Table 2. Summary of mean yields (kg/ha) of 45 wheats grown in the Southern Regional Performance Nursery at 27 locations with state means and ranks.

VARIETY OR PEDIGREE	C.I. OR SEL. NO.	ENTRY NO.	PROSPER TEXAS		CHILLI-COTHE TEXAS		BUSHLAND (IRR.) TEXAS		BUSHLAND (DRYL.) TEXAS		TEXAS STATE MEAN	
Quantum Hybrid Wheat	XH1497	37	4403	1	3986	19	6328	4	3275	10	4498	2
TX71A889/2172//2157	HBC302E	25	3609	23	4418	8	6032	8	3235	13	4324	9
Quantum Hybrid Wheat	XH1436	35	4122	7	4082	15	5671	17	2708	37	4146	19
Quantum Hybrid Wheat	XH1437	36	4057	8	3988	18	5530	21	2928	29	4126	20
OK83197/Sxl	OK89421	7	3939	13	3369	34	5438	27	3497	1	4061	22
TX71A889/TAM-101	TX88A6533	17	2977	36	2589	44	5506	24	3318	8	3597	35
Hawk/(Pkg16/Lov13//Jgw13)//TAM-108	KS84170E-8-3	24	3741	19	3874	21	6528	2	3448	3	4398	4
Dular/Eagle//2*Cheney/Larned/3/Colt	KS89H48-1	27	3239	31	4490	5	6225	6	3212	14	4292	11
Cty sib/4/Aiv/3/Tcs//TI sib/Sdy	OK89499	5	4178	4	4764	4	4999	36	2800	34	4185	16
TAM-108/Lancota	T21-3	43	3058	35	3582	28	5849	14	3044	21	3883	28
TAM-107/TAM-105	T13	41	2753	38	2638	42	5001	35	3345	6	3434	40
Siouxland/TAM-101	TX88A6480	16	3730	20	3544	29	5483	26	3210	15	3992	25
TAM-107	TAM-107	3	3354	29	3367	35	5259	30	3428	4	3852	29
Karl Resel.	TX88V5433	15	3717	21	3607	27	5784	15	2890	32	3999	24
TAM-105/3/NE70654/BBY/Bow's'	TX87V1613	12	3981	10	4371	9	5580	18	3185	16	4279	12
Colt/Victory	W87-018	38	3475	26	4456	7	6575	1	2800	35	4326	8
WI81-133/Arkan	WI88-181	39	3889	15	4898	3	5532	20	3017	23	4334	7
Bulk Selection	KSSB-369-7	22	3571	24	4932	2	6436	3	3371	5	4577	1
NE78696/Payne	TX88V4524	13	3748	18	4170	12	6075	7	3470	2	4366	5
2165/Cty sib	OK89399	6	3885	16	4060	16	4907	40	2892	31	3936	26
Bennett/TAM-107	NE88427	31	2596	39	3042	37	5138	32	3152	19	3482	39
Complex Pedigree	N87V106	29	2430	41	4490	5	5987	12	3329	7	4059	23
TAM-200//TX38949-2/TAM-107	TX89V4138	14	4046	9	5270	1	5064	33	3286	9	4417	3
Complex Pedigree	KS87H325-2	26	3750	17	4154	13	6023	9	3259	11	4297	10
Dular/Eagle//2*Cheney/Larned/3/Colt	KS89H50-4	28	3445	28	4360	10	5521	23	3026	22	4088	21
Karl sib	KS831374-142	23	4136	5	4035	17	6012	11	3241	12	4356	6
Arkan/Colt//Chisholm sib	NE88595	30	3064	34	3396	32	4985	37	2643	39	3522	38
Csm*3/3/Newton/Largo//2*Csm	OK88W833	4	3970	12	3950	20	6261	5	2757	36	4235	14
Quantum Hybrid Wheat	XH1319	34	3981	10	3672	24	6023	9	3165	17	4210	15
2165/Vona	T67	42	3488	25	3697	22	5528	22	2457	41	3792	30
TX78V2154/Siouxland	TX88V4635	11	4270	2	4183	11	5748	16	2907	30	4277	13
Centura/Dawn//Colt sib	NE88584	32	3071	33	3645	26	5183	31	2661	38	3640	33
Vona/TX71D4889-V3	TX84V1418HF	9	3896	14	3374	33	4974	38	2881	33	3781	31
Arkan/Hawk	C0870449	21	3345	30	3022	38	4936	39	3015	25	3579	36
TX78V2154/Siouxland	TX88V4636	8	4208	3	3674	23	5577	19	3165	17	4156	17
HRW Hybrid	TH901	44	3692	22	3656	25	5319	29	3013	26	3920	27
Karl Resel.	TX88V5440	10	4125	6	4116	14	5331	28	3017	23	4147	18
Centura/Dawn//Colt sib	NE88588	33	2937	37	3428	31	5907	13	2446	42	3679	32
W84-179/W81-171	WI88-028	40	3118	32	2932	39	5492	25	2961	27	3626	34
TX73165/Sandy	C0860086	18	2425	42	2598	43	4634	41	3049	20	3176	42
HRW Hybrid	TH902	45	3461	27	3255	36	5006	34	2430	43	3538	37
NE76667/Hawk	C0860094	19	2136	43	2833	40	4129	43	2385	44	2871	43
Scout 66	SCOUT66	2	2513	40	3513	30	4268	42	2959	28	3313	41
Sandy/Hail	C0860235	20	1870	44	2670	41	3578	44	2629	40	2687	44
Kharkof	KHARKOF	1	1347	45	1592	45	3107	45	1704	45	1937	45
	MEAN		3439		3728		5433		2991		3898	
	LSD(.05)		776		536		811		650		612	
	C.V.		13.9		8.9		9.2		13.4		11.1	

Table 2. Continued.

C.I. OR SEL. NO.	ENTRY NO.	LINCOLN NEBRASKA		NORTH PLATTE NEBRASKA		HEMING-FORD NEBRASKA		NEBRASKA STATE MEAN		CLOVIS (IRR.) NEW MEXICO		CLOVIS (DRYL.) NEW MEXICO		FARMINGTON NEW MEXICO		NEW MEXICO STATE MEAN	
XH1497	37	4269	9	5015	10	3415	8	4233	4	7491	4	3371	19	5883	2	5582	2
HBC302E	25	2608	42	5884	1	3107	19	3866	14	9482	1	3765	12	4954	10	6067	1
XH1436	35	3933	18	4367	25	3028	22	3776	19	6968	8	3466	18	4882	11	5105	6
XH1437	36	3788	24	5154	7	3672	4	4205	6	6535	13	2615	37	5112	7	4754	12
OK89421	7	3812	22	4973	11	3316	11	4034	7	6712	12	2928	33	3907	26	4516	18
TX88A6533	17	3881	19	4588	17	2987	24	3819	16	8254	2	4019	9	4437	17	5570	3
KS84170E-8-3	24	4587	3	4540	18	2806	31	3978	8	4873	30	4860	2	3890	28	4541	17
KS89H48-1	27	4559	4	4651	15	2273	40	3828	15	6260	18	3741	13	3268	42	4423	19
OK89499	5	3676	26	4117	31	2833	27	3542	28	4330	39	4237	7	3905	27	4157	29
T21-3	43	4606	2	5284	4	2813	30	4234	3	4721	34	4276	6	4060	23	4352	22
T13	41	4102	14	3733	37	3369	9	3734	22	6493	14	4583	5	5346	5	5474	4
TX88A6480	16	3315	32	4534	19	2730	33	3526	30	4647	35	4613	4	3589	33	4283	24
TAM-107	3	3586	29	4530	21	3292	13	3803	17	7232	6	4684	3	4206	21	5374	5
TX88V5433	15	4217	12	4354	26	2456	37	3676	25	6953	9	3196	24	3675	31	4608	16
TX87V1613	12	2877	39	4330	27	3282	14	3496	31	7263	5	3168	26	4795	13	5075	7
W87-018	38	4022	17	4639	16	2953	25	3871	13	5039	25	3530	17	3428	37	3999	34
WI88-181	39	1954	43	4486	23	2224	42	2888	44	7898	3	3363	21	3572	34	4944	9
KSSB-369-7	22	1562	45	5278	5	2578	35	3139	41	6864	10	3278	23	4539	15	4894	11
TX88V4524	13	3210	35	4325	29	2377	38	3304	35	4901	29	3725	14	3376	38	4000	33
OK89399	6	3617	27	4329	28	3030	21	3659	26	6835	11	2432	40	3562	35	4276	25
NE88427	31	4174	13	4398	24	3344	10	3972	10	5481	21	4186	8	4252	20	4640	15
N87V106	29	4224	11	5882	2	2869	26	4325	1	6093	19	3154	29	3302	41	4183	27
TX89V4138	14	2995	37	4120	30	3842	1	3652	27	3270	44	3166	27	5043	8	3826	37
KS87H325-2	26	4028	15	3795	35	2027	44	3283	37	6402	17	3570	16	4960	9	4977	8
KS89H50-4	28	4869	1	3739	36	2750	32	3786	18	5126	24	2551	38	3103	43	3593	41
KS831374-142	23	4318	7	5067	9	2365	39	3917	12	4576	36	2718	35	3369	39	3554	42
NE88595	30	4482	5	4768	14	3520	7	4257	2	3668	43	3799	11	3774	29	3747	39
OK88W833	4	3609	28	4873	13	2819	29	3767	21	2969	45	2350	43	4409	18	3243	45
XH1319	34	2998	36	3817	34	2693	34	3169	39	6405	16	3659	15	3997	25	4687	14
T67	42	4025	16	5435	3	3234	15	4231	5	4859	31	3115	31	4107	22	4027	31
TX88V4635	11	3499	31	3959	33	3156	18	3538	29	4729	33	1545	45	4301	19	3525	44
NE88584	32	4288	8	3969	32	3674	3	3977	9	3758	41	3140	30	6241	1	4380	21
TX84V1418HF	9	3850	20	5222	6	2826	28	3966	11	4740	32	2860	34	4799	12	4133	30
CO870449	21	2883	38	3561	38	3021	23	3155	40	4519	38	3163	28	5554	4	4412	20
TX88V4636	8	2779	40	4505	22	3184	17	3489	32	4906	28	2386	42	3325	40	3539	43
TH901	44	3831	21	4972	12	2516	36	3773	20	5223	23	3369	20	3000	45	3864	36
TX88V5440	10	4248	10	3475	39	2196	43	3306	34	5672	20	2425	41	3064	44	3720	40
NE88588	33	3583	30	4534	20	3031	20	3716	23	5017	26	3816	10	3681	30	4171	28
WI88-028	40	1909	44	2561	43	1819	45	2097	45	7060	7	3175	25	4450	16	4895	10
CO860086	18	3239	34	3408	40	3227	16	3291	36	4130	40	3099	32	4776	14	4002	32
TH902	45	3679	25	5117	8	2271	41	3689	24	6409	15	2534	39	4058	24	4334	23
CO860094	19	4351	6	2251	44	3585	5	3396	33	4914	27	2193	44	5689	3	4265	26
SCOUT66	2	3277	33	3248	41	3311	12	3279	38	3731	42	5167	1	5219	6	4706	13
CO860235	20	3791	23	1679	45	3740	2	3070	42	4566	37	3338	22	3519	36	3808	38
KHARKOF	1	2732	41	2640	42	3560	6	2977	43	5411	22	2707	36	3610	32	3909	35
MEAN		3641		4314		2958		3638		5631		3356		4222		4403	
LSD(.05)		995		1126		556		N.S.		1667		1315		1076		N.S.	
C.V.		16.8		16.1		11.6		15.6		18.2		24.1		18.2		19.6	

Table 2. Continued.

C.I. OR SEL. NO.	ENTRY NO.	FORT COLLINS COLORADO		AKRON* COLORADO		JULESBURG COLORADO		WALSH COLORADO		BURLINGTON COLORADO		COLORADO STATE MEAN		ABERDEEN IDAHO		LIND WASHINGTON	
XH1497	37	10282	16	2121	9	2144	18	1690	4	2520	2	4159	6	8746	10	1552	3
HBC302E	25	11263	5	1813	13	1608	38	1332	24	1727	24	3983	12	7687	24	1231	22
XH1436	35	10323	15	1678	19	2230	11	1296	28	1239	40	3772	20	8642	12	1653	1
XH1437	36	10860	8	1299	36	2090	20	1366	22	2318	4	4159	7	7878	21	1348	13
OK89421	7	10461	11	1876	12	2053	22	1686	6	2191	9	4098	8	8571	13	1421	9
TX88A6533	17	11047	7	2242	7	2338	5	1794	2	1873	16	4263	5	8699	11	1461	6
KS84170E-8-3	24	10226	18	2114	10	2253	9	1186	39	1829	19	3874	15	6234	35	1435	8
KS89H48-1	27	9744	23	1804	14	2183	15	1535	12	1920	13	3846	17	5938	39	1144	30
OK89499	5	10666	10	1521	27	2185	13	1212	36	2274	7	4084	9	8561	14	1237	21
T21-3	43	10838	9	1959	11	1832	27	1405	20	1720	25	3949	13	7677	25	655	45
T13	41	11263	5	2943	2	2272	8	1795	1	2786	1	4529	2	9112	7	1442	7
TX88A6480	16	12425	1	2177	8	2091	19	1292	30	1285	38	4273	4	9926	4	1169	29
TAM-107	3	11443	3	2489	5	2151	17	1561	11	2341	3	4374	3	9338	6	1176	27
TX88V5433	15	9307	32	1195	40	1823	28	1195	38	1827	20	3538	30	7381	27	1109	31
TX87V1613	12	10338	14	1265	37	1675	33	1454	15	1950	12	3854	16	9025	8	875	41
W87-018	38	10278	17	1700	18	2017	24	1109	42	1543	30	3737	22	6510	31	1509	4
WI88-181	39	10427	12	1647	21	1344	43	969	44	1516	31	3564	29	8433	15	1187	26
KSSB-369-7	22	11431	4	1607	23	1625	35	1410	19	1693	26	4040	10	6863	28	793	43
TX88V4524	13	11928	2	1236	38	2560	3	1634	7	2228	8	4587	1	6032	38	1075	34
OK89399	6	10427	12	1589	24	2243	10	1196	37	2280	6	4037	11	7700	23	1271	19
NE88427	31	10046	21	1478	29	2274	7	1506	13	1759	23	3896	14	8104	19	1197	25
N87V106	29	8463	38	1198	39	1504	41	1098	43	1319	36	3096	44	6459	33	1413	10
TX89V4138	14	9486	30	2972	1	1490	42	1246	34	978	45	3300	40	10407	2	1217	24
KS87H325-2	26	8407	39	1542	26	1837	26	1366	23	1897	15	3377	33	6187	36	1093	33
KS89H50-4	28	7922	43	1428	32	2070	21	1380	21	1904	14	3319	38	6712	30	1491	5
KS831374-142	23	8564	36	1608	22	1720	31	1293	29	1228	42	3202	41	4795	44	1227	23
NE88595	30	8878	35	1192	41	2517	4	1687	5	2057	10	3785	19	8265	17	976	38
OK88W833	4	10054	20	1457	30	2012	25	1298	27	1856	17	3805	18	7730	22	769	44
XH1319	34	9707	25	1799	15	2169	16	1185	40	1764	22	3706	24	6833	29	1403	11
T67	42	10114	19	1348	34	1519	40	1430	16	1351	34	3603	28	6493	32	1173	28
TX88V4635	11	9401	31	1585	25	1315	44	1129	41	1462	33	3327	36	10168	3	1261	20
NE88584	32	8262	41	1057	43	2280	6	1619	9	2315	5	3619	26	6379	34	1358	12
TX84V1418HF	9	9613	27	1389	33	1264	45	1254	33	1101	43	3308	39	7421	26	898	39
C0870449	21	9531	29	1178	42	1621	37	1737	3	1573	29	3616	27	8114	18	1562	2
TX88V4636	8	7971	42	1726	16	1575	39	1416	18	1796	21	3190	42	8776	9	980	37
TH901	44	9550	28	839	45	1661	34	1262	32	1493	32	3492	31	5925	40	1305	17
TX88V5440	10	9636	26	1455	31	1773	30	1213	35	1310	37	3483	32	6069	37	1006	35
NE88588	33	8501	37	1048	44	2026	23	1429	17	1331	35	3322	37	5030	43	1322	15
WI88-028	40	9307	32	2432	6	1622	36	848	45	1652	27	3357	35	8040	20	894	40
C0860086	18	9912	22	2589	4	1785	29	1610	10	1592	28	3725	23	10706	1	873	42
TH902	45	9718	24	1343	35	1717	32	1302	26	1831	18	3642	25	.	.	1284	18
C0860094	19	8938	34	2612	3	3243	1	1631	8	1230	41	3760	21	8389	16	1005	36
SCOUT66	2	6970	44	1511	28	2221	12	1474	14	1979	11	3161	43	5619	41	1328	14
C0860235	20	8266	40	1712	17	2619	2	1292	30	1279	39	3364	34	9422	5	1307	16
KHARKOF	1	5372	45	1658	20	2184	14	1304	25	1018	44	2470	45	5161	42	1100	32
MEAN		9724		1698		1972		1381		1736		3703		7640		1204	
LSD(.05)		1924		525		502		293		549		962		2283		359	
C.V.		12.2		19.0		15.7		13.1		19.5		17.3		14.8		18.4	

* Not used in state or regional means.

Table 2. Continued.

C.I. OR SEL. NO.	ENTRY NO.	HUTCHINSON KANSAS		HAYS KANSAS		MANHATTAN KANSAS		COLBY* KANSAS		GARDEN CITY KANSAS		KANSAS STATE MEAN		COLUMBIA MISSOURI	
XH1497	37	1423	30	3903	6	2397	20	2289	2	2618	1	2585	13	3549	16
HBC302E	25	1972	18	3528	19	2849	5	1175	40	1979	29	2582	14	3288	30
XH1436	35	2119	15	3602	17	2733	13	1576	26	2242	13	2674	10	3333	28
XH1437	36	1645	25	3858	9	2543	16	1825	16	2179	18	2556	15	3460	21
OK89421	7	1718	21	3777	11	2772	8	1865	13	2562	2	2707	8	3810	5
TX88A6533	17	1346	32	3688	13	1916	34	1502	30	2195	16	2286	28	4109	3
KS84170E-8-3	24	2685	4	3452	23	3601	1	1417	31	1872	36	2902	3	3441	22
KS89H48-1	27	2200	13	3934	5	2789	7	1879	12	2468	4	2848	5	4255	1
OK89499	5	2220	10	3354	28	2672	15	1410	32	2118	24	2591	12	4150	2
T21-3	43	2266	9	4174	2	2380	22	1363	36	1970	30	2697	9	3797	6
T13	41	790	42	3894	7	1686	39	2425	1	2174	20	2136	37	3775	7
TX88A6480	16	1349	31	3540	18	1880	35	1374	34	2349	8	2279	29	3420	24
TAM-107	3	812	40	3499	22	1649	41	2038	5	2287	10	2062	39	3520	19
TX88V5433	15	2611	6	3524	21	2854	4	1610	24	2260	12	2812	6	3267	32
TX87V1613	12	1516	27	3286	30	2488	18	1031	43	1876	35	2292	27	3418	25
W87-018	38	2206	12	3676	14	2343	23	1932	8	1766	40	2498	17	3523	18
WI88-181	39	2056	17	3389	26	2843	6	1814	17	1636	43	2481	18	3324	29
KSSB-369-7	22	1938	19	3060	37	2139	32	908	44	1966	31	2276	30	2427	45
TX88V4524	13	1773	20	2890	41	2283	26	1722	19	1890	34	2209	36	3124	35
OK89399	6	1670	23	3266	31	2154	31	1367	35	1961	32	2263	31	3538	17
NE88427	31	1485	28	3977	4	2158	30	2132	4	2269	11	2472	19	3509	20
N87V106	29	2811	2	4194	1	3061	3	1533	28	1701	42	2942	2	3729	8
TX89V4138	14	1443	29	3829	10	1782	38	1928	9	2300	9	2338	26	2784	40
KS87H325-2	26	2537	7	2582	45	2756	11	1338	37	2123	23	2499	16	3052	36
KS89H50-4	28	2658	5	3605	16	2772	9	1903	10	2374	6	2852	4	3668	10
KS831374-142	23	3024	1	3091	35	3356	2	1681	21	2524	3	2999	1	3687	9
NE88595	30	1253	33	3988	3	2174	29	1834	15	2369	7	2446	21	3651	11
OK88W833	4	2385	8	3098	34	2035	33	2230	3	2112	27	2407	23	3645	12
XH1319	34	1240	34	3894	7	1784	37	1583	25	2118	24	2259	32	3133	34
T67	42	2715	3	3387	27	2763	10	1246	38	2217	14	2771	7	3345	27
TX88V4635	11	1021	38	2892	40	2429	19	1511	29	2118	24	2115	38	2575	44
NE88584	32	2126	14	3528	19	2323	24	1733	18	2446	5	2606	11	3562	15
TX84V1418HF	9	2211	11	3120	33	2713	14	1114	41	1827	39	2468	20	2912	38
CO870449	21	1040	37	3239	32	2527	17	1408	33	2042	28	2212	35	3586	14
TX88V4636	8	915	39	3645	15	2189	28	1632	23	2192	17	2235	34	2654	43
TH901	44	1665	24	3425	24	2383	21	1883	11	2177	19	2413	22	2769	41
TX88V5440	10	2119	15	2842	43	2741	12	1657	22	1901	33	2401	24	3016	37
NE88588	33	1713	22	3398	25	2275	27	1861	14	2168	21	2388	25	3440	23
WI88-028	40	1104	36	3017	38	2288	25	890	45	1553	44	1991	40	3349	26
CO860086	18	373	45	3078	36	765	44	2011	6	2199	15	1604	44	3284	31
TH902	45	1569	26	3746	12	1809	36	1556	27	1849	37	2243	33	2786	39
CO860094	19	584	44	2959	39	1631	42	1222	39	1715	41	1722	43	3950	4
SCOUT66	2	1125	35	3302	29	924	43	1704	20	2141	22	1873	41	3152	33
CO860235	20	651	43	2874	42	1686	40	1047	42	1847	38	1765	42	3622	13
KHARKOF	1	809	41	2603	44	665	45	1984	7	1332	45	1352	45	2754	42
MEAN		1709		3436		2288		1625		2089		2380		3381	
LSD(.05)		440		475		778		388		375		596		409	
C.V.		15.9		8.5		20.9		14.7		11.1		14.0		7.4	

* Not used in state or regional means.

Table 2. Concluded.

C.I. OR SEL. NO.	ENTRY NO.	STILLWATER OKLAHOMA		ALTUS OKLAHOMA		LAHOMA OKLAHOMA		GOODWELL OKLAHOMA		OKLAHOMA STATE MEAN		REGIONAL AVERAGE	
XH1497	37	2139	20	1907	24	3086	11	6828	15	3490	11	4089	1
HBC302E	25	1734	32	2042	17	2623	20	7022	7	3355	19	3959	2
XH1436	35	2168	17	2022	18	3679	2	7313	1	3796	2	3913	3
XH1437	36	2226	12	2014	19	2776	17	7043	6	3515	10	3879	4
OK89421	7	2288	7	2070	16	2632	19	6301	32	3323	21	3848	5
TX88A6533	17	1589	37	2005	20	2564	23	6978	9	3284	24	3846	6
KS84170E-8-3	24	2532	3	2252	6	2747	18	6845	13	3594	8	3829	7
KS89H48-1	27	2218	13	2347	3	3475	4	6884	10	3731	3	3798	8
OK89499	5	2785	1	2121	11	2864	15	6624	20	3599	6	3795	9
T21-3	43	2217	14	1764	30	3512	3	7072	3	3641	4	3783	10
T13	41	1133	42	1539	40	2356	33	6085	35	2778	39	3739	11
TX88A6480	16	1867	29	1929	23	2454	28	6872	12	3280	25	3730	12
TAM-107	3	1191	41	1534	41	1886	38	5905	38	2629	42	3729	13
TX88V5433	15	2279	8	2132	10	4215	1	6574	22	3800	1	3728	14
TX87V1613	12	2193	16	1906	25	1514	43	6436	26	3012	35	3711	15
W87-018	38	2534	2	2318	4	2417	29	6807	16	3519	9	3659	16
WI88-181	39	1987	25	1931	22	2367	32	7062	4	3337	20	3652	17
KSSB-369-7	22	1666	34	2075	14	2386	31	7302	2	3357	18	3647	18
TX88V4524	13	1657	35	1890	26	3252	7	7052	5	3463	14	3626	19
OK89399	6	2530	4	1832	29	2496	27	6407	28	3316	22	3621	20
NE88427	31	1576	38	1730	32	3105	10	6017	37	3107	32	3619	21
N87V106	29	2208	15	2375	1	1749	41	5870	39	3050	34	3589	22
TX89V4138	14	2260	9	1852	27	1783	40	6733	19	3157	28	3588	23
KS87H325-2	26	1845	30	2236	7	3303	5	6465	25	3462	15	3586	24
KS89H50-4	28	2426	5	2318	4	3135	9	6506	23	3596	7	3577	25
KS831374-142	23	2252	10	2348	2	3027	12	6783	17	3603	5	3550	26
NE88595	30	1684	33	1843	28	2877	14	6422	27	3206	27	3550	27
OK88W833	4	2358	6	2157	9	2576	22	6350	30	3361	17	3536	28
XH1319	34	1946	26	1593	37	2408	30	6583	21	3132	29	3527	29
T67	42	2061	21	1750	31	2517	26	5209	42	2884	37	3520	30
TX88V4635	11	2057	22	2168	8	3159	8	6477	24	3465	13	3517	31
NE88584	32	2245	11	1978	21	1514	42	5159	43	2724	40	3469	32
TX84V1418HF	9	1996	24	1673	34	2557	24	6185	33	3103	33	3447	33
CO870449	21	1517	40	1548	38	2531	25	6884	11	3120	30	3443	34
TX88V4636	8	1795	31	2077	13	2920	13	6751	18	3386	16	3414	35
TH901	44	2147	19	1694	33	2313	34	6829	14	3245	26	3408	36
TX88V5440	10	2157	18	2091	12	3262	6	6373	29	3471	12	3407	37
NE88588	33	1888	28	1606	36	2105	35	6173	34	2943	36	3311	38
WI88-028	40	2021	23	2072	15	2801	16	6309	31	3301	23	3294	39
CO860086	18	1553	39	1645	35	2593	21	5701	40	2873	38	3290	40
TH902	45	1910	27	1544	39	2035	37	6978	8	3117	31	3262	41
CO860094	19	1090	43	1472	42	2043	36	6040	36	2661	41	3215	42
SCOUT66	2	1610	36	1066	43	967	45	5028	44	2168	44	3045	43
CO860235	20	943	45	664	44	1804	39	5670	41	2271	43	3013	44
KHARKOF	1	1033	44	618	45	1139	44	3435	45	1556	45	2357	45
MEAN		1945		1861		2567		6408		3195		3558	
LSD(.05)		322		280		556		827		566		372	
C.V.		10.2		9.2		13.3		7.9		10.4		15.7	

Table 3. Summary of mean yields (kg/ha) and ranks of 45 wheats grown in the 1992 Southern Regional Performance Nursery at 14 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		BUSHLAND (DRYL.) TEXAS		STILLWATER OKLAHOMA		ALTUS OKLAHOMA		LAHOMA OKLAHOMA		GOODWELL OKLAHOMA	
XH1497	37	4403	1	3986	19	6328	4	3275	10	2139	20	1907	24	3086	11	6828	15
KS89H48-1	27	3239	31	4490	5	6225	6	3212	14	2218	13	2347	3	3475	4	6884	10
XH1437	36	4057	8	3988	18	5530	21	2928	29	2226	12	2014	19	2776	17	7043	6
XH1436	35	4122	7	4082	15	5671	17	2708	37	2168	17	2022	18	3679	2	7313	1
OK89499	5	4178	4	4764	4	4999	36	2800	34	2785	1	2121	11	2864	15	6624	20
H8C302E	25	3609	23	4418	8	6032	8	3235	13	1734	32	2042	17	2623	20	7022	7
TX88V4524	13	3748	18	4170	12	6075	7	3470	2	1657	35	1890	26	3252	7	7052	5
OK89421	7	3939	13	3369	34	5438	27	3497	1	2288	7	2070	16	2632	19	6301	32
T21-3	43	3058	35	3582	28	5849	14	3044	21	2217	14	1764	30	3512	3	7072	3
KS84170E-8-3	24	3741	19	3874	21	6528	2	3448	3	2532	3	2252	6	2747	18	6845	13
TX88A6480	16	3730	20	3544	29	5483	26	3210	15	1867	29	1929	23	2454	28	6872	12
W87-018	38	3475	26	4456	7	6575	1	2800	35	2534	2	2318	4	2417	29	6807	16
KSSB-369-7	22	3571	24	4932	2	6436	3	3371	5	1666	34	2075	14	2386	31	7302	2
TX89V4138	14	4046	9	5270	1	5064	33	3286	9	2260	9	1852	27	1783	40	6733	19
OK88W833	4	3970	12	3950	20	6261	5	2757	36	2358	6	2157	9	2576	22	6350	30
KS831374-142	23	4136	5	4035	17	6012	11	3241	12	2252	10	2348	2	3027	12	6783	17
TX88A6533	17	2977	36	2589	44	5506	24	3318	8	1589	37	2005	20	2564	23	6978	9
TX88V5433	15	3717	21	3607	27	5784	15	2890	32	2279	8	2132	10	4215	1	6574	22
TX87V1613	12	3981	10	4371	9	5580	18	3185	16	2193	16	1906	25	1514	43	6436	26
WI88-181	39	3889	15	4898	3	5532	20	3017	23	1987	25	1931	22	2367	32	7062	4
OK89399	6	3885	16	4060	16	4907	40	2892	31	2530	4	1832	29	2496	27	6407	28
KS89H50-4	28	3445	28	4360	10	5521	23	3026	22	2426	5	2318	4	3135	9	6506	23
TX88V4635	11	4270	2	4183	11	5748	16	2907	30	2057	22	2168	8	3159	8	6477	24
XH1319	34	3981	10	3672	24	6023	9	3165	17	1946	26	1593	37	2408	30	6583	21
TAM-107	3	3354	29	3367	35	5259	30	3428	4	1191	41	1534	41	1886	38	5905	38
TX88V5440	10	4125	6	4116	14	5331	28	3017	23	2157	18	2091	12	3262	6	6373	29
TX88V4636	8	4208	3	3674	23	5577	19	3165	17	1795	31	2077	13	2920	13	6751	18
T13	41	2753	38	2638	42	5001	35	3345	6	1133	42	1539	40	2356	33	6085	35
NE88595	30	3064	34	3396	32	4985	37	2643	39	1684	33	1843	28	2877	14	6422	27
NE88427	31	2596	39	3042	37	5138	32	3152	19	1576	38	1730	32	3105	10	6017	37
KS87H325-2	26	3750	17	4154	13	6023	9	3259	11	1845	30	2236	7	3303	5	6465	25
N87V106	29	2430	41	4490	5	5987	12	3329	7	2208	15	2375	1	1749	41	5870	39
T67	42	3488	25	3697	22	5528	22	2457	41	2061	21	1750	31	2517	26	5209	42
TH901	44	3692	22	3656	25	5319	29	3013	26	2147	19	1694	33	2313	34	6829	14
C0870449	21	3345	30	3022	38	4936	39	3015	25	1517	40	1548	38	2531	25	6884	11
TX84V1418HF	9	3896	14	3374	33	4974	38	2881	33	1996	24	1673	34	2557	24	6185	33
NE88584	32	3071	33	3645	26	5183	31	2661	38	2245	11	1978	21	1514	42	5159	43
NE88588	33	2937	37	3428	31	5907	13	2446	42	1888	28	1606	36	2105	35	6173	34
TH902	45	3461	27	3255	36	5006	34	2430	43	1910	27	1544	39	2035	37	6978	8
WI88-028	40	3118	32	2932	39	5492	25	2961	27	2021	23	2072	15	2801	16	6309	31
C0860086	18	2425	42	2598	43	4634	41	3049	20	1553	39	1645	35	2593	21	5701	40
C0860094	19	2136	43	2833	40	4129	43	2385	44	1090	43	1472	42	2043	36	6040	36
SCOUT66	2	2513	40	3513	30	4268	42	2959	28	1610	36	1066	43	967	45	5028	44
C0860235	20	1870	44	2670	41	3578	44	2629	40	943	45	664	44	1804	39	5670	41
KHARKOF	1	1347	45	1592	45	3107	45	1704	45	1033	44	618	45	1139	44	3435	45
MEAN		3439		3728		5433		2991		1945		1861		2567		6408	
LSD(.05)		776		536		811		650		322		280		556		827	
C.V.		13.9		8.9		9.2		13.4		10.2		9.2		13.3		7.9	

Table 3. Concluded.

C.I. OR SEL. NO.	ENTRY NO.	FORT COLLINS COLORADO		WALSH COLORADO		HAYS KANSAS		GARDEN CITY KANSAS		HEMING-FORD NEBRASKA		COLUMBIA MISSOURI		REGIONAL AVERAGE	
XH1497	37	10282	16	1690	4	3903	6	2618	1	3415	8	3549	16	4101	1
KS89H48-1	27	9744	23	1535	12	3934	5	2468	4	2273	40	4255	1	4022	2
XH1437	36	10860	8	1366	22	3858	9	2179	18	3672	4	3460	21	3997	3
XH1436	35	10323	15	1296	28	3602	17	2242	13	3028	22	3333	28	3971	4
OK89499	5	10666	10	1212	36	3354	28	2118	24	2833	27	4150	2	3962	5
HBC302E	25	11263	5	1332	24	3528	19	1979	29	3107	19	3288	30	3944	6
TX88V4524	13	11928	2	1634	7	2890	41	1890	34	2377	38	3124	35	3940	7
OK89421	7	10461	11	1686	6	3777	11	2562	2	3316	11	3810	5	3939	8
T21-3	43	10838	9	1405	20	4174	2	1970	30	2813	30	3797	6	3935	9
KS84170E-8-3	24	10226	18	1186	39	3452	23	1872	36	2806	31	3441	22	3925	10
TX88A6480	16	12425	1	1292	30	3540	18	2349	8	2730	33	3420	24	3917	11
W87-018	38	10278	17	1109	42	3676	14	1766	40	2953	25	3523	18	3906	12
KSSB-369-7	22	11431	4	1410	19	3060	37	1966	31	2578	35	2427	45	3901	13
TX89V4138	14	9486	30	1246	34	3829	10	2300	9	3842	1	2784	40	3841	14
OK88W833	4	10054	20	1298	27	3098	34	2112	27	2819	29	3645	12	3815	15
KS831374-142	23	8564	36	1293	29	3091	35	2524	3	2365	39	3687	9	3811	16
TX88A6533	17	11047	7	1794	2	3688	13	2195	16	2987	24	4109	3	3810	17
TX88V5433	15	9307	32	1195	38	3524	21	2260	12	2456	37	3267	32	3800	18
TX87V1613	12	10338	14	1454	15	3286	30	1876	35	3282	14	3418	25	3773	19
WI88-181	39	10427	12	969	44	3389	26	1636	43	2224	42	3324	29	3761	20
OK89399	6	10427	12	1196	37	3266	31	1961	32	3030	21	3538	17	3745	22
KS89H50-4	28	7922	43	1380	21	3605	16	2374	6	2750	32	3668	10	3745	21
TX88V4635	11	9401	31	1129	41	2892	40	2118	24	3156	18	2575	44	3731	23
XH1319	34	9707	25	1185	40	3894	7	2118	24	2693	34	3133	34	3721	24
TAM-107	3	11443	3	1561	11	3499	22	2287	10	3292	13	3520	19	3680	25
TX88V5440	10	9636	26	1213	35	2842	43	1901	33	2196	43	3016	37	3662	26
TX88V4636	8	7971	42	1416	18	3645	15	2192	17	3184	17	2654	43	3659	27
T13	41	11263	5	1795	1	3894	7	2174	20	3369	9	3775	7	3652	28
NE88595	30	8878	35	1687	5	3988	3	2369	7	3520	7	3651	11	3643	29
NE88427	31	10046	21	1506	13	3977	4	2269	11	3344	10	3509	20	3643	30
KS87H325-2	26	8407	39	1366	23	2582	45	2123	23	2027	44	3052	36	3614	31
N87V106	29	8463	38	1098	43	4194	1	1701	42	2869	26	3729	8	3607	32
T67	42	10114	19	1430	16	3387	27	2217	14	3234	15	3345	27	3602	33
TH901	44	9550	28	1262	32	3425	24	2177	19	2516	36	2769	41	3597	34
CO870449	21	9531	29	1737	3	3239	32	2042	28	3021	23	3586	14	3568	35
TX84V1418HF	9	9613	27	1254	33	3120	33	1827	39	2826	28	2912	38	3506	36
NE88584	32	8262	41	1619	9	3528	19	2446	5	3674	3	3562	15	3468	37
NE88588	33	8501	37	1429	17	3398	25	2168	21	3031	20	3440	23	3461	38
TH902	45	9718	24	1302	26	3746	12	1849	37	2271	41	2786	39	3449	39
WI88-028	40	9307	32	848	45	3017	38	1553	44	1819	45	3349	26	3400	40
CO860086	18	9912	22	1610	10	3078	36	2199	15	3227	16	3284	31	3393	41
CO860094	19	8938	34	1631	8	2959	39	1715	41	3585	5	3950	4	3208	42
SCOUT66	2	6970	44	1474	14	3302	29	2141	22	3311	12	3152	33	3020	43
CO860235	20	8266	40	1292	30	2874	42	1847	38	3740	2	3622	13	2962	44
KHARKOF	1	5372	45	1304	25	2603	44	1332	45	3560	6	2754	42	2207	45
MEAN		9724		1381		3436		2089		2958		3381		3667	
LSD(.05)		1924		293		475		375		556		409		405	
C.V.		12.2		13.1		8.5		11.1		11.6		7.4		12.5	

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	
No. of locations		9		2		3		5		5		25	
XH1497	37	3778	7	3333	12	3227	1	5975	3	3689	4	4089	1
HBC302E	25	3664	15	2728	32	3073	4	5649	12	3959	1	3959	2
XH1436	35	3864	2	3333	11	2612	30	5705	9	3336	12	3913	3
XH1437	36	3682	12	3165	20	3187	2	5774	7	3124	18	3879	4
OK89421	7	3504	23	3292	15	3072	5	5535	14	3477	6	3848	5
TX88A6533	17	3249	33	2898	25	2933	10	5726	8	3916	2	3846	6
KS84170E-8-3	24	3851	4	4094	1	2874	16	4918	31	3248	16	3829	7
KS89H48-1	27	3890	1	3674	4	2918	12	4474	38	3443	7	3798	8
OK89499	5	3768	9	3174	18	2859	18	5440	16	2939	27	3795	9
T21-3	43	3721	10	3493	8	2945	9	5208	20	3083	22	3783	10
T13	41	2910	40	2894	26	2930	11	6106	1	3678	5	3739	11
TX88A6480	16	3419	27	2597	36	2637	27	5968	4	3222	17	3730	12
TAM-107	3	2979	39	2618	35	3007	7	5891	6	3838	3	3729	13
TX88V5433	15	3827	6	3536	6	2668	25	4786	34	3299	15	3728	14
TX87V1613	12	3420	26	2682	34	2652	26	5663	10	3389	8	3711	15
W87-018	38	3829	5	3183	17	2733	22	4935	29	2849	32	3659	16
WI88-181	39	3679	13	2398	38	2449	36	5169	23	3377	10	3652	17
KSSB-369-7	22	3707	11	1851	44	2865	17	5241	19	3378	9	3647	18
TX88V4524	13	3612	17	2746	29	3037	6	4958	28	3124	19	3626	19
OK89399	6	3450	25	2886	27	2951	8	5198	21	3063	24	3621	20
NE88427	31	3185	36	3166	19	2810	20	5389	17	3319	13	3619	21
N87V106	29	3568	20	3643	5	2901	14	4501	36	3075	23	3589	22
TX89V4138	14	3587	19	2388	40	2196	41	5999	2	2654	41	3588	23
KS87H325-2	26	3655	16	3392	10	2509	34	4535	35	3344	11	3586	24
KS89H50-4	28	3775	8	3821	3	2571	32	4395	40	2891	30	3577	25
KS831374-142	23	3857	3	3837	2	2672	24	4064	44	2870	31	3550	26
NE88595	30	3279	31	3328	13	3114	3	5083	26	2833	34	3550	27
OK88W833	4	3678	14	2822	28	2914	13	5156	24	2297	45	3536	28
XH1319	34	3482	24	2391	39	2583	31	4926	30	3307	14	3527	29
T67	42	3372	29	3394	9	2768	21	5024	27	2815	36	3520	30
TX88V4635	11	3553	21	2964	23	2245	39	5657	11	2486	44	3517	31
NE88584	32	3161	37	3305	14	2855	19	5183	22	2725	39	3469	32
TX84V1418HF	9	3332	30	3282	16	2529	33	5112	25	2712	40	3447	33
CO870449	21	3118	38	2705	33	2252	38	5556	13	2895	29	3443	34
TX88V4636	8	3507	22	2484	37	2625	29	4847	33	2813	37	3414	35
TH901	44	3416	28	3107	21	2709	23	4459	39	3009	25	3408	36
TX88V5440	10	3602	18	3494	7	2186	42	4394	41	2846	33	3407	37
NE88588	33	3239	34	2929	24	2631	28	4313	43	2975	26	3311	38
WI88-028	40	3207	35	2099	42	1945	44	4902	32	3120	20	3294	39
CO860086	18	2733	41	2002	43	2262	37	5899	5	2817	35	3290	40
TH902	45	3278	32	2744	30	2888	15	4333	42	2905	28	3262	41
CO860094	19	2587	43	2991	22	2241	40	5521	15	2568	42	3215	42
SCOUT66	2	2599	42	2101	41	2483	35	4489	37	3094	21	3045	43
CO860235	20	2303	44	2739	31	1859	45	5251	18	2735	38	3013	44
KHARKOF	1	1742	45	1699	45	1947	43	3761	45	2491	43	2357	45
MEAN		3392		2964		2674		5135		3089		3358	
LSD(.05)		419		1155		N.S.		1084		N.S.		372	
C.V.		10.7		18.5		17.9		16.0		20.2		15.7	

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	
No. of locations		9		2		3		5		5		25	
XH1497	37	3778	7	3333	12	3227	1	5975	3	3689	4	4089	1
HBC302E	25	3664	15	2728	32	3073	4	5649	12	3959	1	3959	2
XH1436	35	3864	2	3333	11	2612	30	5705	9	3336	12	3913	3
XH1437	36	3682	12	3165	20	3187	2	5774	7	3124	18	3879	4
OK89421	7	3504	23	3292	15	3072	5	5535	14	3477	6	3848	5
TX88A6533	17	3249	33	2898	25	2933	10	5726	8	3916	2	3846	6
KS84170E-8-3	24	3851	4	4094	1	2874	16	4918	31	3248	16	3829	7
KS89H48-1	27	3890	1	3674	4	2918	12	4474	38	3443	7	3798	8
OK89499	5	3768	9	3174	18	2859	18	5440	16	2939	27	3795	9
T21-3	43	3721	10	3493	8	2945	9	5208	20	3083	22	3783	10
T13	41	2910	40	2894	26	2930	11	6106	1	3678	5	3739	11
TX88A6480	16	3419	27	2597	36	2637	27	5968	4	3222	17	3730	12
TAM-107	3	2979	39	2618	35	3007	7	5891	6	3838	3	3729	13
TX88V5433	15	3827	6	3536	6	2668	25	4786	34	3299	15	3728	14
TX87V1613	12	3420	26	2682	34	2652	26	5663	10	3389	8	3711	15
W87-018	38	3829	5	3183	17	2733	22	4935	29	2849	32	3659	16
WI88-181	39	3679	13	2398	38	2449	36	5169	23	3377	10	3652	17
KSSB-369-7	22	3707	11	1851	44	2865	17	5241	19	3378	9	3647	18
TX88V4524	13	3612	17	2746	29	3037	6	4958	28	3124	19	3626	19
OK89399	6	3450	25	2886	27	2951	8	5198	21	3063	24	3621	20
NE88427	31	3185	36	3166	19	2810	20	5389	17	3319	13	3619	21
N87V106	29	3568	20	3643	5	2901	14	4501	36	3075	23	3589	22
TX89V4138	14	3587	19	2388	40	2196	41	5999	2	2654	41	3588	23
KS87H325-2	26	3655	16	3392	10	2509	34	4535	35	3344	11	3586	24
KS89H50-4	28	3775	8	3821	3	2571	32	4395	40	2891	30	3577	25
KS831374-142	23	3857	3	3837	2	2672	24	4064	44	2870	31	3550	26
NE88595	30	3279	31	3328	13	3114	3	5083	26	2833	34	3550	27
OK88W833	4	3678	14	2822	28	2914	13	5156	24	2297	45	3536	28
XH1319	34	3482	24	2391	39	2583	31	4926	30	3307	14	3527	29
T67	42	3372	29	3394	9	2768	21	5024	27	2815	36	3520	30
TX88V4635	11	3553	21	2964	23	2245	39	5657	11	2486	44	3517	31
NE88584	32	3161	37	3305	14	2855	19	5183	22	2725	39	3469	32
TX84V1418HF	9	3332	30	3282	16	2529	33	5112	25	2712	40	3447	33
C0870449	21	3118	38	2705	33	2252	38	5556	13	2895	29	3443	34
TX88V4636	8	3507	22	2484	37	2625	29	4847	33	2813	37	3414	35
TH901	44	3416	28	3107	21	2709	23	4459	39	3009	25	3408	36
TX88V5440	10	3602	18	3494	7	2186	42	4394	41	2846	33	3407	37
NE88588	33	3239	34	2929	24	2631	28	4313	43	2975	26	3311	38
WI88-028	40	3207	35	2099	42	1945	44	4902	32	3120	20	3294	39
C0860086	18	2733	41	2002	43	2262	37	5899	5	2817	35	3290	40
TH902	45	3278	32	2744	30	2888	15	4333	42	2905	28	3262	41
C0860094	19	2587	43	2991	22	2241	40	5521	15	2568	42	3215	42
SCOUT66	2	2599	42	2101	41	2483	35	4489	37	3094	21	3045	43
C0860235	20	2303	44	2739	31	1859	45	5251	18	2735	38	3013	44
KHARKOF	1	1742	45	1699	45	1947	43	3761	45	2491	43	2357	45
MEAN		3392		2964		2674		5135		3089		3358	
LSD(.05)		419		1155		N.S.		1084		N.S.		372	
C.V.		10.7		18.5		17.9		16.0		20.2		15.7	

Table 5. Summary of mean yields (kg/ha) and ranks for 21 wheats grown in the Southern Regional Performance Nursery at 23 sites in 1991 and 1992 with state means and ranks.

VARIETY OR PEDIGREE	C.I. OR SEL. NO.	ENTRY NO.	PROSPER TEXAS		CHILLI-COTHE TEXAS		BUSHLAND (IRR.) TEXAS		BUSHLAND (DRYL.) TEXAS		TEXAS STATE MEAN	
Bulk Selection	KSSB-369-7	22	3392	11	4319	2	6621	2	3083	4	4354	1
TAM-108/Lancota	T21-3	43	3053	14	3375	12	6213	5	2902	7	3886	9
TAM-107	TAM-107	3	3005	15	3190	16	5971	12	3204	1	3843	11
TAM-200//TX38949-2/TAM-107	TX89V4138	14	3512	7	4352	1	6364	4	3151	2	4345	2
Karl Resel.	TX88V5433	15	3739	3	3231	15	5983	10	2604	15	3889	8
TAM-105/3/NE70654/BBY/Bow's'	TX87V1613	12	3542	6	3766	3	6084	8	2510	18	3975	6
NE78696/Payne	TX88V4524	13	3868	1	3569	5	6172	6	3125	3	4184	3
TX78V2154/Siouxland	TX88V4635	11	3593	5	3691	4	6662	1	2765	9	4178	4
Csm*3/3/Newton/Largo//2*Csm	OK88W833	4	3601	4	3345	13	6125	7	2614	14	3921	7
Arkan/Colt//Chisholm sib	NE88595	30	2672	16	3383	11	5959	13	2634	13	3662	14
HRW Hybrid	TH901	44	3408	10	3412	8	5410	18	2706	12	3734	12
Karl Resel.	TX88V5440	10	3814	2	3399	9	5499	17	2740	11	3863	10
Bennett/TAM-107	NE88427	31	2211	18	2941	20	5983	11	3025	5	3540	17
TX78V2154/Siouxland	TX88V4636	8	3412	9	3431	7	6490	3	2748	10	4020	5
Vona/TX71D4889-V3	TX84V1418HF	9	3446	8	3085	17	5659	15	2522	16	3678	13
2165/Vona	T67	42	3135	13	3391	10	5332	19	2313	19	3543	16
TX73165/Sandy	C0860086	18	1800	19	3022	19	6012	9	2986	6	3455	18
NE76667/Hawk	C0860094	19	1664	20	3085	17	5841	14	2513	17	3276	20
HRW Hybrid	TH902	45	3205	12	3448	6	5585	16	2176	20	3603	15
Scout 66	SCOUT66	2	2303	17	3322	14	4789	20	2798	8	3303	19
Kharkof	KHARKOF	1	1197	21	1960	21	3697	21	1543	21	2099	21
	MEAN		3027		3367		5831		2698		3731	
	LSD(.05)		670		N.S.		N.S.		484		654	
	C.V.		12.6		8.2		7.5		14.4		10.1	

Table 5. Continued.

C.I. OR SEL. NO.	ENTRY NO.	LINCOLN NEBRASKA		NORTH PLATTE NEBRASKA		NEBRASKA STATE MEAN		STILLWATER OKLAHOMA		LAHOMA OKLAHOMA		GOODWELL OKLAHOMA		OKLAHOMA STATE MEAN		COLUMBIA MISSOURI	
KSSB-369-7	22	2144	18	3101	3	2622	13	2422	7	2910	5	6833	1	4055	2	2601	11
T21-3	43	2876	12	3192	1	3034	5	2926	1	2989	2	6644	2	4186	1	2735	10
TAM-107	3	3293	2	2821	9	3057	4	1732	18	2421	14	5846	17	3333	16	3261	1
TX89V4138	14	2407	15	2448	13	2427	14	2554	4	2590	8	6126	8	3756	8	2571	14
TX88V5433	15	3380	1	2999	6	3189	1	2509	6	3263	1	6126	7	3966	3	3110	2
TX87V1613	12	2569	14	2259	16	2414	15	2379	10	2124	18	5873	15	3459	13	2973	5
TX88V4524	13	3096	7	2426	14	2761	11	2306	11	2832	7	6360	4	3833	4	2312	19
TX88V4635	11	2396	16	2143	18	2270	17	2205	13	2954	3	6265	5	3808	6	2428	17
OK88W833	4	3063	9	2603	11	2833	10	2403	9	2526	11	6009	12	3646	11	3093	3
NE88595	30	3226	3	3045	5	3136	2	1917	16	2532	10	6243	6	3564	12	2746	8
TH901	44	3088	8	2973	7	3030	6	2806	2	2461	13	5858	16	3708	9	2742	9
TX88V5440	10	3185	4	2217	17	2701	12	2421	8	2929	4	6061	10	3804	7	2933	6
NE88427	31	3101	5	2690	10	2896	9	1733	17	2507	12	6003	13	3414	14	2522	15
TX88V4636	8	2087	19	2525	12	2306	16	2147	14	2859	6	6469	3	3825	5	2450	16
TX84V1418HF	9	2981	10	2829	8	2905	8	2237	12	2252	16	5579	18	3356	15	2594	12
T67	42	3100	6	3094	4	3097	3	2553	5	2542	9	4232	20	3109	19	3010	4
C0860086	18	2201	17	1968	19	2085	19	1731	19	2149	17	5924	14	3268	17	2348	18
C0860094	19	2951	11	1169	21	2060	20	1612	20	1800	19	6043	11	3152	18	2294	20
TH902	45	2844	13	3136	2	2990	7	2559	3	2416	15	6070	9	3681	10	2850	7
SCOUT66	2	1964	20	2270	15	2117	18	1959	15	1577	20	4641	19	2726	20	2584	13
KHARKOF	1	1821	21	1487	20	1654	21	1278	21	1180	21	3129	21	1862	21	1809	21
MEAN		2751		2543		2647		2209		2467		5825		3501		2665	
LSD(.05)		N.S.		N.S.		N.S.		636		N.S.		946		654		N.S.	
C.V.		18.0		22.3		20.1		13.0		10.9		7.2		9.5		12.6	

Table 5. Continued.

C.I. OR SEL. NO.	ENTRY NO.	CLOVIS (IRR.) NEW MEXICO		CLOVIS (DRYL.) NEW MEXICO		FARMINGTON NEW MEXICO		NEW MEXICO STATE MEAN		FORT COLLINS COLORADO		AKRON* COLORADO		JULESBURG COLORADO		WALSH COLORADO		COLORADO STATE MEAN	
KSSB-369-7	22	6238	2	1745	7	5114	5	4366	2	9070	2	3336	7	2579	10	2551	9	4733	3
T21-3	43	5425	6	2208	3	4559	14	4064	4	9302	1	3644	4	2852	4	2344	13	4832	2
TAM-107	3	6507	1	2398	2	5417	1	4774	1	8900	3	3715	3	2441	12	2729	2	4690	5
TX89V4138	14	3983	20	1676	10	5337	3	3665	10	8180	8	3904	1	2082	19	2710	4	4324	11
TX88V5433	15	5543	4	1625	11	4579	13	3916	6	6821	19	2903	16	2587	9	2223	15	3877	18
TX87V1613	12	6015	3	1679	9	5191	4	4295	3	8159	9	2816	18	2334	14	2567	8	4353	10
TX88V4524	13	4739	10	1932	6	3968	19	3546	15	8615	4	2986	13	2887	2	2580	7	4694	4
TX88V4635	11	4828	8	859	21	4335	16	3341	19	8329	7	3334	8	2331	15	2645	6	4435	8
OK88W833	4	4084	18	1225	19	5071	6	3460	18	7433	17	2753	19	1996	20	2163	18	3864	19
NE88595	30	4023	19	1976	5	4768	10	3589	11	7609	16	2989	12	2823	5	2768	1	4400	9
TH901	44	4896	7	1730	8	4015	18	3547	14	7838	11	2674	20	2781	6	2236	14	4285	12
TX88V5440	10	5513	5	1253	18	4362	15	3709	9	6981	18	3081	11	2612	7	2160	19	3918	17
NE88427	31	4728	11	2184	4	5037	7	3983	5	8135	10	3111	9	2884	3	2465	12	4495	7
TX88V4636	8	4576	14	1279	17	3796	21	3217	21	7623	15	3499	6	2205	18	2478	11	4102	14
TX84V1418HF	9	4463	16	1455	14	4687	12	3535	16	7683	14	2881	17	2292	17	2102	20	4026	16
T67	42	4479	15	1603	12	4312	17	3464	17	7797	12	2916	15	2454	11	2191	16	4148	13
CO860086	18	4222	17	1588	13	5394	2	3735	7	8454	6	3641	5	2317	16	2717	3	4496	6
CO860094	19	4600	12	1166	20	4971	8	3579	13	8562	5	3721	2	3398	1	2661	5	4874	1
TH902	45	4750	9	1305	16	4698	11	3585	12	7689	13	2974	14	2400	13	2170	17	4086	15
SCOUT66	2	3662	21	2651	1	4824	9	3712	8	6401	20	3096	10	2600	8	2504	10	3835	20
KHARKOF	1	4582	13	1394	15	3887	20	3288	20	4844	21	2113	21	1838	21	1982	21	2888	21
MEAN		4848		1663		4682		3731		7830		3147		2509		2426		4255	
LSD(.05)		N.S.		N.S.		N.S.		N.S.		N.S.		N.S.		N.S.		N.S.		N.S.	
C.V.		22.0		37.4		18.2		22.6		13.3		11.4		16.0		11.1		15.6	

* Not included in state or regional means.

Table 5. Concluded.

C.I. OR SEL. NO.	ENTRY NO.	HUTCHINSON KANSAS		HAYS KANSAS		MANHATTAN KANSAS		COLBY* KANSAS		GARDEN CITY KANSAS		KANSAS STATE MEAN		ABERDEEN IDAHO		REGIONAL AVERAGE	
KSSB-369-7	22	2942	3	2832	14	2920	4	2753	17	2878	16	2893	3	8393	12	4033	1
T21-3	43	1918	12	3378	3	2688	9	2923	11	3217	6	2800	6	8907	11	3986	2
TAM-107	3	1395	16	3299	5	2284	15	3037	9	2956	12	2483	16	9650	6	3939	3
TX89V4138	14	2157	10	3310	4	2554	12	3245	1	3201	7	2806	5	10982	2	3916	4
TX88V5433	15	3084	2	2952	10	2864	6	3089	5	2946	13	2961	2	8019	13	3818	5
TX87V1613	12	2223	9	2572	19	2728	8	2411	19	2893	14	2604	13	9650	5	3814	6
TX88V4524	13	2371	7	2548	20	2586	10	2870	13	2820	18	2581	14	7833	14	3759	7
TX88V4635	11	1686	13	2614	17	2243	17	3058	8	3332	2	2469	17	10550	3	3755	8
OK88W833	4	2428	6	2933	11	2778	7	2922	12	2864	17	2751	9	10162	4	3739	9
NE88595	30	1259	18	3495	1	2275	16	3147	2	3555	1	2646	12	9390	9	3728	10
TH901	44	2315	8	2968	9	2950	3	3077	7	3106	9	2835	4	7237	18	3664	11
TX88V5440	10	2844	4	2573	18	3019	2	3080	6	2640	20	2769	7	7752	15	3662	12
NE88427	31	1602	14	3412	2	2306	13	3110	4	3314	3	2658	11	7664	16	3640	13
TX88V4636	8	1312	17	3152	7	2285	14	3125	3	3297	4	2512	15	9625	7	3631	14
TX84V1418HF	9	2775	5	2718	16	2888	5	2306	20	2661	19	2760	8	8922	10	3611	15
T67	42	3221	1	3012	8	3122	1	2615	18	3026	11	3095	1	7493	17	3591	16
CO860086	18	390	21	2854	13	1112	20	2851	14	3252	5	1902	20	11261	1	3510	17
CO860094	19	726	19	2802	15	1431	18	2770	16	3147	8	2027	19	9591	8	3430	18
TH902	45	2101	11	3294	6	2580	11	2819	15	2888	15	2716	10	.	.	3408	19
SCOUT66	2	1552	15	2933	11	1195	19	3016	10	3065	10	2186	18	6548	19	3150	20
KHARKOF	1	590	20	2248	21	679	21	2234	21	2312	21	1458	21	5850	20	2348	21
MEAN		1947		2948		2357		2879		3018		2567		8774		3637	
LSD(.05)		1032		512		894		N.S.		577		692		1865		311	
C.V.		14.8		8.3		18.7		7.1		8.6		12.4		12.5		15.6	

* 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 1992 Southern Regional Performance Nursery grown at 25 locations.

C.I. OR SEL. NO.	ENTRY NO.	25 SITE REGIONAL AVERAGE KG/HA	REGRESSION COEFFICIENT (b)	CORRELATION COEFFICIENT (r)	COEFFICIENT OF DETERMINATION (r^2)
XH1497	37	4089	1.11	0.98	0.97
HBC302E	25	3959	1.21	0.95	0.91
XH1436	35	3913	1.10	0.99	0.97
XH1437	36	3879	1.10	0.99	0.98
OK89421	7	3848	1.05	0.99	0.97
TX88A6533	17	3846	1.18	0.97	0.94
KS84170E-8-3	24	3829	0.93	0.95	0.91
KS89H48-1	27	3798	0.92	0.96	0.91
OK89499	5	3795	1.02	0.97	0.94
T21-3	43	3783	1.07	0.97	0.95
T13	41	3739	1.15	0.96	0.92
TX88A6480	16	3730	1.26	0.97	0.95
TAM-107	3	3729	1.21	0.97	0.95
TX88V5433	15	3728	0.96	0.97	0.94
TX87V1613	12	3711	1.15	0.98	0.96
W87-018	38	3659	0.99	0.97	0.94
WI88-181	39	3652	1.16	0.96	0.93
KSSB-369-7	22	3647	1.17	0.96	0.92
TX88V4524	13	3626	1.06	0.95	0.91
OK89399	6	3621	1.04	0.98	0.96
NE88427	31	3619	1.01	0.98	0.97
N87V106	29	3589	0.87	0.93	0.87
TX89V4138	14	3588	1.08	0.93	0.86
KS87H325-2	26	3586	0.87	0.95	0.91
KS89H50-4	28	3577	0.78	0.96	0.91
KS831374-142	23	3550	0.77	0.91	0.82
NE88595	30	3550	0.92	0.96	0.92
OK88W833	4	3536	0.98	0.95	0.90
XH1319	34	3527	1.01	0.98	0.97
T67	42	3520	0.93	0.97	0.93
TX88V4635	11	3517	1.09	0.95	0.90
NE88584	32	3469	0.76	0.92	0.85
TX84V1418HF	9	3447	0.99	0.98	0.96
CO870449	21	3443	1.00	0.97	0.94
TX88V4636	8	3414	0.95	0.95	0.91
TH901	44	3408	0.93	0.97	0.94
TX88V5440	10	3407	0.92	0.96	0.92
NE88588	33	3311	0.82	0.96	0.92
WI88-028	40	3294	1.05	0.96	0.92
CO860086	18	3290	1.12	0.94	0.88
TH902	45	3262	1.07	0.98	0.96
CO860094	19	3215	0.98	0.92	0.85
SCOUT66	2	3045	0.70	0.88	0.77
CO860235	20	3013	0.95	0.91	0.82
KHARKOF	1	2357	0.61	0.86	0.75

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 21 entries in the 1991 and 1992 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)
KSSB-369-7	22	4033	1.07	0.95	0.91
T21-3	43	3986	1.08	0.97	0.94
TAM-107	3	3939	1.13	0.97	0.94
TX89V4138	14	3916	1.13	0.96	0.92
TX88V5433	15	3818	0.87	0.95	0.90
TX87V1613	12	3814	1.10	0.98	0.96
TX88V4524	13	3759	1.00	0.95	0.91
TX88V4635	11	3755	1.15	0.97	0.94
OK88W833	4	3739	1.07	0.95	0.91
NE88595	30	3728	1.02	0.97	0.95
TH901	44	3664	0.87	0.97	0.94
TX88V5440	10	3662	0.89	0.95	0.90
NE88427	31	3640	0.95	0.96	0.92
TX88V4636	8	3631	1.05	0.97	0.94
TX84V1418HF	9	3611	0.99	0.98	0.96
T67	42	3591	0.84	0.95	0.90
CO860086	18	3510	1.24	0.96	0.92
CO860094	19	3430	1.13	0.94	0.88
TH902	45	3408	1.00	0.96	0.93
SCOUT66	2	3150	0.74	0.92	0.85
KHARKOF	1	2348	0.68	0.91	0.83