r value coleoptile length and weight of seed planted	0.00	-0.12	-0.11
probability > r	100	0.44	0.47
r value coleoptile length and mean plant height	0.60	0.54	0.58
probability > r	0.001	0.001	0.001