

Table 13a. Mean coleoptile length of seedlings from seed of the 45 entries in the 1992 Southern Regional Performance Nursery grown on dryland at Bushland and Chillicothe, TX, mean seed weight, and regional mean plant height. Data, except for plant height, provided by K. B. Porter, Professor Emeritus, Texas A&M University Research and Extension Center, Amarillo-Bushland, TX.

: C.I. or : Sel. No.	: Entry: : No.:	Coleoptile length				Two-site	Regional:
		Chilli- cothe, TX:	Bushland TX	1992 Mean	1991-92: Mean	Mean Wt. of: 16 seed planted	Mean Plant Height
						mg	cm
CI13996	2	116	104	110	105	388	93
CI1442	1	104	116	110	107	392	98
NE88588	33	105	103	104		408	86
NE88584	32	99	97	98		416	89
KS84170E-8-3	24	94	89	92		491	80
TX88V4635	11	91	81	86	85	418	77
T13	41	89	83	86		378	78
OK89399	6	86	84	85		496	79
PI495594	3	86	83	85	80	455	76
HBC302E	25	85	83	84		452	78
T67	42	82	85	84	82	442	84
TX88V4636	8	88	80	84	83	386	77
TH901	44	87	80	84	81	482	80
XH1319	34	80	83	82		505	82
XH1436	35	86	75	81		476	82
W87-018	38	82	80	81		423	75
TX84V1418HF	9	87	73	80	82	408	81
TX89V4138	14	84	76	80	79	398	77
TX902	45	79	80	80	79	447	81
WI88-028	40	78	82	80		443	68
NE88427	31	80	78	79	79	404	80
TX88V5433	15	82	74	78	78	402	76
TX88A6533	17	81	74	78		407	72
OK88W833	4	83	73	78	79	469	76
KS87H325-2	26	76	78	77		510	80
KS89H48-1	27	76	76	76		420	83
N87V106	29	76	72	74		442	82
CO870449	21	75	70	73		399	77
TX87V1613	12	78	67	73	69	425	81
OK89499	5	74	72	73		429	77
XH1437	36	73	69	71		394	87
OK89421	7	74	67	71		404	82
CO860235	20	76	66	71		365	75
CO860094	19	75	66	71	71	343	76
TX88A6480	16	75	64	70		468	73
TX88V5440	10	70	67	69		396	73
WI88-181	39	72	63	68		400	71
T21-3	43	67	66	67	65	366	82
KS89H50-4	28	67	66	67		398	85
NE88595	30	69	65	67	66	359	82
XH1497	37	69	65	67		439	81
KS831374-142	23	69	63	66		444	75
CO860086	18	63	62	63	65	337	74
TX88V4524	13	64	58	61	61	321	71
KSSB-369-7	22	47	68	58	68	490	73
Mean		80	76	78	78	421	
LSD(.05)				9	6	98	
CV				5.7	5.3	12	

\* Hybrids were evaluated using F<sub>2</sub> seed.

Table 13b. Correlation of coleoptile length of 1992 SRPN entries from two seed sources, mean seed weight, and mean plant height over locations.

	Coleoptile length			Two-site
	Chilli-	Bushland	1992	Mean Wt. of:
	cothe, TX:	TX	Mean	planted
r value, coleoptile length and weight of planted seed	0.05	0.29	0.17	
probability > r	0.73	0.05	0.29	
r value, coleoptile length and weight of seed planted with mean plant height	0.55	0.63	0.61	-0.002
probability > r	0.0001	0.0001	0.0001	0.99