Table 2. Summary of mean yields (kg/ha) for 45 wheats grown in the 1993 Southern Regional Performance Nursery at locations with state means and ranks.

VARIETY OR PEDIGREE	C.I. OR SEL. NO.	ENTRY NO.	PROSPER TEXAS		CHILLI-COTHE TEXAS		BUSHLAND (IRR.) TEXAS		TEXAS STATE MEAN	
Quantum Hybrid Wheat	XH1529	37	5100	1	5671	1	8393	1	6388	1
Quantum Hybrid Wheat	XH1520	36	4535	14	5035	10	7835	7	5801	3
W2440/W9488A//2163	KS92P0263-137	25	4829	3	5163	8	6772	26	5588	11
W8447D/W2436//W3420	KS92P0425-155	27	4817	4	5216	6	8081	3	6038	2
WX11088/2165//W8447	KS92P059E	24	4598	12	4927	13	7678	9	5734	7
Quantum Hybrid Wheat	XH1455	34	4672	8	5194	7	7505	12	5790	4
Quantum Hybrid Wheat	XH1485	35	4161	27	4618	28	7855	6	5544	14
TX81V6187/Abilene (Ogallala)	WI89-055	40	4642	11	4811	17	7303	15	5585	12
F29-76/TAM-105//Chisholm	OK88767-11	4	4699	7	4997	11	6389	35	5361	18
TAM-105/10334	TX89A7137	11	4158	28	4640	25	7243	17	5347	19
T14//Brule/TAM-108	T4731	42	4127	31	4636	26	6620	30	5127	30
TAM-105/10334	TX89A7141	17	4255	20	4656	23	7346	14	5419	17
Coker 68-151/TAM-107	T70	43	3791	36	4400	36	7176	21	5122	31
Quantum Hybrid Wheat	XH1610	38	4488	15	4748	19	7660	10	5632	9
TAM-107	TAM-107	3	4131	30	4055	41	6747	27	4978	37
TX71A889/TAM-101	TX88A6533	9	3551	40	3795	44	7960	5	5102	32
WX12907/T-108//W2440	KS92P0363-134	26	4651	10	4817	16	6030	41	5166	28
TAM-107/TX3006	C0880210	20	4208	22	4474	33	7357	13	5346	20
TAM-108/Vee's'//TX84V2029	TX91V3308	16	4342	18	5671	1	6638	29	5550	13
F29-76/TAM-105//Chisholm	OK88767-24	7	4663	9	4716	22	6434	33	5271	24
Brule sel n/4/Bez 1/3/Ctk//Arthur/Ctk78	NE90524	32	4553	13	5122	9	7216	19	5630	10
TX81V6603/TX78A3345-V34	TX90V8410	13	4167	26	4721	21	8323	2	5737	6
Karl sib	KS831374-142	22	4725	6	4826	15	6431	34	5328	21
TAM-107/Hail	C0880169	19	4017	33	4432	34	7241	18	5230	25
TAM-200//TX86949-2/TAM-107	TX91V4931	12	4761	5	4797	18	7810	8	5789	5
Dular/Eagle//2*Cheney/Larned/3/Colt	KS89H48-1	28	4071	32	4492	32	7113	22	5225	26
TAM-107/TAM-105	T13	41	3015	44	3818	43	6662	28	4498	44
F29-76/TAM-105//Chisholm	OK88767-15	6	4423	17	4651	24	6068	39	5047	34
Lov 13/2*Ctk78//TAM-105	C0880054	18	3959	34	4582	29	6021	43	4854	41
TAM-200//8x1/Tan 's'	TX90D9277	10	4900	2	4988	12	6026	42	5305	22
TX78V2430-2/TX86V1540	TX90V7911	14	3827	35	5239	5	8009	4	5692	8
Rodeo/Brule sel n//Arapahoe	NE90574	33	3764	37	4199	39	6864	24	4942	38
Osage/TAM-105	T64	44	3515	41	4268	38	7294	16	5026	35
Siouxland/TAM-101	TX88A6480	8	4172	23	4430	35	7658	11	5420	16
KS83H2510/Brule composite	NE90479	31	3714	38	4548	31	7207	20	5157	29
Complex Pedigree	N87V106	29	4450	16	4723	20	6055	40	5076	33
Colt/TX3006	C0880240	21	3275	43	4185	40	6478	32	4646	42
F29-76/TAM-105//Chisholm	OK88767-02	5	4172	23	4620	27	5833	44	4875	40
W81-133/Thunderbird (Ponderosa)	W87-017-44	39	4158	28	4833	14	6534	31	5175	27
KS82W418/Stephens	KS84063-9-7	23	4317	19	5436	3	6149	38	5301	23
Centura/Dawn//Colt sib	NE88584	30	3484	42	4356	37	6855	25	4898	39
TX86V1540//Lind/Tan	TX91V5739	15	4243	21	5349	4	7032	23	5541	15
HRW Hybrid	TH905	45	4170	25	4553	30	6344	36	5022	36
Scout 66	Scout66	2	3605	39	3916	42	6185	37	4569	43
Kharkof	Kharkof	1	1955	45	3002	45	4252	45	3070	45
	MEAN		4174		4674		6948		5265	
	LSD(.05)		535		304		667		772	
	C.V.		7.9		4.0		5.9		6.1	

Table 2. Continued.

C.I. OR SEL. NO.	ENTRY NO.	STILLWATER OKLAHOMA		LAHOMA* OKLAHOMA		GOODWELL OKLAHOMA		OKLAHOMA STATE MEAN		CLOVIS (IRR.) NEW MEXICO		CLOVIS (DRYL.) NEW MEXICO		FARMINGTON NEW MEXICO		NEW MEXICO STATE MEAN	
XH1529	37	3653	4	2901	7	6714	3	5184	1	5587	17	937	12	6705	8	4410	11
XH1520	36	3154	17	2246	24	6471	5	4813	10	5646	16	788	16	6351	14	4262	16
KS92P0263-137	25	3924	2	2773	9	6117	12	5021	3	5528	19	1031	8	6155	15	4238	17
KS92P0425-155	27	3985	1	2347	18	5970	19	4977	5	5034	28	1022	9	5386	31	3814	26
KS92P059E	24	3574	7	2581	12	5914	22	4744	13	5178	26	519	35	5801	20	3833	24
XH1455	34	3321	15	2816	8	6380	8	4851	8	6009	11	797	15	5471	29	4092	19
XH1485	35	2855	23	2346	20	6603	4	4729	14	6435	5	707	22	5825	19	4323	13
WI89-055	40	3420	12	2438	16	6456	7	4938	6	5431	23	947	11	7816	5	4731	9
OK88767-11	4	3328	14	3146	2	7033	1	5181	2	5866	13	474	39	5752	21	4031	21
TX89A7137	11	2287	36	2314	21	6050	18	4168	30	6566	3	927	13	8097	3	5197	3
T4731	42	3635	5	2346	19	5869	26	4752	12	4089	42	.	.	5496	28	4792	7
TX89A7141	17	2468	31	2363	17	5377	39	3922	39	7254	1	1141	5	8060	4	5485	1
T70	43	2699	26	2147	26	5478	37	4089	33	6203	9	1366	2	6631	10	4734	8
XH1610	38	3511	8	2579	13	6467	6	4989	4	4832	30	723	19	5581	26	3712	30
TAM-107	3	2295	34	2055	29	5716	33	4006	37	6372	7	1327	3	8231	2	5310	2
TX88A6533	9	2566	28	1875	35	5871	25	4219	27	6398	6	610	29	8402	1	5137	4
KS92P0363-134	26	3836	3	2917	6	5849	27	4843	9	4790	32	971	10	5630	24	3797	27
C0880210	20	2333	32	1896	34	5881	24	4107	31	6524	4	1098	6	6497	11	4706	10
TX91V3308	16	3463	11	3046	3	5887	23	4675	15	4169	40	595	30	6460	12	3742	28
OK88767-24	7	3081	20	3335	1	6051	17	4566	19	5701	15	496	37	6644	9	4280	14
NE90524	32	2283	37	2069	28	6087	13	4185	29	5406	24	658	25	6021	16	4028	22
TX90V8410	13	2073	40	2024	30	5947	20	4010	36	6241	8	1168	4	7413	6	4941	5
KS831374-142	22	2846	24	2649	10	5719	32	4282	25	4279	38	635	27	5190	33	3368	41
C0880169	19	2227	38	1643	41	5760	29	3994	38	5786	14	708	21	4995	37	3829	25
TX91V4931	12	2304	33	2173	25	6138	11	4221	26	5870	12	1084	7	5703	23	4219	18
KS89H48-1	28	2839	25	2076	27	5754	31	4296	24	5288	25	700	23	5838	18	3942	23
T13	41	1915	42	1553	42	5343	40	3629	41	6710	2	756	17	7047	7	4837	6
OK88767-15	6	3407	13	3038	4	5915	21	4661	18	5549	18	431	43	4629	42	3536	34
C0880054	18	2518	30	1964	33	5684	34	4101	32	6161	10	541	33	6363	13	4355	12
TX90D9277	10	3120	19	2589	11	5565	35	4343	23	4380	37	439	41	5044	36	3288	42
TX90V7911	14	3163	16	1985	32	6180	10	4672	16	4423	35	657	26	5093	35	3391	39
NE90574	33	2593	27	1790	36	5804	28	4199	28	5072	27	714	20	4629	42	3472	37
T64	44	2095	39	1756	38	6077	15	4086	34	5486	21	432	42	4690	41	3536	35
TX88A6480	8	2518	29	1741	39	6813	2	4665	17	5507	20	745	18	5996	17	4083	20
NE90479	31	3024	21	1992	31	6082	14	4553	21	5435	22	626	28	5129	34	3730	29
N87V106	29	2887	22	2538	14	5242	41	4064	35	4802	31	563	32	4983	38	3449	38
C0880240	21	1946	41	1051	43	5195	42	3570	42	4874	29	582	31	5374	32	3610	33
OK88767-02	5	3501	9	3021	5	6240	9	4870	7	4241	39	485	38	4775	40	3167	44
W87-017-44	39	3481	10	2279	23	6074	16	4778	11	4785	33	659	24	5410	30	3618	31
KS84063-9-7	23	3599	6	2443	15	5510	36	4555	20	4093	41	498	36	5520	27	3371	40
NE88584	30	2292	35	1786	37	5029	44	3661	40	3591	44	1506	1	5740	22	3612	32
TX91V5739	15	1558	43	1666	40	5404	38	3481	43	3604	43	.	.	4934	39	4269	15
TH905	45	3142	18	2292	22	5757	30	4450	22	4389	36	445	40	5618	25	3484	36
Scout66	2	1406	44	935	44	5141	43	3274	44	4739	34	864	14	4250	44	3284	43
Kharkof	1	1203	45	315	45	3147	45	2175	45	2557	45	532	34	3151	45	2080	45
MEAN		2830		2218		5861		4345		5264		765		5878		4017	
LSD(.05)		547		286		678		880		1105		578		1458		1099	
C.V.		11.9		7.9		7.1		8.7		12.9		46.5		17.7		19.0	

* Not included in state or regional means.

Table 2. Continued.

C.I. OR SEL. NO.	ENTRY NO.	NORTH PLATTE NEBRASKA		HEMING-FORO NEBRASKA		NEBRASKA STATE MEAN		PIERRE S. DAKOTA		WINNER S. DAKOTA		BROOKINGS S. DAKOTA		SOUTH DAKOTA STATE MEAN	
XH1529	37	4268	7	5138	2	4703	3	6625	11	4571	4	2697	12	4631	4
XH1520	36	4109	11	5481	1	4795	1	6418	15	4993	1	2538	15	4650	2
K892P0263-137	25	3945	17	4759	20	4352	19	7215	2	4008	22	2833	6	4685	1
K892P0425-155	27	4640	1	4797	17	4719	2	6464	13	4610	3	2728	9	4601	6
K892P059E	24	4313	5	4945	8	4629	4	6423	14	3573	45	2859	5	4285	16
XH1455	34	4382	3	4770	19	4576	5	6979	5	4253	15	2641	14	4624	5
XH1485	35	4185	9	4885	11	4535	7	6634	9	4414	10	2432	18	4493	8
WI89-055	40	3999	16	3936	35	3968	32	6056	20	3829	37	2652	13	4179	19
OK88767-11	4	3602	33	4403	29	4002	29	7644	1	4080	20	2206	23	4643	3
TX89A7137	11	3815	21	4858	13	4337	20	6210	18	4456	8	1758	35	4141	21
T4731	42	4223	8	4889	10	4556	6	5950	25	4347	12	3233	2	4510	7
TX89A7141	17	3941	18	4806	16	4373	18	5973	23	4072	21	1683	36	3909	34
T70	43	3472	36	5080	4	4276	22	7003	3	3871	34	1430	40	4101	22
XH1610	38	4107	12	4831	15	4469	10	5954	24	4481	6	2476	16	4304	13
TAM-107	3	3699	29	4508	24	4103	28	6147	19	3969	25	1296	42	3804	37
TX88A6533	9	4465	2	4495	26	4480	9	6966	6	3992	23	1244	43	4067	23
K892P0363-134	26	4044	13	4880	12	4462	11	5067	40	4201	16	3498	1	4255	18
CO880210	20	3246	38	5006	5	4126	24	6497	12	3585	44	1512	39	3865	35
TX91V3308	16	3161	39	3717	42	3439	41	6411	16	4184	18	2806	7	4467	9
OK88767-24	7	3753	24	4100	33	3926	33	6993	4	3881	32	1954	29	4276	17
NE90524	32	3782	23	4985	6	4384	16	5748	30	4459	7	1945	31	4051	25
TX90V8410	13	4351	4	4649	22	4500	8	5603	35	3692	40	1612	37	3636	40
K8831374-142	22	3894	19	4080	34	3987	30	6668	8	3835	36	1979	28	4161	20
CO880169	19	3486	35	4950	7	4218	23	5662	33	4355	11	2137	25	4052	24
TX91V4931	12	3708	28	3717	41	3712	35	5984	22	3976	24	1924	32	3961	31
K889H48-1	28	4302	6	4524	23	4413	13	5734	32	4184	17	2051	27	3990	28
T13	41	4008	15	4793	18	4400	15	6384	17	3809	38	1786	34	3993	27
OK88767-15	6	3667	32	3726	40	3697	36	6726	7	3873	33	2272	21	4290	15
CO880054	18	3730	25	4497	25	4113	26	5289	38	3898	31	1562	38	3583	41
TX90D9277	10	3714	27	5102	3	4408	14	5916	26	4146	19	3033	4	4365	10
TX90V7911	14	3132	40	4250	32	3691	37	5819	27	3910	29	2180	24	3969	30
NE90574	33	4035	14	4855	14	4445	12	5813	28	3914	28	3172	3	4300	14
T64	44	4161	10	4479	27	4320	21	5525	36	4321	14	2075	26	3973	29
TX88A6480	8	3726	26	3820	36	3773	34	5662	34	4617	2	1214	44	3831	36
NE90479	31	3784	22	4427	28	4106	27	6012	21	3592	43	2380	20	3995	26
N87V106	29	3387	37	3811	37	3599	39	5765	29	4426	9	2803	8	4331	12
CO880240	21	3862	20	4889	9	4376	17	5272	39	3854	35	2706	11	3944	32
OK88767-02	5	3060	41	3735	39	3397	42	6627	10	4559	5	1880	33	4355	11
W87-017-44	39	3683	31	3441	44	3562	40	3979	43	3921	26	2417	19	3439	43
K884063-9-7	23	2804	43	3762	38	3283	43	4850	41	3917	27	2248	22	3672	39
NE88584	30	3562	34	4687	21	4125	25	3989	42	4340	13	2709	10	3680	38
TX91V5739	15	2755	44	3712	43	3234	44	5737	31	3643	41	1172	45	3517	42
TH905	45	3688	30	4275	31	3981	31	5437	37	3908	30	2465	17	3937	33
Scout66	2	3020	42	4322	30	3671	38	3699	44	3785	39	1953	30	3146	44
Kharkof	1	2636	45	3176	45	2906	45	2676	45	3624	42	1416	41	2572	45
MEAN		3762		4465		4114		5916		4087		2213		4072	
LSD(.05)		655		641		666		878		N.S.		710		N.S.	
C.V.		10.7		8.8		9.7		9.1		14.8		19.7		13.1	

Table 2. Continued.

C.I. OR SEL. NO.	ENTRY NO.	HUTCHINSON KANSAS		HAYS* KANSAS		COLBY* KANSAS		GARDEN CITY KANSAS		KANSAS STATE MEAN		COLUMBIA MISSOURI	
XH1529	37	3461	2	5030	1	3065	1	4655	2	4058	1	2647	14
XH1520	36	2572	16	4338	3	2624	5	3854	27	3213	20	2257	33
KS92P0263-137	25	3451	3	3717	17	1382	38	4225	14	3838	3	2706	11
KS92P0425-155	27	3079	7	3901	11	1768	30	4980	1	4030	2	3327	3
KS92P059E	24	2894	9	3674	20	2429	14	4402	8	3648	6	2476	26
XH1455	34	2936	8	4145	5	2822	3	4498	4	3717	5	2752	7
XH1485	35	2291	23	3856	12	2887	2	4377	9	3334	13	2185	37
WI89-055	40	2560	17	3537	26	1473	35	4054	18	3307	14	2623	16
OK88767-11	4	2423	20	4409	2	2167	21	4037	19	3230	17	2618	18
TX89A7137	11	2070	27	3571	24	1816	29	3591	37	2831	37	2758	6
T4731	42	3097	5	2401	39	693	44	3976	21	3537	7	3747	1
TX89A7141	17	1838	36	4073	6	1988	25	3907	23	2872	34	2677	12
T70	43	2053	28	3589	23	2279	17	4482	5	3267	16	2522	25
XH1610	38	2649	13	3020	36	2512	9	4258	12	3454	10	2206	35
TAM-107	3	1450	42	4028	8	2434	13	4256	13	2853	36	3669	2
TX88A6533	9	1605	41	4048	7	2346	15	3373	41	2489	43	2260	32
KS92P0363-134	26	3598	1	2887	37	801	43	3891	24	3744	4	3126	4
CO880210	20	1432	43	3488	27	2038	24	4377	10	2905	32	2435	29
TX91V3308	16	2590	15	2091	40	1108	42	3615	35	3102	26	2731	9
OK88767-24	7	1766	38	3712	18	2101	23	3672	32	2719	40	2591	21
NE90524	32	2471	18	2024	43	1542	33	4461	6	3466	8	2713	10
TX90V8410	13	1951	33	3813	14	2254	18	4287	11	3119	25	2005	43
KS831374-142	22	2655	12	3977	9	1681	31	3907	22	3281	15	2543	24
CO880169	19	1957	32	3566	25	2299	16	3885	25	2921	31	2117	39
TX91V4931	12	1987	30	3459	29	2610	6	3770	31	2879	33	2045	41
KS89H48-1	28	2274	24	4158	4	2549	8	4428	7	3351	12	2327	31
T13	41	1647	40	3741	16	2179	19	3858	26	2752	39	2636	15
OK88767-15	6	2333	21	3945	10	2696	4	3645	34	2989	28	2614	19
CO880054	18	1761	39	3040	34	1487	34	3821	30	2791	38	2343	30
TX90D9277	10	2775	11	3109	33	1941	27	3660	33	3217	18	2662	13
TX90V7911	14	2291	22	3450	30	1830	28	4130	15	3211	21	2551	22
NE90574	33	2023	29	3199	32	1604	32	3847	28	2935	30	2740	8
T64	44	1838	35	3598	22	2499	10	4590	3	3214	19	2235	34
TX88A6480	8	1331	44	3658	21	2608	7	3460	40	2396	44	1989	44
NE90479	31	2811	10	3811	15	2495	11	4105	16	3458	9	2464	27
N87V106	29	3097	6	1892	45	1264	39	3610	36	3353	11	3063	5
CO880240	21	2250	25	3468	28	2156	22	4019	20	3134	24	2447	28
OK88767-02	5	2649	13	3818	13	2479	12	3508	39	3079	27	2548	23
W87-017-44	39	1969	31	2589	38	341	45	3341	42	2655	41	2199	36
KS84063-9-7	23	3145	4	2062	41	1197	41	3274	43	3210	22	2168	38
NE88584	30	2214	26	2040	42	1415	37	3523	38	2868	35	2621	17
TX91V5739	15	1922	34	3701	19	2174	20	3086	44	2504	42	2039	42
TH905	45	2447	19	3360	31	1434	36	3833	29	3140	23	2592	20
Scout66	2	1796	37	3031	35	1948	26	4090	17	2943	29	2105	40
Kharkof	1	376	45	1986	44	1204	40	2836	45	1606	45	1298	45
MEAN		2306		3422		1969		3943		3125		2519	
LSD(.05)		513		485		346		546		911		528	
C.V.		13.7		8.7		10.8		8.5		10.4		12.9	

* Not included in state or regional means.

Table 2. Concluded.

C.I. OR SEL. NO.	ENTRY NO.	FORT COLLINS COLORADO		AKRON COLORADO		JULESBURG COLORADO		BURLINGTON COLORADO		COLORADO STATE MEAN		ABERDEEN IDAHO		REGIONAL AVERAGE	
XH1529	37	6411	9	5224	1	4411	4	5574	2	5405	2	7919	34	5065	1
XH1520	36	7012	2	4841	3	4620	2	5765	1	5560	1	9556	19	4944	2
KS92P0263-137	25	6559	7	4499	16	4297	6	5009	9	5091	5	10447	7	4927	3
KS92P0425-155	27	5882	31	4431	21	4019	17	5568	3	4975	8	7068	40	4815	4
KS92P059E	24	6367	11	4387	22	4632	1	5044	6	5108	4	10246	9	4798	5
XH1455	34	6728	6	4261	32	4054	14	4608	24	4913	9	8278	30	4785	6
XH1485	35	6797	4	4441	19	4531	3	5025	8	5198	3	8864	22	4768	7
WI89-055	40	6541	8	4142	34	3485	32	4965	11	4783	18	10437	8	4767	8
OK88767-11	4	5716	38	4352	25	4335	5	5039	7	4861	11	10491	6	4737	9
TX89A7137	11	6126	19	4492	17	3542	28	4182	36	4585	28	11069	2	4709	10
T4731	42	4961	44	4533	14	3374	36	4452	30	4330	41	7828	36	4654	11
TX89A7141	17	6044	24	4816	4	3362	37	4303	33	4631	27	9671	17	4650	12
T70	43	5613	39	4767	7	3532	30	5201	4	4779	19	10568	5	4635	13
XH1610	38	5875	33	4184	33	4093	13	5058	5	4803	15	9072	20	4631	14
TAM-107	3	5972	28	4386	23	3636	26	4670	19	4666	22	10084	10	4601	15
TX88A6533	9	5912	30	4280	30	4119	12	4617	22	4732	20	9570	18	4574	16
K892P0363-134	26	6250	16	4027	40	3440	33	4891	14	4652	25	8527	26	4572	17
C0880210	20	6296	12	4779	6	4021	16	4555	28	4913	10	9845	14	4569	18
TX91V3308	16	6140	18	4298	28	3098	41	4684	16	4555	34	11211	1	4565	19
OK88767-24	7	5862	34	4449	18	3824	20	4135	39	4567	31	10027	11	4514	20
NE90524	32	6385	10	4275	31	3540	29	4607	25	4702	21	7761	37	4499	21
TX90V8410	13	6780	5	4339	26	4247	7	3856	44	4806	14	6944	41	4494	22
KS831374-142	22	6267	14	4764	8	4033	15	4939	13	5001	7	9966	13	4485	23
C0880169	19	6119	20	4812	5	3766	22	4599	26	4824	13	10841	3	4469	24
TX91V4931	12	7373	1	4437	20	4122	11	4141	38	5018	6	7646	38	4443	25
KS89H48-1	28	5876	32	4520	15	3815	21	4972	10	4796	17	7922	33	4430	26
T13	41	5246	42	4691	9	3701	24	4582	27	4555	35	9993	12	4400	27
OK88767-15	6	6008	26	3984	41	4219	8	4111	40	4580	29	9711	16	4379	28
C0880054	18	6279	13	4555	13	3262	38	4193	35	4572	30	10804	4	4372	29
TX90D9277	10	5917	29	3897	44	3936	18	4319	31	4517	36	8178	31	4368	30
TX90V7911	14	5989	27	4101	38	3394	34	4251	34	4434	38	8369	28	4331	31
NE90574	33	6104	21	4286	29	4200	10	4612	23	4800	16	7347	39	4314	32
T64	44	5512	40	4558	12	3832	19	4646	20	4637	26	8611	25	4297	33
TX88A6480	8	6035	25	4583	11	3526	31	4466	29	4652	24	7838	35	4291	34
NE90479	31	5123	43	4112	36	4217	9	4817	15	4567	32	6335	42	4283	35
N87V106	29	6099	23	3936	42	3163	40	3891	43	4272	43	8874	21	4268	36
C0880240	21	5758	37	4932	2	3740	23	4942	12	4843	12	8336	29	4234	37
OK88767-02	5	5794	35	4113	35	3680	25	4076	41	4416	39	8776	23	4232	38
W87-017-44	39	6206	17	4107	37	3050	42	4682	17	4511	37	9724	15	4222	39
KS84063-9-7	23	6260	15	4307	27	3375	35	4678	18	4655	23	8376	27	4204	40
NE88584	30	6998	3	4359	24	2095	44	4158	37	4403	40	8662	24	4132	41
TX91V5739	15	5264	41	4035	39	3562	27	4305	32	4291	42	8104	32	4073	42
TH905	45	5777	36	4600	10	3242	39	4627	21	4562	33	.	.	4065	43
Scout66	2	6100	22	3918	43	2914	43	3966	42	4225	44	5636	43	3686	44
Kharkof	1	4834	45	3321	45	1765	45	2903	45	3206	45	5057	44	2653	45
MEAN		6070		4381		3707		4593		4688		8877		4443	
LSD(.05)		1197		622		516		686		554		1916		350	
C.V.		12.1		8.7		8.6		9.2		10.5		10.7		11.8	

Table 3. Summary of mean yields (kg/ha) and ranks of 45 wheats grown in the 1993 Southern Regional Performance Nursery at 16 locations from which a CV of 15 or less and a significant F test for entries were obtained.

C.I. OR SEL. NO.	ENTRY NO.	PROSPER TEXAS		CHILLI-COTHE TEXAS		BUSHLAND (IRR.) TEXAS		CLOVIS (IRR.) NEW MEXICO		STILLWATER OKLAHOMA		GOODWELL OKLAHOMA		COLUMBIA MISSOURI		PIERRE S. DAKOTA	
XH1529	37	5100	1	5671	1	8393	1	5587	17	3653	4	6714	3	2647	14	6625	11
K892P0425-155	27	4817	4	5216	6	8081	3	5034	28	3985	1	5970	19	3327	3	6464	13
XH1520	36	4535	14	5035	10	7835	7	5646	16	3154	17	6471	5	2257	33	6418	15
XH1455	34	4672	8	5194	7	7505	12	6009	11	3321	15	6380	8	2752	7	6979	5
K892P0263-137	25	4829	3	5163	8	6772	26	5528	19	3924	2	6117	12	2706	11	7215	2
XH1485	35	4161	27	4618	28	7855	6	6435	5	2855	23	6603	4	2185	37	6634	9
K892P059E	24	4598	12	4927	13	7678	9	5178	26	3574	7	5914	22	2476	26	6423	14
OK88767-11	4	4699	7	4997	11	6389	35	5866	13	3328	14	7033	1	2618	18	7644	1
XH1610	38	4488	15	4748	19	7660	10	4832	30	3511	8	6467	6	2206	35	5954	24
WI89-055	40	4642	11	4811	17	7303	15	5431	23	3420	12	6456	7	2623	16	6056	20
NE90524	32	4553	13	5122	9	7216	19	5406	24	2283	37	6087	13	2713	10	5748	30
TX90V8410	13	4167	26	4721	21	8323	2	6241	8	2073	40	5947	20	2005	43	5603	35
T70	43	3791	36	4400	36	7176	21	6203	9	2699	26	5478	37	2522	25	7003	3
C0880210	20	4208	22	4474	33	7357	13	6524	4	2333	32	5881	24	2435	29	6497	12
K892P0363-134	26	4651	10	4817	16	6030	41	4790	32	3836	3	5849	27	3126	4	5067	40
TX89A7141	17	4255	20	4656	23	7346	14	7254	1	2468	31	5377	39	2677	12	5973	23
TX91V4931	12	4761	5	4797	18	7810	8	5870	12	2304	33	6138	11	2045	41	5984	22
TX89A7137	11	4158	28	4640	25	7243	17	6566	3	2287	36	6050	18	2758	6	6210	18
KS831374-142	22	4725	6	4826	15	6431	34	4279	38	2846	24	5719	32	2543	24	6668	8
KS89H48-1	28	4071	32	4492	32	7113	22	5288	25	2839	25	5754	31	2327	31	5734	32
TX88A6533	9	3551	40	3795	44	7960	5	6398	6	2566	28	5871	25	2260	32	6966	6
T4731	42	4127	31	4636	26	6620	30	4089	42	3635	5	5869	26	3747	1	5950	25
NE90479	31	3714	38	4548	31	7207	20	5435	22	3024	21	6082	14	2464	27	6012	21
OK88767-24	7	4663	9	4716	22	6434	33	5701	15	3081	20	6051	17	2591	21	6993	4
TAM-107	3	4131	30	4055	41	6747	27	6372	7	2295	34	5716	33	3669	2	6147	19
OK88767-15	6	4423	17	4651	24	6068	39	5549	18	3407	13	5915	21	2614	19	6726	7
TX90D9277	10	4900	2	4988	12	6026	42	4380	37	3120	19	5565	35	2662	13	5916	26
C0880169	19	4017	33	4432	34	7241	18	5786	14	2227	38	5760	29	2117	39	5662	33
NE90574	33	3764	37	4199	39	6864	24	5072	27	2593	27	5804	28	2740	8	5813	28
TX90V7911	14	3827	35	5239	5	8009	4	4423	35	3163	16	6180	10	2551	22	5819	27
TX91V3308	16	4342	18	5671	1	6638	29	4169	40	3463	11	5887	23	2731	9	6411	16
T64	44	3515	41	4268	38	7294	16	5486	21	2095	39	6077	15	2235	34	5525	36
TX88A6480	8	4172	23	4430	35	7658	11	5507	20	2518	29	6813	2	1989	44	5662	34
T13	41	3015	44	3818	43	6662	28	6710	2	1915	42	5343	40	2636	15	6384	17
TH905	45	4170	25	4553	30	6344	36	4389	36	3142	18	5757	30	2592	20	5437	37
C0880054	18	3959	34	4582	29	6021	43	6161	10	2518	30	5684	34	2343	30	5289	38
OK88767-02	5	4172	23	4620	27	5833	44	4241	39	3501	9	6240	9	2548	23	6627	10
C0880240	21	3275	43	4185	40	6478	32	4874	29	1946	41	5195	42	2447	28	5272	39
N87V106	29	4450	16	4723	20	6055	40	4802	31	2887	22	5242	41	3063	5	5765	29
KS84063-9-7	23	4317	19	5436	3	6149	38	4093	41	3599	6	5510	36	2168	38	4850	41
W87-017-44	39	4158	28	4833	14	6534	31	4785	33	3481	10	6074	16	2199	36	3979	43
NE88584	30	3484	42	4356	37	6855	25	3591	44	2292	35	5029	44	2621	17	3989	42
TX91V5739	15	4243	21	5349	4	7032	23	3604	43	1558	43	5404	38	2039	42	5737	31
Scout66	2	3605	39	3916	42	6185	37	4739	34	1406	44	5141	43	2105	40	3699	44
Kharkof	1	1955	45	3002	45	4252	45	2557	45	1203	45	3147	45	1298	45	2676	45
MEAN		4174		4674		6948		5264		2830		5861		2519		5916	
LSD(.05)		535		304		667		1105		547		678		528		878	
C.V.		7.9		4.0		5.9		12.9		11.9		7.1		12.9		9.1	

Table 3. Concluded.

C.I. OR SEL. NO.	ENTRY NO.	NORTH PLATTE NEBRASKA		HEMING-FORD NEBRASKA		FORT COLLINS COLORADO		AKRON COLORADO		JULESBURG COLORADO		BURLINGTON COLORADO		HUTCHINSON KANSAS		GARDEN CITY KANSAS		REGIONAL AVERAGE	
XH1529	37	4268	7	5138	2	6411	9	5224	1	4411	4	5574	2	3461	2	4655	2	5221	1
KS92P0425-155	27	4640	1	4797	17	5882	31	4431	21	4019	17	5568	3	3079	7	4980	1	5018	2
XH1520	36	4109	11	5481	1	7012	2	4841	3	4620	2	5765	1	2572	16	3854	27	4975	3
XH1455	34	4382	3	4770	19	6728	6	4261	32	4054	14	4608	24	2936	8	4498	4	4941	4
KS92P0263-137	25	3945	17	4759	20	6559	7	4499	16	4297	6	5009	9	3451	3	4225	14	4937	5
XH1485	35	4185	9	4885	11	6797	4	4441	19	4531	3	5025	8	2291	23	4377	9	4867	6
KS92P059E	24	4313	5	4945	8	6367	11	4387	22	4632	1	5044	6	2894	9	4402	8	4860	7
OK88767-11	4	3602	33	4403	29	5716	38	4352	25	4335	5	5039	7	2423	20	4037	19	4780	8
XH1610	38	4107	12	4831	15	5875	33	4184	33	4093	13	5058	5	2649	13	4258	12	4683	9
WI89-055	40	3999	16	3936	35	6541	8	4142	34	3485	32	4965	11	2560	17	4054	18	4651	10
NE90524	32	3782	23	4985	6	6385	10	4275	31	3540	29	4607	25	2471	18	4461	6	4602	11
TX90V8410	13	4351	4	4649	22	6780	5	4339	26	4247	7	3856	44	1951	33	4287	11	4596	12
T70	43	3472	36	5080	4	5613	39	4767	7	3532	30	5201	4	2053	28	4482	5	4592	13
C0880210	20	3246	38	5006	5	6296	12	4779	6	4021	16	4555	28	1432	43	4377	10	4589	14
KS92P0363-134	26	4044	13	4880	12	6250	16	4027	40	3440	33	4891	14	3598	1	3891	24	4574	15
TX89A7141	17	3941	18	4806	16	6044	24	4816	4	3362	37	4303	33	1838	36	3907	23	4564	16
TX91V4931	12	3708	28	3717	41	7373	1	4437	20	4122	11	4141	38	1987	30	3770	31	4560	17
TX89A7137	11	3815	21	4858	13	6126	19	4492	17	3542	28	4182	36	2070	27	3591	37	4537	18
KS831374-142	22	3894	19	4080	34	6267	14	4764	8	4033	15	4939	13	2655	12	3907	22	4536	19
KS89H48-1	28	4302	6	4524	23	5876	32	4520	15	3815	21	4972	10	2274	24	4428	7	4520	20
TX88A6533	9	4465	2	4495	26	5912	30	4280	30	4119	12	4617	22	1605	41	3373	41	4515	21
T4731	42	4223	8	4889	10	4961	44	4533	14	3374	36	4452	30	3097	5	3976	21	4511	22
NE90479	31	3784	22	4427	28	5123	43	4112	36	4217	9	4817	15	2811	10	4105	16	4493	23
OK88767-24	7	3753	24	4100	33	5862	34	4449	18	3824	20	4135	39	1766	38	3672	32	4487	24
TAM-107	3	3699	29	4508	24	5972	28	4386	23	3636	26	4670	19	1450	42	4256	13	4482	25
OK88767-15	6	3667	32	3726	40	6008	26	3984	41	4219	8	4111	40	2333	21	3645	34	4440	26
TX90D9277	10	3714	27	5102	3	5917	29	3897	44	3936	18	4319	31	2775	11	3660	33	4430	27
C0880169	19	3486	35	4950	7	6119	20	4812	5	3766	22	4599	26	1957	32	3885	25	4426	28
NE90574	33	4035	14	4855	14	6104	21	4286	29	4200	10	4612	23	2023	29	3847	28	4426	29
TX90V7911	14	3132	40	4250	32	5989	27	4101	38	3394	34	4251	34	2291	22	4130	15	4422	30
TX91V3308	16	3161	39	3717	42	6140	18	4298	28	3098	41	4684	16	2590	15	3615	35	4413	31
T64	44	4161	10	4479	27	5512	40	4558	12	3832	19	4646	20	1838	35	4590	3	4382	32
TX88A6480	8	3726	26	3820	36	6035	25	4583	11	3526	31	4466	29	1331	44	3460	40	4356	33
T13	41	4008	15	4793	18	5246	42	4691	9	3701	24	4582	27	1647	40	3858	26	4313	34
TH905	45	3688	30	4275	31	5777	36	4600	10	3242	39	4627	21	2447	19	3833	29	4305	35
C0880054	18	3730	25	4497	25	6279	13	4555	13	3262	38	4193	35	1761	39	3821	30	4291	36
OK88767-02	5	3060	41	3735	39	5794	35	4113	35	3680	25	4076	41	2649	13	3508	39	4275	37
C0880240	21	3862	20	4889	9	5758	37	4932	2	3740	23	4942	12	2250	25	4019	20	4254	38
N87V106	29	3387	37	3811	37	6099	23	3936	42	3163	40	3891	43	3097	6	3610	36	4249	39
KS84063-9-7	23	2804	43	3762	38	6260	15	4307	27	3375	35	4678	18	3145	4	3274	43	4233	40
W87-017-44	39	3683	31	3441	44	6206	17	4107	37	3050	42	4682	17	1969	31	3341	42	4158	41
NE88584	30	3562	34	4687	21	6998	3	4359	24	2095	44	4158	37	2214	26	3523	38	3988	42
TX91V5739	15	2755	44	3712	43	5264	41	4035	39	3562	27	4305	32	1922	34	3086	44	3975	43
Scout66	2	3020	42	4322	30	6100	22	3918	43	2914	43	3966	42	1796	37	4090	17	3808	44
Kharkof	1	2636	45	3176	45	4834	45	3321	45	1765	45	2903	45	376	45	2836	45	2621	45
MEAN		3762		4465		6070		4381		3707		4593		2306		3943		4463	
LSD(.05)		655		641		1197		622		516		686		513		546		346	
C.V.		10.7		8.8		12.1		8.7		8.6		9.2		13.7		8.5		9.6	

Table 4. Summary of mean yields (kg/ha) and ranks of 45 wheats grown in the Southern Regional Performance Nursery for 5 intra-regional production zones (after Peterson, 1992).

C.I. OR SEL. NO.	ENTRY NO.	SOUTH-CENTRAL PLAINS		NORTH-CENTRAL PLAINS		NORTHERN HIGH PLAINS		INTER-MOUNTAIN WEST		SOUTHERN HIGH PLAINS		REGIONAL AVERAGE	
Number of Trials		6		3		4		4		3		21	
XH1529	37	5499	1	4631	4	4869	1	6543	18	3726	10	5065	1
XH1520	36	4934	5	4650	2	4834	2	7100	5	3429	23	4944	2
KS92P0263-137	25	5043	3	4685	1	4438	6	6980	8	3595	13	4927	3
KS92P0425-155	27	5191	2	4601	6	4665	3	5783	38	3679	12	4815	4
KS92P059E	24	4931	6	4285	16	4594	4	6840	12	3366	25	4798	5
XH1455	34	5001	4	4624	5	4326	13	6312	24	3768	9	4785	8
XH1485	35	4730	13	4493	8	4546	5	6593	16	3840	7	4768	7
WI89-055	40	4865	8	4179	19	4148	22	7183	3	3477	18	4767	8
OK88767-11	4	4811	9	4643	3	4332	12	6590	17	3459	22	4737	9
TX89A7137	11	4408	29	4141	21	4008	32	7537	1	3695	11	4709	10
T4731	42	4664	15	4510	7	4146	23	5793	37	4033	2	4654	11
TX89A7141	17	4323	31	3909	34	4106	24	7145	4	4101	1	4650	12
T70	43	4266	34	4101	22	4243	17	6973	9	4017	3	4635	13
XH1610	38	4920	7	4304	13	4361	11	6340	22	3271	28	4631	14
TAM-107	3	4066	40	3804	37	4097	27	7199	2	3985	5	4601	15
TX88A6533	9	4225	36	4067	23	4371	9	7095	6	3460	20	4574	16
KS92P0363-134	26	4797	10	4255	18	4101	26	6322	23	3217	31	4572	17
CO880210	20	4281	32	3865	35	4150	21	6911	10	4000	4	4569	18
TX91V3308	16	4765	12	4467	9	3810	37	6882	11	2793	42	4565	19
OK88767-24	7	4452	26	4276	17	4040	30	6658	15	3290	27	4514	20
NE90524	32	4622	17	4051	25	4051	29	6288	25	3508	15	4499	21
TX90V8410	13	4530	21	3636	40	4198	19	6447	20	3899	6	4494	22
KS831374-142	22	4534	20	4161	20	4408	7	6376	21	2940	37	4485	23
CO880169	19	4272	33	4052	24	4166	20	6726	14	3459	21	4469	24
TX91V4931	12	4633	16	3961	31	4102	25	6110	27	3575	14	4443	25
KS89H48-1	28	4424	27	3990	28	4402	8	6040	30	3472	19	4430	26
T13	41	3733	43	3993	27	4245	16	6770	13	3775	8	4400	27
OK88767-15	6	4466	25	4290	15	3995	33	6018	31	3208	33	4379	28
CO880054	18	4087	39	3583	41	3935	35	6986	7	3508	16	4372	29
TX90D9277	10	4562	19	4365	10	3967	34	6060	29	2826	41	4368	30
TX90V7911	14	4785	11	3969	30	3719	40	5925	34	3070	35	4331	31
NE90574	33	4208	37	4300	14	4283	15	5734	40	3211	32	4314	32
T64	44	4181	38	3973	29	4299	14	5823	36	3503	17	4297	33
TX88A6480	8	4487	24	3831	36	4075	28	5922	35	3238	29	4291	34
NE90479	31	4564	18	3995	26	4232	18	5254	42	3389	24	4283	35
N87V106	29	4409	28	4331	12	3594	42	5942	33	2992	36	4268	36
CO880240	21	3888	42	3944	32	4369	10	6089	28	3159	34	4234	37
OK88767-02	5	4502	23	4355	11	3732	39	5770	39	2744	43	4232	38
W87-017-44	39	4508	22	3439	43	3881	36	6195	26	2929	38	4222	39
KS84063-9-7	23	4693	14	3672	39	3791	38	5979	32	2622	44	4204	40
NE88584	30	4038	41	3680	38	3544	43	6522	19	2873	40	4132	41
TX91V5739	15	4251	35	3517	42	3664	41	5503	41	3345	26	4073	42
TH905	45	4402	30	3937	33	4039	31	5223	43	2889	39	4065	43
Scout66	2	3675	44	3146	44	3454	44	5077	44	3231	30	3686	44
Kharkof	1	2322	45	2572	45	2656	45	4055	45	1975	45	2653	45
MEAN		4466		4072		4111		6302		3368		4443	
LSD(.05)		517		N.S.		472		1063		926		350	
C.V.		7.6		13.1		9.3		13.8		14.5		11.8	

Table 5. Summary of mean yields (kg/ha) and ranks for 10 wheats grown in the Southern Regional Performance Nursery at 21 sites in 1992 and 1993 with state means and ranks.

VARIETY OR PEDIGREE	C.I. OR SEL. NO.	ENTRY NO.	HUTCHINSON KANSAS		HAYS* KANSAS		COLBY* KANSAS		GARDEN CITY KANSAS		KANSAS STATE MEAN	
TAM-107	TAM-107	3	1131	9	3764	4	2236	2	3271	2	2201	6
TX71A869/TAM-101	TX88A6533	9	1476	5	3868	2	1924	5	2784	8	2130	7
TAM-107/TAM-105	T13	41	1219	8	3818	3	2302	1	3016	5	2117	9
Siouxland/TAM-101	TX88A6480	8	1340	7	3599	5	1991	4	2905	7	2122	8
Dular/Eagle//2*Cheney/Larned/3/Colt	KS89H48-1	28	2237	3	4046	1	2214	3	3448	1	2843	2
Karl sib	KS831374-142	22	2840	2	3534	6	1681	7	3216	3	3028	1
Complex Pedigree	N87V106	29	2954	1	3043	8	1398	10	2656	9	2805	3
Centura/Dawn//Colt sib	NE88584	30	2170	4	2784	9	1574	9	2984	6	2577	4
Scout 66	Scout66	2	1461	6	3166	7	1826	6	3115	4	2288	5
Kharkof	Kharkof	1	592	10	2294	10	1594	8	2084	10	1338	10
	MEAN		1742		3392		1874		2948		2345	
	LSD(.05)		686		N.S.		N.S.		591		N.S.	
	C.V.		15.0		6.2		12.1		10.0		11.9	

* Not included in state or regional means.

Table 5. Continued.

C.I. OR SEL. NO.	ENTRY NO.	NORTH PLATTE NEBRASKA		HEMING-FORD NEBRASKA		NEBRASKA STATE MEAN		FORT COLLINS COLORADO		AKRON* COLORADO		JULESBURG COLORADO		BURLINGTON COLORADO		COLORADO STATE MEAN	
TAM-107	3	4114	6	3900	3	4007	2	8707	2	3437	2	2893	4	3505	2	5035	1
TX88A6533	9	4527	2	3741	5	4134	1	8479	3	3261	4	3229	1	3245	4	4984	2
T13	41	3871	7	4081	2	3976	4	8255	4	3817	1	2987	3	3684	1	4975	3
TX88A6480	8	4130	5	3275	9	3702	8	9230	1	3380	3	2809	6	2875	8	4971	4
KS89H48-1	28	4476	4	3399	6	3937	6	7810	5	3162	6	2999	2	3446	3	4752	5
KS831374-142	22	4480	3	3223	10	3851	7	7415	7	3186	5	2877	5	3084	6	4459	6
N87V106	29	4635	1	3340	8	3987	3	7281	8	2567	9	2333	8	2605	9	4073	8
NE88584	30	3766	8	4180	1	3973	5	7630	6	2708	8	2188	9	3236	5	4351	7
Scout66	2	3134	9	3817	4	3475	9	6535	9	2715	7	2568	7	2972	7	4025	9
Kharkof	1	2638	10	3368	7	3003	10	5103	10	2489	10	1975	10	1961	10	3013	10
MEAN		3977		3632		3805		7645		3072		2686		3061		4464	
LSD(.05)		N.S.		N.S.		N.S.		N.S.		N.S.		N.S.		N.S.		N.S.	
C.V.		11.6		9.7		10.8		15.5		10.8		12.2		7.8		16.2	

* Not included in state or regional means.

Table 5. Continued.

C.I. OR SEL. NO.	ENTRY NO.	PROSPER TEXAS		CHILLI-COTHE TEXAS		BUSHLAND (IRR.) TEXAS		TEXAS STATE MEAN		CLOVIS (IRR.) NEW MEXICO		CLOVIS (DRYL.) NEW MEXICO		FARMINGTON NEW MEXICO		NEW MEXICO STATE MEAN	
TAM-107	3	3742	3	3711	7	6003	7	4486	5	6802	2	3006	2	6218	2	5342	2
TX88A6533	9	3264	7	3192	9	6733	1	4396	7	7326	1	2315	6	6420	1	5353	1
T13	41	2884	9	3228	8	5832	8	3981	9	6601	3	2669	4	6196	3	5156	3
TX88A6480	8	3951	2	3987	5	6570	3	4836	3	5077	6	2679	3	4793	5	4183	4
KS89H48-1	28	3655	4	4491	2	6669	2	4938	2	5774	4	2221	7	4553	7	4182	5
KS831374-142	22	4431	1	4431	3	6222	4	5028	1	4427	7	1676	9	4280	8	3461	9
N87V106	29	3440	5	4607	1	6021	5	4689	4	5447	5	1859	8	4143	9	3816	8
NE88584	30	3277	6	4000	4	6019	6	4432	6	3675	10	2323	5	5991	4	3996	6
Scout66	2	3059	8	3714	6	5226	9	4000	8	4235	8	3016	1	4735	6	3995	7
Kharkof	1	1651	10	2297	10	3680	10	2542	10	3984	9	1620	10	3380	10	2995	10
MEAN		3335		3766		5897		4333		5335		2338		5071		4248	
LSD(.05)		801		715		1215		653		1922		N.S.		N.S.		N.S.	
C.V.		18.1		6.9		7.5		10.6		17.9		22.3		14.9		17.7	

Table 5. Concluded.

C.I. OR SEL. NO.	ENTRY NO.	STILLWATER OKLAHOMA		LAHOMA* OKLAHOMA		GOODWELL OKLAHOMA		OKLAHOMA STATE MEAN		COLUMBIA MISSOURI		ABERDEEN IDAHO		REGIONAL AVERAGE	
TAM-107	3	1743	7	1970	6	5811	5	3777	6	3595	1	9711	1	4580	1
TX88A6533	9	2078	6	2219	3	6424	2	4251	4	3185	5	9134	3	4562	2
T13	41	1524	8	1955	7	5714	6	3619	8	3206	4	9553	2	4383	3
TX88A6480	8	2192	5	2098	5	6842	1	4517	1	2704	8	8882	4	4367	5
KS89H48-1	28	2529	3	2776	2	6319	3	4424	2	3291	3	6930	8	4367	4
KS831374-142	22	2549	1	2838	1	6251	4	4400	3	3115	6	7381	7	4229	6
N87V106	29	2547	2	2143	4	5556	7	4052	5	3396	2	7667	5	4146	7
NE88584	30	2269	4	1650	8	5094	8	3681	7	3092	7	7520	6	4083	8
Scout66	2	1508	9	951	9	5085	9	3296	9	2629	9	5627	9	3673	9
Kharkof	1	1118	10	727	10	3291	10	2204	10	2026	10	5109	10	2699	10
MEAN		2006		1933		5639		3822		3024		7839		4114	
LSD(.05)		663		1044		754		1201		N.S.		N.S.		373	
C.V.		11.3		17.2		8.6		9.9		10.5		17.9		14.7	

* Not included in state or regional means.

Table 6. Mean yield, regression coefficient, correlation coefficient, and coefficient of determination from linear regression analysis of variety mean yield on nursery mean yield for the 45 entries in the 1993 Southern Regional Performance Nursery grown at 21 locations.

C.I. OR SEL. NO.	ENTRY NO.	21 SITE REGIONAL AVERAGE KG/HA	REGRESSION COEFFICIENT (b)	CORRELATION COEFFICIENT (r)	COEFFICIENT OF DETERMINATION (r^2)
XH1529	37	5065	0.95	0.96	0.93
XH1520	36	4944	1.10	0.99	0.98
KS92PO263-137	25	4927	1.04	0.97	0.95
KS92PO425-155	27	4815	0.79	0.93	0.87
KS92PO59E	24	4798	1.08	0.98	0.96
XH1455	34	4785	0.96	0.98	0.96
XH1485	35	4768	1.08	0.98	0.97
WI89-055	40	4767	1.14	0.97	0.95
OK88767-11	4	4737	1.14	0.97	0.93
TX89A7137	11	4709	1.25	0.97	0.94
T4731	42	4654	0.68	0.94	0.89
TX89A7141	17	4650	1.15	0.95	0.91
T70	43	4635	1.16	0.97	0.94
XH1610	38	4631	1.00	0.98	0.97
TAM-107	3	4601	1.14	0.94	0.89
TX88A6533	9	4574	1.24	0.96	0.91
KS92PO363-134	26	4572	0.78	0.95	0.91
CO880210	20	4569	1.18	0.98	0.96
TX91V3308	16	4565	1.13	0.95	0.90
OK88767-24	7	4514	1.13	0.98	0.96
NE90524	32	4499	0.96	0.98	0.96
TX90V8410	13	4494	1.01	0.92	0.84
KS831374-142	22	4485	1.04	0.97	0.94
CO880169	19	4469	1.17	0.98	0.95
TX91V4931	12	4443	1.02	0.96	0.91
KS89H48-1	28	4430	0.94	0.99	0.97
T13	41	4400	1.14	0.95	0.91
OK88767-15	6	4379	1.01	0.96	0.92
CO880054	18	4372	1.17	0.97	0.94
TX90D9277	10	4368	0.84	0.96	0.93
TX90V7911	14	4331	0.99	0.97	0.94
NE90574	33	4314	0.84	0.96	0.92
T64	44	4297	1.01	0.97	0.94
TX88A6480	8	4291	1.07	0.97	0.93
NE90479	31	4283	0.79	0.94	0.88
N87V106	29	4268	0.88	0.96	0.93
CO880240	21	4234	0.91	0.97	0.94
OK88767-02	5	4232	0.94	0.96	0.91
W87-017-44	39	4222	1.01	0.95	0.91
KS84063-9-7	23	4204	0.89	0.95	0.90
NE88584	30	4132	0.90	0.92	0.84
TX91V5739	15	4073	1.03	0.95	0.91
TH905	45	4065	0.90	0.98	0.97
Scout66	2	3686	0.73	0.90	0.81
Kharkof	1	2653	0.61	0.88	0.77

Table 7. Mean yield, regression coefficient, correlation coefficient, and coefficient of determination from linear regression analysis of variety mean yield on nursery mean yield for the 10 entries in the 1992 and 1993 Southern Regional Performance Nursery grown at 16 locations.

C.I. OR SEL. NO.	ENTRY NO.	16 SITE REGIONAL AVERAGE KG/HA	REGRESSION COEFFICIENT (b)	CORRELATION COEFFICIENT (r)	COEFFICIENT OF DETERMINATION (r^2)
TAM-107	3	4580	1.24	0.97	0.94
TX88A6533	9	4562	1.27	0.97	0.95
T13	41	4383	1.22	0.97	0.94
TX88A6480	8	4367	1.22	0.96	0.92
KS89H48-1	28	4367	0.96	0.96	0.93
KS831374-142	22	4229	0.90	0.91	0.83
N87V106	29	4146	0.91	0.94	0.89
NE88584	30	4083	0.86	0.93	0.86
Scout66	2	3673	0.72	0.91	0.82
Kharkof	1	2699	0.64	0.90	0.80