Table 2. Summary of mean yields (kg/ha) of 45 wheats grown in the 1991 Southern Regional Performance Nursery at 29 locations with state means and ranks.

VARIETY OR PEDIGREE	C.I. OR SEL. NO.	ENTRY NO.	LINCOLN NEBRASKA		CLAY CENTER NEBRASKA		NORTH PLATTE NEBRASKA		SIDNEY NEBRASKA		NEBRASKA STATE MEAN	
Bulk Selection	KSSB-369-7	24	2726	6	2562	10	924	15	2337	33	2137	11
Bulk Selection	WI88-083	39	2374	11	3076	2	857	16	3815	1	2531	1
Quantum Hybrid Wheat	XH1231	36	1946	31	2234	18	596	25	3206	15	1995	22
TAM-200//TX38949-2/TAM-107	TX89V4138	15	1818	35	2057	22	777	21	2190	38	1710	32
TAM-108/Lancota	T21-3	43	1145	43	3078	1	1100	10	3259	11	2146	10
TAM-108/TX78V2154	T19-3	41	2363	12	2896	5	1153	8	3572	3	2496	3.
Quantum Hybrid Wheat	XH900	35	2125	17	2276	15	466	32	2714	26	1895	25
Norkan/TAM-108	KS88H12-2	29	2089	21	1775	33	1175	6	3211	14	2062	16
2162 sib/W6430C//W9519A	HBC197F	26	2053	22	2256	17	800	19	3231	13	2085	15
Bulk Selection	KSSB-192-3	25	3549	1	2115	21	312	40	2719	25	2174	8
Quantum Hybrid Wheat	XH1514	38	2020	25	2327	13	486	31	3407	6	2060	17
TAM-107	PI495594	3	2999	2	1781	31	1112	9	2512	29	2101	13
TX78V2154/Siouxland	TX88V4635	12	1293	41	1825	29	327	38	2751	24	1549	37
NE68513/NE684457//Ctk/3/Brule	NE87615	30	1993	28	1950	26	1255	5	3269	10	2117	12
NS14/NS25//2*Vona	CO850061	21	2107	20	2134	19	305	41	2404	32	1738	31
Karl Resel.	TX88V5433	16	2542	7	2960	3	1643	1	2939	19	2521	2
HRW Hybrid	TH901	44	2345	13	2450	12	974	13	3273	9	2260	6
Karl Resel.	TX88V5440	11	2123	18	2451	11	959	14	2577	28	2028	19
Quantum Hybrid Wheat	XH1322	37	2387	10	2587	9	531	27	2712	27	2055	18
Arkan/Colt//Chisholm sib	NE88595	33	1970	30	2049	23	1323	3	3249	12	2148	9
Norkan/TAM-108	KS88H12-1	28	1926	32	1750	35	995	11	3679	2	2087	14
HRW Hybrid	TH902	45	2009	26	2617	8	1154	7	3073	16	2213	7
F29-76/T105//Csm	OK88767	7	2742	5	1970	25	502	30	2197	36	1853	27
Csm*3/3/Newton/Largo//2*Csm	OK88W833	8	2517	8	1840	28	333	37	1581	43	1568	36
NE78696/Payne	TX88V4524	14	2981	3	2290	14	527	29	2181	39	1995	23
H15A13333/3/5*Led/Egl//Sage/4/TAM-105	KS87H6	27	1867	33	1798	30	792	20	3441	5	1975	24
TX78V2154/Siouxland	TX88V4636	9	1394	40	993	42	545	26	2813	21	1436	40
NE68513/NE68457//Ctk78/3/Brule	NE87451	32	2396	9	1776	32	808	18	2424	31	1851	28
TAM-105/3/NE70654/BBY/Bow's'	TX87V1613	13	2262	14	1573	37	188	43	1997	40	1505	38
Vona/TX71D4889-V3	TX84V1418HF	10	2112	19	2778	6	436	33	2763	23	2022	20
Nwt/2/Wrr*5/Agent/4/T-105/3/Led//Egl/Sag	NE87409	31	1858	34	1544	38	1634	2	2969	18	2001	21
TAM-101/OK79286//Csm	OK87630	6	2744	4	1610	36	149	44	1889	41	1598	35
2165/Vona	T67	42	2174	16	2917	4	753	22	3524	4	2342	4
NS2630/Thunderbird	WI88-024	40	1663	36	1768	34	633	24	2995	17	1765	29
Century sib/Csm	OK87542	5	2053	22	2125	20	374	34	2264	35	1704	33
Bennett/TAM-107	NE88427	34	2029	24	2642	7	982	12	3405	7	2264	5
TX73165/Sandy	CO860086	22	1163	42	1063	41	529	28	2783	22	1385	41
Thunderbird//Payne/Collin	TX86D1310	17	1997	27	2263	16	824	17	2492	30	1894	26
NE76667/Hawk	CO860094	23	1551	39	955	44	87	45	3286	8	1470	39
TAM-106/Collin	TX86D1332	18	1979	29	2042	24	660	23	2326	34	1752	30
Csm*3/3/Ntn/Largo//Csm	OK87W663	4	2262	14	1148	40	325	39	1348	45	1271	42
NS14/NS603//Newton/3/PB835	CO850034	20	1587	38	1160	39	342	35	1499	44	1147	43
Scout 66	CI13996	2	650	45	1927	27	1293	4	2845	20	1679	34
TX82D4651//Amigo/TX71A106-5	TX88D3424	19	1614	37	972	43	239	42	1614	42	1110	44
Kharkof	CI1442	1	910	44	824	45	334	36	2193	37	1065	45
	MEAN		2054		2026		723		2732		1884	
	LSD(.05)		685		614		480		724		655	
	C.V.		20.5		18.7		40.9		16.3		20.7	

Table 2. Continued.

C.I. OR SEL. NO.	ENTRY NO.	HUTCHINSON KANSAS		HAYS KANSAS		MANHATTAN KANSAS		COLBY KANSAS		GARDEN CITY KANSAS		KANSAS STATE MEAN		BROOKINGS S. DAKOTA		CRAWFORDSVILLE * IOWA	
KSSB-369-7	24	3945	1	2605	20	3702	5	4598	3	3791	32	3728	4	3173	35	.	.
WI88-083	39	3433	8	2542	27	4196	1	4268	21	4553	5	3798	1	4065	5	2219	22
XH1231	36	2886	18	3044	2	3805	3	4093	23	4882	1	3742	2	3702	11	3080	9
TX89V4138	15	2871	19	2791	12	3326	14	4562	5	4102	20	3530	6	2726	39	.	.
T21-3	43	1570	38	2582	22	2997	25	4483	8	4463	11	3219	22	4175	2	3558	4
T19-3	41	2566	25	3020	3	2925	29	4479	9	4235	19	3445	12	3861	9	3578	3
XH900	35	2980	13	2981	7	3573	7	4468	10	4651	3	3731	3	3460	22	2952	10
KS88H12-2	29	1938	33	2529	28	2642	35	4326	15	4344	16	3156	31	3420	23	.	.
HBC197F	26	3214	11	2390	34	3397	11	4118	22	4432	12	3510	7	3657	13	.	.
KSSB-192-3	25	2824	20	2632	18	3979	2	4017	29	3842	30	3459	10	1727	44	.	.
XH1514	38	1883	34	3008	4	3154	18	3932	32	4326	17	3261	20	3413	25	2508	17
PI495594	3	1978	31	3098	1	2919	30	4037	27	3625	36	3131	34	2573	40	2455	18
TX88V4635	12	2351	28	2336	37	2058	40	4604	2	4546	7	3179	27	3360	27	.	.
NE87615	30	1730	35	2930	8	2900	31	4546	6	4533	8	3328	19	4119	3	2421	19
C0850061	21	2115	29	2984	6	3382	12	4275	18	4551	6	3461	8	2230	41	.	.
TX88V5433	16	3557	4	2381	35	2874	33	4569	4	3632	35	3402	15	3514	20	3178	7
TH901	44	2965	15	2511	29	3517	9	4270	19	4035	23	3460	9	3306	30	3917	2
TX88V5440	11	3569	3	2304	39	3296	15	4504	7	3378	42	3410	14	3596	17	3161	8
XH1322	37	3473	6	2473	30	3717	4	3629	38	3954	26	3449	11	3263	33	2646	16
NE88595	33	1265	42	3002	5	2375	38	4461	11	4741	2	3169	28	3642	14	2818	12
KS88H12-1	28	1963	32	2562	25	2997	26	4329	13	4403	13	3251	21	3520	19	3245	6
TH902	45	2632	24	2842	10	3351	13	4082	25	3927	27	3367	16	3341	28	2875	11
OK88767	7	2890	17	2582	23	3694	6	4057	26	3584	38	3362	18	3611	16	.	.
OK88W833	8	2471	27	2768	13	3521	8	3614	40	3616	37	3198	25	3341	29	.	.
TX88V4524	14	2969	14	2206	41	2888	32	4019	28	3750	33	3166	29	2921	37	.	.
KS87H6	27	3102	12	2547	26	3097	20	4338	12	4098	21	3436	13	4091	4	2707	14
TX88V4636	9	1709	37	2659	15	2381	37	4618	1	4403	13	3154	32	3361	26	.	.
NE87451	32	2683	23	2587	21	2754	34	4270	19	4528	9	3365	17	3977	6	3363	5
TX87V1613	13	2931	16	1858	45	2968	28	3791	33	3909	29	3092	38	3298	31	.	.
TX84V1418HF	10	3339	10	2316	38	3063	22	3497	41	3495	39	3142	33	3615	15	2354	21
NE87409	31	1520	39	2809	11	2362	39	4302	17	4492	10	3097	36	3879	7	2656	15
OK87630	6	3547	5	2432	32	3146	19	3723	35	3239	45	3217	23	3672	12	4304	1
T67	42	3726	2	2636	17	3482	10	3983	30	3835	31	3533	5	3768	10	.	.
WI88-024	40	2702	21	2360	36	3075	21	3625	39	4064	22	3165	30	3520	18	2811	13
OK87542	5	2698	22	2410	33	2998	24	3954	31	3916	28	3195	26	4213	1	.	.
NE88427	34	1719	36	2847	9	2454	36	4089	24	4360	15	3094	37	3871	8	2357	20
C0860086	22	406	44	2629	19	1458	43	3692	36	4304	18	2498	44	3003	36	2085	24
TX86D1310	17	3344	9	2239	40	3003	23	3634	37	3407	41	3125	35	3513	21	.	.
C0860094	23	868	43	2645	16	1232	44	4317	16	4580	4	2728	42	3216	34	1765	25
TX86D1332	18	3451	7	2206	41	3289	16	3410	42	3643	34	3200	24	3419	24	.	.
OK87W663	4	2525	26	2670	14	2978	27	3232	43	3266	44	2934	39	2782	38	.	.
C0850034	20	1388	41	2448	31	3216	17	3062	44	4013	24	2825	41	2192	42	.	.
CI13996	2	1978	30	2564	24	1466	42	4329	13	3990	25	2866	40	3284	32	2118	23
TX88D3424	19	1519	40	1988	43	2043	41	3788	34	3445	40	2557	43	1323	45	.	.
CI1442	1	372	45	1894	44	693	45	2484	45	3293	43	1747	45	2044	43	1580	26
MEAN		2479		2574		2941		4055		4048		3320		3328		2797	
LSD(.05)		578		276		483		292		492		671		598		.	
C.V.		14.4		6.6		10.1		4.4		7.5		8.4		11.1		.	

* Not included in regional averages.

Table 2. Continued.

C.I. OR SEL. NO.	ENTRY NO.	CLOVIS (IRR.) NEW MEXICO		CLOVIS (DRYL.) NEW MEXICO		FARMINGTON NEW MEXICO		NEW MEXICO STATE MEAN		STILLWATER OKLAHOMA		LAHOMA OKLAHOMA		GOODWELL OKLAHOMA		OKLAHOMA STATE MEAN	
KSSB-369-7	24	5611	4	213	1	5689	10	3838	4	3179	7	3434	1	6365	3	4326	1
WI88-083	39	4615	21	77	34	5454	18	3382	19	3396	4	2514	16	5905	16	3938	6
XH1231	36	5377	6	131	16	5279	21	3596	10	3056	15	2574	13	6396	2	4009	4
TX89V4138	15	4696	19	185	3	5630	14	3504	14	2848	20	3397	2	5518	27	3921	7
T21-3	43	6128	1	140	12	5059	28	3776	5	3635	2	2465	21	6215	6	4105	3
T19-3	41	5319	9	131	17	5205	23	3552	12	3081	14	2288	28	5673	23	3681	19
XH900	35	5851	2	154	9	5161	25	3722	6	2859	19	2737	8	6090	10	3895	8
KS88H12-2	29	4423	25	90	29	5161	25	3225	26	3090	13	2070	37	6327	4	3829	9
HBC197F	26	4560	24	118	19	4487	36	3055	32	3768	1	2600	11	6317	5	4228	2
KSSB-192-3	25	5262	10	158	8	6305	2	3908	2	3178	8	2564	15	6179	8	3974	5
XH1514	38	5487	5	113	20	4487	36	3362	20	3151	10	2251	30	5748	21	3716	18
PI495594	3	5782	3	113	21	6627	1	4174	1	2273	39	2957	3	5787	19	3672	22
TX88V4635	12	4927	13	172	6	4369	40	3156	29	2353	35	2749	7	6054	12	3719	17
NE87615	30	4816	14	131	15	6085	3	3677	8	2707	24	2463	22	6038	14	3736	14
CO850061	21	5336	8	109	22	6085	3	3843	3	2060	42	2208	32	5905	16	3391	31
TX88V5433	16	4134	35	54	40	5484	17	3224	27	2739	23	2312	27	5678	22	3576	24
TH901	44	4568	23	90	27	5029	29	3229	25	3466	3	2610	10	4886	40	3654	23
TX88V5440	11	5353	7	81	32	5660	12	3698	7	2686	25	2597	12	5749	20	3677	21
XH1322	37	4371	27	95	26	5528	16	3331	23	3113	12	2789	6	5440	28	3781	13
NE88595	33	4378	26	154	10	5762	8	3431	17	2150	40	2187	34	6064	11	3467	27
KS88H12-1	28	3483	42	63	39	4868	31	2805	41	2666	26	2252	29	6472	1	3797	12
TH902	45	3091	45	77	34	5337	20	2835	40	3207	6	2797	5	5161	36	3722	16
OK88767	7	4359	28	45	43	5674	11	3360	21	3121	11	2424	23	5630	26	3725	15
OK88W833	8	5198	12	99	24	5733	9	3677	9	2447	33	2477	19	5667	25	3530	26
TX88V4524	14	4577	22	140	13	4560	34	3092	31	2955	17	2412	24	5669	24	3678	20
KS87H6	27	4305	30	90	29	5645	13	3347	22	3172	9	2502	17	5811	18	3828	10
TX88V4636	9	4246	32	172	5	4267	41	2895	38	2498	31	2798	4	6187	7	3828	11
NE87451	32	4206	33	163	7	5103	27	3157	28	2878	18	2099	36	5343	32	3440	29
TX87V1613	13	4767	15	190	2	5586	15	3515	13	2564	28	2734	9	5310	35	3536	25
TX84V1418HF	10	4185	34	50	42	4575	33	2937	36	2477	32	1948	39	4973	39	3133	40
NE87409	31	5244	11	104	23	4912	30	3420	18	2398	34	1819	42	5358	31	3192	39
OK87630	6	3803	39	54	40	5220	22	3026	34	2795	21	2500	18	5013	38	3436	30
T67	42	4099	36	90	27	4516	35	2902	37	3045	16	2566	14	3254	44	2955	42
WI88-024	40	4757	16	99	24	5440	19	3432	16	2534	30	2248	31	5336	34	3373	33
OK87542	5	3306	44	45	43	4384	39	2579	44	2575	27	2349	26	5437	29	3454	28
NE88427	34	3974	37	181	4	5821	7	3325	24	1890	44	1908	40	5988	15	3262	35
CO860086	22	4315	29	77	36	6012	5	3468	15	1910	43	1705	43	6148	9	3254	36
TX86D1310	17	4646	20	86	31	4736	32	3156	30	2745	22	2113	35	3792	43	2883	44
CO860094	23	4287	31	140	11	4252	42	2893	39	2133	41	1557	44	6047	13	3245	38
TX86D1332	18	3830	38	122	18	5205	23	3052	33	3247	5	1974	38	3866	42	3029	41
OK87W663	4	4755	17	72	37	5894	6	3574	11	2332	37	2375	25	5434	30	3381	32
CO850034	20	4736	18	45	45	4252	42	3011	35	2341	36	2473	20	5161	36	3325	34
CI13996	2	3593	41	136	14	4428	38	2719	42	2307	38	2188	33	4255	41	2916	43
TX88D3424	19	3347	43	72	37	4135	45	2518	45	2547	29	1851	41	5340	33	3246	37
CI1442	1	3754	40	81	32	4164	44	2667	43	1523	45	1221	45	2822	45	1856	45
MEAN		4575		111		5184		3290		2735		2379		5507		3540	
LSD(.05)		1573		70		1153		795		599		312		650		842	
C.V.		21.2		38.6		15.9		21.5		13.5		8.1		7.3		9.4	

Table 2. Continued.

C.I. OR SEL. NO.	ENTRY NO.	FORT COLLINS COLORADO		AKRON COLORADO		JULESBURG COLORADO		WALSH COLORADO		COLORADO STATE MEAN		ABERDEEN IDAHO		PRESTON IDAHO		IDAHO STATE MEAN	
KSSB-369-7	24	6709	12	5065	9	3534	10	3691	18	4750	9	9922	16	2267	17	6095	13
WI88-083	39	6354	16	5219	5	3606	8	3783	16	4741	10	9660	18	2459	6	6059	15
XH1231	36	6272	20	4786	20	3612	7	3452	28	4530	20	12519	2	2264	18	7391	2
TX89V4138	15	6873	11	4836	17	2675	38	4174	2	4639	14	11557	5	2338	12	6947	4
T21-3	43	7765	3	5330	3	3871	3	3283	32	5062	2	10138	14	1964	32	6051	16
T19-3	41	6317	18	5131	7	3053	29	3851	11	4588	19	8833	30	1749	43	5291	35
XH900	35	6507	14	4744	22	3317	21	3958	6	4632	15	9206	26	2230	19	5718	25
KS88H12-2	29	6694	13	5389	1	3238	23	4075	4	4849	8	11819	3	1931	35	6875	5
HBC197F	28	7269	6	4871	16	3771	6	3895	9	4951	4	8190	39	1968	31	5079	39
KSSB-192-3	25	8012	2	4940	13	2547	40	4011	5	4877	7	9805	17	2112	25	5958	21
XH1514	38	7164	9	4779	21	3840	5	3900	7	4921	6	10585	8	2368	11	6476	7
PI495594	3	6358	15	4941	12	2731	36	3898	8	4482	23	9963	15	1964	32	5963	20
TX88V4635	12	7258	7	5083	8	3348	17	4160	3	4962	3	10931	6	1860	39	6396	8
NE87615	30	7228	8	5351	2	3380	15	3807	15	4941	5	8553	35	1759	42	5156	38
C0850061	21	7642	4	4898	14	2566	39	3572	22	4670	13	9499	22	2650	3	6074	14
TX88V5433	16	4334	43	4610	31	3352	16	3251	33	3887	38	8658	33	2328	13	5493	31
TH901	44	6126	25	4509	33	3900	2	3209	34	4436	25	8550	36	2156	21	5353	34
TX88V5440	11	4327	44	4707	25	3450	13	3108	36	3898	37	9435	23	2502	4	5969	19
XH1322	37	6130	24	4375	36	3851	4	3709	17	4516	22	7571	42	1904	37	4737	42
NE88595	33	6339	17	4787	19	3129	27	3848	12	4526	21	10514	9	2085	27	6300	10
KS88H12-1	28	6156	23	5030	10	3318	20	3877	10	4595	17	9270	25	2324	14	5797	24
TH902	45	5660	32	4606	32	3084	28	3037	38	4097	34	8994	29	2280	15	5637	28
OK88767	7	5813	29	4888	15	2678	37	2930	43	4077	35	9031	27	2277	16	5654	26
OK88W833	8	4812	39	4048	41	1980	42	3028	39	3467	43	12593	1	2805	1	7699	1
TX88V4524	14	5302	35	4736	24	3215	25	3527	26	4195	31	9633	19	2452	9	6043	17
KS87H6	27	5111	37	4647	30	4051	1	3466	27	4319	27	7871	41	2149	23	5010	41
TX88V4636	9	7276	5	5272	4	2836	34	3539	24	4731	11	10474	10	1924	36	6199	12
NE87451	32	6231	21	5195	6	3220	24	3811	14	4614	16	8705	32	2153	22	5429	32
TX87V1613	13	5981	27	4367	39	2993	30	3680	20	4255	30	10275	12	1799	40	6037	18
TX84V1418HF	10	5753	31	4372	37	3319	19	2951	42	4099	33	10423	11	2681	2	6552	6
NE87409	31	6309	19	4976	11	3261	22	4217	1	4691	12	8560	34	1995	29	5277	36
OK87630	6	4368	42	4351	40	2744	35	3423	31	3722	39	9307	24	2479	5	5893	22
T67	42	5481	34	4484	34	3389	14	2953	41	4077	36	8493	38	1971	30	5232	37
WI88-024	40	5649	33	4658	29	3460	12	3572	22	4335	26	8503	37	2206	20	5355	33
OK87542	5	6100	26	4704	26	3155	26	3150	35	4277	28	9014	28	2052	28	5533	30
NE88427	34	6223	22	4744	22	3495	11	3425	30	4472	24	7225	44	1880	38	4552	44
C0860086	22	6996	10	4692	27	2849	33	3824	13	4591	18	11816	4	2459	6	7137	3
TX86D1310	17	4484	41	4038	42	2981	31	3003	40	3626	41	8762	31	2395	10	5578	29
C0860094	23	8187	1	4829	18	3553	9	3691	18	5065	1	10793	7	1762	41	6278	11
TX86D1332	18	5772	30	4368	38	3329	18	3046	37	4129	32	7958	40	2146	24	5052	40
OK87W663	4	4753	40	4480	35	1940	43	3438	29	3653	40	9603	20	2092	26	5847	23
C0850034	20	4914	38	3522	44	1256	45	3621	21	3328	44	10228	13	2455	8	6342	9
CI13996	2	5831	28	4681	28	2978	32	3533	25	4256	29	7477	43	1934	34	4706	43
TX88D3424	19	5223	36	4001	43	2383	41	2641	45	3562	42	9556	21	1736	44	5646	27
CI1442	1	4316	45	2569	45	1493	44	2660	44	2759	45	6539	45	1413	45	3976	45
MEAN		6097		4680		3105		3526		4352		9489		2148		5819	
LSD(.05)		1481		581		558		551		719		2588		549		N.S.	
C.V.		15.0		7.6		11.1		9.6		12.5		13.5		12.6		15.9	

Table 2. Concluded.

C.I. OR SEL. NO.	ENTRY NO.	DALLAS TEXAS		PROSPER TEXAS		CHILLI-COTHE TEXAS		BUSHLAND (IRR.) TEXAS		BUSHLAND (DRYL.) TEXAS		TEXAS STATE MEAN		COLUMBIA MISSOURI		REGIONAL AVERAGE	
KSSB-369-7	24	3082	4	3214	11	3705	1	6806	17	2795	7	3920	2	2775	7	3872	1
WI88-083	39	2072	27	3323	9	3022	28	6698	19	2818	6	3586	12	1378	39	3769	2
XH1231	36	2014	29	3132	12	3524	5	6691	20	2423	30	3557	13	1449	36	3762	3
TX89V4138	15	2843	9	2978	20	3434	7	7664	1	3015	2	3987	1	2359	18	3723	4
T21-3	43	1789	32	3049	16	3167	20	6577	23	2759	10	3468	19	1674	31	3709	5
T19-3	41	2248	22	3002	18	3401	8	6797	18	3096	1	3709	4	2699	9	3676	6
XH900	35	2420	21	3042	17	3295	12	6998	12	2694	12	3690	6	1299	41	3652	7
KS88H12-2	29	1456	35	2506	33	3277	13	7146	8	2551	21	3387	24	2581	13	3617	8
HBC197F	26	2838	10	3572	4	2842	34	6422	24	2466	27	3628	9	1717	30	3615	9
KSSB-192-3	25	1315	37	2187	37	3044	27	7034	9	2506	23	3217	35	2153	25	3608	10
XH1514	38	1240	38	2941	22	3311	11	7427	4	2670	14	3518	14	1375	40	3600	11
PI495594	3	2158	24	2657	30	3013	29	6682	21	2981	3	3498	17	3002	2	3590	12
TX88V4635	12	2167	23	2915	23	3199	17	7577	2	2623	19	3696	5	2280	19	3553	13
NE87615	30	1487	33	2225	36	3273	14	6402	25	2688	13	3215	36	1449	37	3538	14
CO850061	21	2138	25	2074	39	3524	4	7030	10	2780	8	3509	15	2272	22	3530	15
TX88V5433	16	2870	6	3762	2	2856	33	6183	32	2318	35	3598	11	2953	3	3517	16
TH901	44	2740	14	3124	13	3167	21	5501	39	2399	32	3386	26	2715	8	3514	17
TX88V5440	11	2584	16	3503	6	2683	43	5667	38	2464	28	3380	27	2850	6	3506	18
XH1322	37	2751	13	3525	5	3201	16	6174	38	2506	23	3632	8	2274	21	3501	19
NE88595	33	947	41	2280	35	3369	9	6933	15	2625	18	3231	34	1841	29	3481	20
KS88H12-1	28	1481	34	2685	28	3219	15	7368	7	2047	41	3360	30	2695	10	3478	21
TH902	45	2607	15	2948	21	3640	2	6165	34	1921	42	3456	22	2915	5	3448	22
OK88767	7	3257	3	3122	14	2744	40	6059	35	2112	40	3459	20	2501	16	3446	23
OK88W833	8	2853	8	3232	10	2739	41	5990	37	2470	26	3457	21	2540	14	3440	24
TX88V4524	14	2794	11	3988	1	2968	31	6270	29	2780	8	3760	3	1499	34	3436	26
KS87H6	27	2119	26	2681	29	2768	38	6059	35	2437	29	3213	37	2164	24	3436	25
TX88V4636	9	1349	36	2617	31	3188	18	7402	5	2331	34	3377	28	2247	23	3411	28
NE87451	32	1915	31	2436	34	3046	26	6978	13	2558	20	3387	25	1256	42	3411	27
TX87V1613	13	2854	7	3102	15	3161	22	6588	22	1834	44	3508	16	2528	15	3396	29
TX84V1418HF	10	2753	12	2997	19	2795	37	6344	27	2163	38	3410	23	2276	20	3373	30
NE87409	31	986	40	2043	40	2988	30	6976	14	2742	11	3147	38	2152	26	3372	31
OK87630	6	2881	5	3419	7	3170	19	6191	31	2477	25	3628	10	3099	1	3337	32
T67	42	2430	19	2782	27	3085	25	5136	42	2170	37	3120	39	2676	11	3336	33
WI88-024	40	2033	28	2524	32	3123	24	6328	28	2549	22	3311	32	1248	43	3310	34
OK87542	5	2423	20	2911	24	2901	32	6205	30	1912	43	3270	33	2930	4	3306	35
NE88427	34	531	42	1826	41	2840	35	6828	16	2898	5	2985	42	1535	33	3272	36
CO860086	22	309	44	1174	44	3445	6	7391	6	2923	4	3048	40	1412	38	3232	37
TX86D1310	17	3453	1	3573	3	2820	36	4914	44	2634	17	3479	18	1844	28	3205	38
CO860094	23	375	43	1192	42	3336	10	7552	3	2641	15	3019	41	638	45	3204	39
TX86D1332	18	3392	2	3396	8	2638	44	4947	43	2414	31	3357	31	1539	32	3200	40
OK87W663	4	2505	17	2856	26	2712	42	6382	26	2399	32	3371	29	2661	12	3186	41
CO850034	20	2495	18	2895	25	3625	3	7016	11	2284	36	3663	7	2500	17	3097	42
CI13996	2	1206	39	2093	38	3132	23	5311	41	2636	16	2875	43	2016	27	3002	43
TX88D3424	19	2009	30	1183	43	2751	39	5398	40	2121	39	2692	44	1486	35	2726	44
CI1442	1	238	45	1047	45	2329	45	4286	45	1383	45	1857	45	864	44	2062	45
MEAN		2097		2750		3099		6455		2489		3378		2096		3410	
LSD(.05)		552		501		413		701		620		727		702		299	
C.V.		16.5		11.2		8.2		6.7		15.3		10.3		20.6		14.1	

Table 3. Summary of mean yields (kg/ha) and ranks of 45 wheats grown in the 1991 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		HUTCHINSON KANSAS		HAYS KANSAS		MANHATTAN KANSAS		COLBY KANSAS		GARDEN CITY KANSAS	
KSSB-369-7	24	3214	11	3705	1	6806	17	3945	1	2605	20	3702	5	4598	3	3791	32
WI88-083	39	3323	9	3022	28	6698	19	3433	8	2542	27	4196	1	4268	21	4553	5
HBC197F	26	3572	4	2842	34	6422	24	3214	11	2390	34	3397	11	4118	22	4432	12
XH1231	36	3132	12	3524	5	6691	20	2886	18	3044	2	3805	3	4093	23	4882	1
XH900	35	3042	17	3295	12	6998	12	2980	13	2981	7	3573	7	4468	10	4651	3
T21-3	43	3049	16	3167	20	6577	23	1570	38	2582	22	2997	25	4483	8	4463	11
TX89V4138	15	2978	20	3434	7	7664	1	2871	19	2791	12	3326	14	4562	5	4102	20
XH1514	38	2941	22	3311	11	7427	4	1883	34	3008	4	3154	18	3932	32	4326	17
TX88V4635	12	2915	23	3199	17	7577	2	2351	28	2336	37	2058	40	4604	2	4546	7
T19-3	41	3002	18	3401	8	6797	18	2566	25	3020	3	2925	29	4479	9	4235	19
NE87615	30	2225	36	3273	14	6402	25	1730	35	2930	8	2900	31	4546	6	4533	8
KS88H12-2	29	2506	33	3277	13	7146	8	1938	33	2529	28	2642	35	4326	15	4344	16
KS88H12-1	28	2685	28	3219	15	7368	7	1963	32	2562	25	2997	26	4329	13	4403	13
XH1322	37	3525	5	3201	16	6174	33	3473	6	2473	30	3717	4	3629	38	3954	26
TX88V4636	9	2617	31	3188	18	7402	5	1709	37	2659	15	2381	37	4618	1	4403	13
KSSB-192-3	25	2187	37	3044	27	7034	9	2824	20	2632	18	3979	2	4017	29	3842	30
NE87451	32	2436	34	3046	26	6978	13	2683	23	2587	21	2754	34	4270	19	4528	9
KS87H6	27	2681	29	2768	38	6059	35	3102	12	2547	26	3097	20	4338	12	4098	21
TH901	44	3124	13	3167	21	5501	39	2965	15	2511	29	3517	9	4270	19	4035	23
CO850061	21	2074	39	3524	4	7030	10	2115	29	2984	6	3382	12	4275	18	4551	6
NE88595	33	2280	35	3369	9	6933	15	1265	42	3002	5	2375	38	4461	11	4741	2
TH902	45	2948	21	3640	2	6165	34	2632	24	2842	10	3351	13	4082	25	3927	27
OK88767	7	3122	14	2744	40	6059	35	2890	17	2582	23	3694	6	4057	26	3584	38
TX88V4524	14	3988	1	2968	31	6270	29	2969	14	2206	41	2888	32	4019	28	3750	33
NE87409	31	2043	40	2988	30	6976	14	1520	39	2809	11	2362	39	4302	17	4492	10
OK87542	5	2911	24	2901	32	6205	30	2698	22	2410	33	2998	24	3954	31	3916	28
TX88V5433	16	3762	2	2856	33	6183	32	3557	4	2381	35	2874	33	4569	4	3632	35
PI495594	3	2657	30	3013	29	6682	21	1978	31	3098	1	2919	30	4037	27	3625	36
TX87V1613	13	3102	15	3161	22	6588	22	2931	16	1858	45	2968	28	3791	33	3909	29
TX88V5440	11	3503	6	2683	43	5667	38	3569	3	2304	39	3296	15	4504	7	3378	42
CO860094	23	1192	42	3336	10	7552	3	868	43	2645	16	1232	44	4317	16	4580	4
WI88-024	40	2524	32	3123	24	6328	28	2702	21	2360	36	3075	21	3625	39	4064	22
NE88427	34	1826	41	2840	35	6828	16	1719	36	2847	9	2454	36	4089	24	4360	15
OK87630	6	3419	7	3170	19	6191	31	3547	5	2432	32	3146	19	3723	35	3239	45
T67	42	2782	27	3085	25	5136	42	3726	2	2636	17	3482	10	3983	30	3835	31
TX84V1418HF	10	2997	19	2795	37	6344	27	3339	10	2316	38	3063	22	3497	41	3495	39
TX86D1332	18	3396	8	2638	44	4947	43	3451	7	2206	41	3289	16	3410	42	3643	34
OK88W833	8	3232	10	2739	41	5990	37	2471	27	2768	13	3521	8	3614	40	3616	37
CO860086	22	1174	44	3445	6	7391	6	406	44	2629	19	1458	43	3692	36	4304	18
OK87W663	4	2856	26	2712	42	6382	26	2525	26	2670	14	2978	27	3232	43	3266	44
CI13996	2	2093	38	3132	23	5311	41	1978	30	2564	24	1466	42	4329	13	3990	25
TX86D1310	17	3573	3	2820	36	4914	44	3344	9	2239	40	3003	23	3634	37	3407	41
CO850034	20	2895	25	3625	3	7016	11	1388	41	2448	31	3216	17	3062	44	4013	24
TX88D3424	19	1183	43	2751	39	5398	40	1519	40	1988	43	2043	41	3788	34	3445	40
CI1442	1	1047	45	2329	45	4286	45	372	45	1894	44	693	45	2484	45	3293	43
MEAN		2750		3099		6455		2479		2574		2941		4055		4048	
LSD(.05)		501		413		701		578		276		483		292		492	
C.V.		11.2		8.2		6.7		14.4		6.6		10.1		4.4		7.5	

Table 3. Concluded.

C.I. OR SEL. NO.	ENTRY NO.	BROOKINGS S. DAKOTA		STILLWATER OKLAHOMA		LAHOMA OKLAHOMA		GOODWELL OKLAHOMA		FORT COLLINS COLORADO		AKRON COLORADO		JULESBURG COLORADO		WALSH COLORADO		REGIONAL AVERAGE	
KSSB-369-7	24	3173	35	3179	7	3434	1	6365	3	6709	12	5065	9	3534	10	3691	18	4220	1
WI88-083	39	4065	5	3396	4	2514	16	5905	16	6354	16	5219	5	3606	8	3783	16	4180	2
HBC197F	26	3657	13	3768	1	2600	11	6317	5	7269	6	4871	16	3771	6	3895	9	4158	3
XH1231	36	3702	11	3056	15	2574	13	6396	2	6272	20	4786	20	3612	7	3452	28	4119	4
XH900	35	3460	22	2859	19	2737	8	6090	10	6507	14	4744	22	3317	21	3958	6	4104	5
T21-3	43	4175	2	3635	2	2465	21	6215	6	7765	3	5330	3	3871	3	3283	32	4102	6
TX89V4138	15	2726	39	2848	20	3397	2	5518	27	6873	11	4836	17	2675	38	4174	2	4048	7
XH1514	38	3413	25	3151	10	2251	30	5748	21	7164	9	4779	21	3840	5	3900	7	4014	8
TX88V4635	12	3360	27	2353	35	2749	7	6054	12	7258	7	5083	8	3348	17	4160	3	3997	9
T19-3	41	3861	9	3081	14	2288	28	5673	23	6317	18	5131	7	3053	29	3851	11	3980	10
NE87615	30	4119	3	2707	24	2463	22	6038	14	7228	8	5351	2	3380	15	3807	15	3977	11
KS88H12-2	29	3420	23	3090	13	2070	37	6327	4	6694	13	5389	1	3238	23	4075	4	3938	12
KS88H12-1	28	3520	19	2666	26	2252	29	6472	1	6156	23	5030	10	3318	20	3877	10	3926	13
XH1322	37	3263	33	3113	12	2789	6	5440	28	6130	24	4375	36	3851	4	3709	17	3926	14
TX88V4636	9	3361	26	2498	31	2798	4	6187	7	7276	5	5272	4	2836	34	3539	24	3921	15
KSSB-192-3	25	1727	44	3178	8	2564	15	6179	8	8012	2	4940	13	2547	40	4011	5	3920	16
NE87451	32	3977	6	2878	18	2099	36	5343	32	6231	21	5195	6	3220	24	3811	14	3877	17
KS87H6	27	4091	4	3172	9	2502	17	5811	18	5111	37	4647	30	4051	1	3466	27	3846	18
TH901	44	3306	30	3466	3	2610	10	4886	40	6126	25	4509	33	3900	2	3209	34	3819	19
CO850061	21	2230	41	2060	42	2208	32	5905	16	7642	4	4898	14	2566	39	3572	22	3814	20
NE88595	33	3642	14	2150	40	2187	34	6064	11	6339	17	4787	19	3129	27	3848	12	3786	21
TH902	45	3341	28	3207	6	2797	5	5161	36	5660	32	4606	32	3084	28	3037	38	3780	22
OK88767	7	3611	16	3121	11	2424	23	5630	26	5813	29	4888	15	2678	37	2930	43	3739	23
TX88V4524	14	2921	37	2955	17	2412	24	5669	24	5302	35	4736	24	3215	25	3527	26	3737	24
NE87409	31	3879	7	2398	34	1819	42	5358	31	6309	19	4976	11	3261	22	4217	1	3732	25
OK87542	5	4213	1	2575	27	2349	26	5437	29	6100	26	4704	26	3155	26	3150	35	3730	26
TX88V5433	16	3514	20	2739	23	2312	27	5678	22	4334	43	4610	31	3352	16	3251	33	3725	27
PI495594	3	2573	40	2273	39	2957	3	5787	19	6358	15	4941	12	2731	36	3898	8	3720	28
TX87V1613	13	3298	31	2564	28	2734	9	5310	35	5981	27	4367	39	2993	30	3680	20	3702	29
TX88V5440	11	3596	17	2686	25	2597	12	5749	20	4327	44	4707	25	3450	13	3108	36	3695	30
CO860094	23	3216	34	2133	41	1557	44	6047	13	8187	1	4829	18	3553	9	3691	18	3683	31
WI88-024	40	3520	18	2534	30	2248	31	5336	34	5649	33	4658	29	3460	12	3572	22	3674	32
NE88427	34	3871	8	1890	44	1908	40	5988	15	6223	22	4744	22	3495	11	3425	30	3657	33
OK87630	6	3672	12	2795	21	2500	18	5013	38	4368	42	4351	40	2744	35	3423	31	3608	34
T67	42	3768	10	3045	16	2566	14	3254	44	5481	34	4484	34	3389	14	2953	41	3600	35
TX84V1418HF	10	3615	15	2477	32	1948	39	4973	39	5753	31	4372	37	3319	19	2951	42	3578	36
TX86D1332	18	3419	24	3247	5	1974	38	3866	42	5772	30	4368	38	3329	18	3046	37	3500	37
OK88W833	8	3341	29	2447	33	2477	19	5667	25	4812	39	4048	41	1980	42	3028	39	3484	38
CO860086	22	3003	36	1910	43	1705	43	6148	9	6996	10	4692	27	2849	33	3824	13	3477	39
OK87W663	4	2782	38	2332	37	2375	25	5434	30	4753	40	4480	35	1940	43	3438	29	3385	40
CI13996	2	3284	32	2307	38	2188	33	4255	41	5831	28	4681	28	2978	32	3533	25	3370	41
TX86D1310	17	3513	21	2745	22	2113	35	3792	43	4484	41	4038	42	2981	31	3003	40	3350	42
CO850034	20	2192	42	2341	36	2473	20	5161	36	4914	38	3522	44	1256	45	3621	21	3321	43
TX88D3424	19	1323	45	2547	29	1851	41	5340	33	5223	36	4001	43	2383	41	2641	45	2964	44
CI1442	1	2044	43	1523	45	1221	45	2822	45	4316	45	2569	45	1493	44	2660	44	2190	45
MEAN		3328		2735		2379		5507		6097		4680		3105		3526		3735	
LSD(.05)		598		599		312		650		1481		581		558		551		375	
C.V.		11.1		13.5		8.1		7.3		15.0		7.6		11.1		9.6		10.3	

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		4		5		4		5		28	
KSSB-369-7	24	4037	1	3041	3	3291	14	6147	13	3220	11	3872	1
WI88-083	39	3656	7	3428	1	3553	3	5982	16	3169	13	3769	2
XH1231	36	3702	5	2922	8	3259	16	6583	3	3253	9	3762	3
TX89V4138	15	3816	2	2482	33	3008	29	6600	2	3235	10	3723	4
T21-3	43	3450	17	2849	13	3609	1	6231	9	3355	3	3709	5
T19-3	41	3584	10	3011	4	3478	4	5526	26	3326	4	3676	6
XH900	35	3711	4	2859	12	3142	25	5776	20	3462	1	3652	7
KS88H12-2	29	3371	26	2482	34	3468	6	6401	7	3097	16	3617	8
HBC197F	26	3774	3	2841	16	3358	12	5478	29	3094	17	3615	9
KSSB-192-3	25	3440	20	2842	15	2907	32	6558	4	3156	14	3608	10
XH1514	38	3440	19	2728	23	3289	15	6151	12	3299	5	3600	11
PI495594	3	3400	24	2568	28	3066	27	6228	10	3280	7	3590	12
TX88V4635	12	3522	14	2134	38	3223	20	6105	14	3286	6	3553	13
NE87615	30	3250	33	2741	22	3560	2	5906	18	3195	12	3538	14
CO850061	21	3338	27	2463	35	2890	34	6469	6	3269	8	3530	15
TX88V5433	16	3593	8	2973	7	3422	9	5201	39	2678	36	3517	16
TH901	44	3441	18	2904	9	3385	11	5465	30	2860	31	3514	17
TX88V5440	11	3482	15	2866	11	3239	17	5481	28	2877	29	3506	18
XH1322	37	3660	6	2989	6	3020	28	5283	37	2927	26	3501	19
NE88595	33	3133	38	2509	31	3390	10	6175	11	3149	15	3481	20
KS88H12-1	28	3408	22	2548	29	3470	5	5655	22	2774	34	3478	21
TH902	45	3556	11	2829	17	3200	23	5568	24	2411	43	3448	22
OK88767	7	3537	13	3004	5	2864	36	5699	21	2606	39	3446	23
OK88W833	8	3405	23	2805	18	2311	42	6486	5	2882	27	3440	24
TX88V4524	14	3581	9	2770	20	2936	30	5487	27	2955	23	3436	26
KS87H6	27	3418	21	2713	25	3454	7	5194	40	2879	28	3436	25
TX88V4636	9	3378	25	2032	40	3217	21	5985	15	2938	25	3411	28
NE87451	32	3330	28	2726	24	3184	24	5548	25	3053	20	3411	27
TX87V1613	13	3456	16	2525	30	2667	39	5911	17	2876	30	3396	29
TX84V1418HF	10	3327	29	2892	10	2877	35	5858	19	2569	41	3373	30
NE87409	31	2989	39	2411	36	3428	8	5444	33	3360	2	3372	31
OK87630	6	3550	12	2793	19	2571	40	5343	35	2599	40	3337	32
T67	42	3184	37	3085	2	3227	18	5115	42	2630	37	3336	33
WI88-024	40	3243	34	2506	32	3074	26	5449	32	3008	21	3310	34
OK87542	5	3323	30	2848	14	2890	33	5388	34	2466	42	3306	35
NE88427	34	2931	40	2749	21	3343	13	5287	36	2968	22	3272	36
CO860086	22	2791	42	1672	43	2909	31	6821	1	3089	18	3232	37
TX86D1310	17	3221	36	2694	26	2794	38	5094	43	2755	35	3205	38
CO860094	23	2856	41	1738	42	3215	22	6249	8	3068	19	3204	39
TX86D1332	18	3235	35	2683	27	2818	37	5270	38	2611	38	3200	40
OK87W663	4	3310	32	2293	37	2265	43	5585	23	2786	32	3186	41
CO850034	20	3316	31	2039	39	1936	44	5462	31	2940	24	3097	42
CI13996	2	2782	43	1832	41	3225	19	4918	44	2778	33	3002	43
TX88D3424	19	2732	44	1488	44	2405	41	5162	41	2325	44	2726	44
CI1442	1	1748	45	1118	45	1815	45	4108	45	2234	45	2062	45
MEAN		3341		2587		3059		5730		2950		3410	
LSD(.05)		526		695		439		1153		460		299	
C.V.		9.7		14.3		11.0		15.5		17.2		14.1	

Table 5. Summary of mean yields (kg/ha) and ranks for 12 wheats grown in the Southern Regional Performance Nursery at 26 sites in 1990 and 1991 with state means and ranks.

VARIETY OR PEDIGREE	C.I. OR SEL. NO.	ENTRY NO.	LINCOLN NEBRASKA		CLAY CENTER NEBRASKA		NORTH PLATTE NEBRASKA		SIDNEY NEBRASKA		NEBRASKA STATE MEAN	
NE68513/NE684457//Ctk/3/Brule	NE87615	30	3462	5	2818	3	2499	1	2771	2	2888	1
NS14/NS25//2*Vona	CO850061	21	3447	6	2555	7	2060	6	2465	4	2632	3
TAM-107	PI495594	3	3649	2	2136	8	2366	2	2319	5	2618	5
H15A13333/3/5*Led/Egl//Sage/4/TAM-105	KS87H6	27	3464	4	2936	1	2294	3	2808	1	2875	2
TAM-101/OK79286//Csm	OK87630	6	3670	1	2695	6	2119	5	2025	10	2627	4
Csm*3/3/Ntn/Largo//Csm	OK87W663	4	3555	3	2042	10	1813	10	1716	12	2281	9
Century sib/Csm	OK87542	5	3367	7	2774	5	1938	9	2172	8	2563	6
NS14/NS603//Newton/3/PB835	CO850034	20	3170	8	1852	11	1713	11	1858	11	2148	11
TAM-106/Collin	TX86D1332	18	3000	10	2834	2	1987	8	2186	7	2502	8
Thunderbird//Payne/Collin	TX86D1310	17	3145	9	2797	4	1994	7	2301	6	2559	7
Scout 66	CI13996	2	2142	11	2118	9	2207	4	2500	3	2242	10
Kharkof	CI1442	1	1748	12	1013	12	1637	12	2081	9	1620	12
	MEAN		3152		2381		2052		2265		2463	
	LSD(.05)		957		998		N.S.		N.S.		677	
	C.V.		12.0		18.5		18.2		14.4		15.5	

Table 5. Continued.

C.I. OR SEL. NO.	ENTRY NO.	STILLWATER OKLAHOMA		LAHOMA OKLAHOMA		GOODWELL OKLAHOMA		OKLAHOMA STATE MEAN		AKRON COLORADO		JULESBURG COLORADO		WALSH COLORADO		COLORADO STATE MEAN	
NE87615	30	2998	2	2769	6	5561	2	3776	1	4310	1	2429	4	3690	1	3476	1
CO850061	21	2112	10	2510	9	5574	1	3399	7	4212	2	2308	6	3553	3	3358	2
PI495594	3	2261	8	2812	5	5559	3	3544	5	4135	5	2281	8	3242	4	3219	4
KS87H6	27	3143	1	2845	4	5252	5	3747	2	4190	3	2695	1	3045	5	3310	3
OK87630	6	2655	6	2943	1	4957	8	3519	6	3654	8	2396	5	2947	7	2999	7
OK87W663	4	2787	5	2906	3	5414	4	3702	3	3823	7	1989	10	2931	8	2914	9
OK87542	5	2802	4	2940	2	5022	7	3588	4	4167	4	2488	3	2766	9	3140	5
CO850034	20	2259	9	2740	7	5147	6	3382	8	3494	10	1288	12	3571	2	2784	10
TX86D1332	18	2846	3	2276	10	3951	11	3024	10	3556	9	2584	2	2726	10	2955	8
TX86D1310	17	2579	7	2616	8	3999	10	3065	9	3444	11	2305	7	2527	11	2759	11
CI13996	2	1857	11	1805	11	4380	9	2681	11	3932	6	2135	9	3009	6	3025	6
CI1442	1	1391	12	1062	12	2947	12	1800	12	2370	12	1457	11	2453	12	2093	12
MEAN		2474		2519		4814		3269		3774		2196		3038		3003	
LSD(.05)		823		955		816		654		858		N.S.		638		N.S.	
C.V.		9.9		9.8		5.3		7.6		8.1		13.1		10.8		10.2	

Table 5. Continued.

C.I. OR SEL. NO.	ENTRY NO.	DALLAS TEXAS		PROSPER TEXAS		CHILLI-COTHE TEXAS		BUSHLAND (IRR.) TEXAS		BUSHLAND (DRYL.) TEXAS		TEXAS STATE MEAN		COLUMBIA* MISSOURI	
NE87615	30	1517	10	1714	10	3729	3	6536	5	1881	7	3075	9	899	11
C0850061	21	2167	8	1799	9	4050	2	6783	1	2146	2	3389	5	1317	7
PI495594	3	2399	6	2108	7	3690	4	6692	3	2316	1	3441	4	1837	1
KS87H6	27	1904	9	1915	8	3531	8	5987	8	1837	8	3035	10	1472	5
OK87630	6	2971	3	2910	2	3653	6	6277	6	2014	4	3565	1	1681	3
OK87W663	4	2756	5	2480	5	3637	7	6648	4	2037	3	3512	2	1569	4
OK87542	5	2855	4	2485	4	3663	5	6029	7	1678	11	3342	7	1754	2
C0850034	20	2314	7	2356	6	4209	1	6735	2	1750	10	3473	3	1388	6
TX86D1332	18	3423	1	2639	3	3014	11	5028	10	1837	9	3188	8	904	10
TX86D1310	17	3331	2	2939	1	3305	9	5233	9	1918	5	3345	6	1134	9
CI13996	2	937	11	1482	11	3207	10	4622	11	1884	6	2426	11	1146	8
CI1442	1	363	12	558	12	2087	12	3795	12	996	12	1560	12	529	12
MEAN		2209		2115		3481		5864		1858		3105		.	
LSD(.05)		620		447		986		939		530		704		.	
C.V.		12.4		10.1		9.3		7.2		15.9		10.2		.	

* Not included in regional averages.

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		ABERDEEN IDAHO		CRAWFORD-SVILLE * IOWA	
NE87615	30	5346	3	616	3	5298	4	3753	3	8323	4	2668	9
C0850061	21	5817	2	433	5	6174	1	4141	1	9786	1	.	.
PI495594	3	6370	1	637	2	5383	3	4130	2	8694	3	2850	8
KS87H6	27	5044	6	417	6	5452	2	3638	4	7057	10	3068	5
OK87630	6	4887	9	184	12	4586	8	3219	9	7994	6	3838	2
OK87W663	4	4935	8	332	9	5060	5	3443	5	8211	5	.	.
OK87542	5	4249	10	355	8	4362	10	2989	11	7634	7	.	.
C0850034	20	5257	4	319	10	4650	7	3409	6	9087	2	.	.
TX86D1332	18	4942	7	437	4	4734	6	3371	7	7371	8	.	.
TX86D1310	17	5114	5	414	7	4377	9	3302	8	7108	9	.	.
CI13996	2	4154	11	755	1	4273	11	3061	10	6334	12	1991	11
CI1442	1	3536	12	313	11	3980	12	2610	12	6364	11	1328	12
MEAN		4971		438		4861		3423		7830		.	
LSD(.05)		1157		N.S.		N.S.		805		1828		.	
C.V.		17.5		53.5		13.5		18.1		17.4		.	

* Not included in regional averages.

Table 5. Concluded.

C.I. OR SEL. NO.	ENTRY NO.	HAYS KANSAS		MANHATTAN KANSAS		COLBY KANSAS		GARDEN CITY KANSAS		KANSAS STATE MEAN		BROOKINGS S. DAKOTA		REGIONAL AVERAGE	
NE87615	30	3959	1	3199	9	5067	2	4575	1	4200	1	3223	1	3679	1
CO850061	21	3738	2	3468	5	4927	3	4321	2	4113	2	1160	11	3649	2
PI495594	3	3656	3	3488	4	4927	4	3986	5	4014	3	1616	8	3613	3
KS87H6	27	3582	5	3232	8	5121	1	3972	6	3977	4	3037	2	3532	4
OK87630	6	3243	7	3814	1	4361	7	3818	9	3809	6	1902	7	3445	5
OK87W663	4	3623	4	3517	3	4231	8	3891	8	3815	5	1487	9	3409	6
OK87542	5	3155	8	3421	6	4552	5	3998	4	3782	8	2414	3	3387	7
CO850034	20	3489	6	3723	2	3976	11	4041	3	3807	7	1110	12	3338	8
TX86D1332	18	2875	11	3374	7	4418	6	3599	10	3567	9	2049	5	3237	9
TX86D1310	17	3099	10	3074	10	4114	9	3455	11	3436	10	1957	6	3214	10
CI13996	2	3132	9	2298	11	4103	10	3924	7	3364	11	2386	4	2899	11
CI1442	1	2273	12	1246	12	2538	12	2905	12	2241	12	1416	10	2105	12
MEAN		3319		3145		4361		3874		3675		1991		3291	
LSD(.05)		665		835		1166		N.S.		608		1252		352	
C.V.		7.3		13.2		5.7		7.2		8.2		15.3		13.6	

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 1991 Southern Regional Performance Nursery grown at 28 locations.

C.I. OR SEL. NO.	ENTRY NO.	MEAN YIELD OVER LOCATIONS KG/HA	REGRESSION COEFFICIENT (B)	CORRELATION COEFFICIENT (R)	COEFFICIENT OF DETERMINATION (R^2)
KSSB-369-7	24	3872	1.01	0.98	0.96
WI88-083	39	3769	1.00	0.98	0.95
XH1231	36	3762	1.22	0.98	0.96
TX89V4138	15	3723	1.17	0.98	0.96
T21-3	43	3709	1.12	0.97	0.93
T19-3	41	3676	0.94	0.98	0.97
XH900	35	3652	1.03	0.98	0.97
KS88H12-2	29	3617	1.21	0.99	0.97
HBC197F	26	3615	0.92	0.96	0.92
KSSB-192-3	25	3608	1.13	0.96	0.91
XH1514	38	3600	1.14	0.98	0.96
PI495594	3	3590	1.06	0.97	0.94
TX88V4635	12	3553	1.20	0.98	0.97
NE87615	30	3538	1.03	0.97	0.94
CO850061	21	3530	1.11	0.97	0.95
TX88V5433	16	3517	0.81	0.95	0.90
TH901	44	3514	0.84	0.98	0.96
TX88V5440	11	3506	0.89	0.95	0.91
XH1322	37	3501	0.82	0.96	0.93
NE88595	33	3481	1.13	0.98	0.96
KS88H12-1	28	3478	1.03	0.97	0.95
TH902	45	3448	0.87	0.97	0.94
OK88767	7	3446	0.93	0.97	0.95
OK88W833	8	3440	1.14	0.94	0.89
TX88V4524	14	3436	0.94	0.97	0.94
KS87H6	27	3436	0.86	0.97	0.93
TX88V4636	9	3411	1.18	0.98	0.96
NE87451	32	3411	0.99	0.98	0.96
TX87V1613	13	3396	1.06	0.98	0.96
TX84V1418HF	10	3373	0.99	0.97	0.94
NE87409	31	3372	0.99	0.96	0.93
OK87630	6	3337	0.88	0.95	0.90
T67	42	3336	0.76	0.94	0.88
WI88-024	40	3310	0.95	0.99	0.97
OK87542	5	3306	0.93	0.97	0.95
NE88427	34	3272	0.92	0.93	0.87
CO860086	22	3232	1.33	0.96	0.93
TX86D1310	17	3205	0.77	0.94	0.88
CO860094	23	3204	1.30	0.96	0.91
TX86D1332	18	3200	0.78	0.94	0.89
OK87W663	4	3186	0.99	0.96	0.93
CO850034	20	3097	1.03	0.94	0.89
CI13996	2	3002	0.82	0.95	0.90
TX88D3424	19	2726	1.00	0.97	0.94
CI1442	1	2062	0.76	0.94	0.88

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 12 entries in the 1990 and 1991 Southern Regional Performance Nursery grown at 24 locations.

C.I. OR SEL. NO.	ENTRY NO.	MEAN YIELD OVER LOCATIONS KG/HA	REGRESSION COEFFICIENT (B)	CORRELATION COEFFICIENT (R)	COEFFICIENT OF DETERMINATION (R^2)
NE87615	30	3679	1.07	0.97	0.94
C0850061	21	3649	1.25	0.97	0.95
PI495594	3	3613	1.14	0.98	0.95
KS87H6	27	3532	0.97	0.96	0.92
OK87630	6	3445	1.02	0.97	0.94
OK87W663	4	3409	1.10	0.97	0.94
OK87542	5	3387	0.97	0.97	0.94
C0850034	20	3338	1.17	0.97	0.93
TX86D1332	18	3237	0.87	0.96	0.92
TX86D1310	17	3214	0.86	0.96	0.91
CI13996	2	2899	0.81	0.92	0.85
CI1442	1	2105	0.77	0.92	0.84