Table 2. Summary of mean yields (kg/ha) for 45 wheats grown in the 1997 Southern Regional Performance Nursery at 36 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	XH1881	37	4887	3	3327	5	4690	7	2603	8	3876	1
Kavkaz/TX86D1308//Sturdy/TAM-300	TX91D6856	8	4553	8	3062	7	5279	1	2457	17	3838	3
HBY756A/Sx1//2180	OK94P549	5	4979	2	2105	25	4654	8	2943	1	3670	6
Quantum Hybrid Wheat	XH1877	36	4194	14	2470	19	3764	33	2766	5	3299	17
TXGH12588/TX86D1317	TX91D6825	7	4699	6	2497	18	4436	13	2237	29	3467	11
1992 Nebraska Bulk Selection	G12017	45	4129	16	2457	20	4439	12	2735	6	3440	14
KS87H22/Mesa	KS94H147	19	3898	21	3620	2	4026	24	2504	13	3512	8
HBK0689	W94-320	31	4353	11	3495	4	4017	25	1937	42	3450	13
W13445*XW161/VW162)x244	HBG0358	9	3912	20	1592	38	4907	4	2490	14	3225	20
2180/Karl//2163	KS940935-1255	21	3853	22	2553	17	4896	5	2780	4	3521	7
Mesa/Carson	CO910424	16	3627	27	3046	8	3609	38	2833	2	3279	18
Bez1/Ctk78//Arthur/Ctk78/3/Bnt/4/Nkn	NE93427	26	4382	9	2401	22	3959	27	2089	34	3208	21
Quantum Hybrid Wheat	WX94-1604	35	4008	18	722	44	4775	6	2085	35	2897	35
KS82W418/Stephens	KS84W063-9393	23	4344	12	3540	3	5147	2	2432	18	3866	2
Quantum Hybrid Wheat	WX95-2401	38	3580	29	388	45	4174	19	2179	32	2580	39
KS82W422/SWM754308//KS831182/KS82W422	KS85W663-11-6	22	4178	15	3008	9	4577	9	2049	37	3453	12
BCD1828/83	G1594	43	3528	31	2408	21	3728	36	2468	16	3033	24
Colt/Victory//Sturdy/Amigo	W94-042	29	4371	10	3773	1	4412	14	2298	23	3713	5
Quantum Hybrid Wheat	WX94-3504	34	3493	33	1686	37	4147	20	2387	21	2928	31
Abilene/Norkan//Rawhide	NE94632	28	4248	13	2941	10	4326	18	2376	22	3473	10
Karl/HBY385D//2163	KS941064-6	20	4714	4	1840	34	4929	3	2423	19	3477	9
T200/HBB313E//2158	OK94P461	6	4997	1	1477	39	4577	9	2482	15	3383	15
KS831936-3//Colt/Cody	N95L158	24	3134	37	2795	11	3744	34	1964	40	2909	34
NE83407/3/FLN/ACC//ANA	TX94V2327	10	4714	4	3143	6	4483	11	2609	7	3737	4
Complex Pedigree	W94-137	30	3185	35	2661	14	3705	37	2018	39	2892	36
T67/T81	T94	42	3820	23	1959	29	3901	30	2271	27	2988	28
TAM-107/Caldwell	T86	40	3948	19	2737	12	3977	26	2410	20	3268	19
Complex Pedigree	W94-245	32	3737	25	1928	32	3791	31	2235	30	2923	32
Rio Blanco/Bai Quan #3039	TX95V4926	12	2993	40	2387	23	4405	15	2585	10	3092	22
G2148//Bezostaya/Plainsman 5	G1720	44	3593	28	1995	27	3943	28	2293	24	2956	29
NE85707/Thunderbird	NE93496	27	2784	42	2596	15	3338	41	1879	43	2649	38
NE85707/Thunderbird	NE93405	25	4075	17	1755	36	3737	35	2165	33	2933	30
Bulk Selection	W94-435	33	3663	26	2009	26	4400	16	1941	41	3003	27
NE83407/TX88V4834	TX95V4933	13	2914	41	2674	13	4100	21	2511	12	3050	23
Karl/T67	T93	41	3768	24	1935	31	4035	22	2282	25	3005	26
TX85V1326/Karl	TX94V2130	15	3141	36	1152	42	3358	40	2582	11	2558	40
Yuma-R21	CO940700	18	3028	39	1462	40	3338	41	2242	28	2517	42
T68/KS90WGRC10	T89	39	3558	30	1233	41	4369	17	2044	38	2801	37
Cimarron sib/Fundulea 133	OK93617	4	4604	7	1798	35	4028	23	2825	3	3314	16
TX88V4914/NE83407	TX95V5332	14	3501	32	2571	16	3932	29	2083	36	3022	25
Composite Cross	TX94V3329	11	3477	34	2123	24	3786	32	2282	25	2917	33
TAM-107 (PI495594)	TAM-107	3	3123	38	778	43	3297	43	2195	31	2348	43
Yuma/TAM-107	CO920696	17	2132	44	1970	28	3448	39	2587	9	2534	41
Scout 66 (CI13996)	SCOUT66	2	2204	43	1852	33	2928	44	1717	44	2175	44
Kharkof (CI1442)	KHARKOF	1	1065	45	1952	30	1845	45	1098	45	1490	45
	MEAN		3758		2264		4075		2319		3104	
	LSD(.05)		677		721		488		393		737	
	C.V.		11.0		19.5		7.3		10.4		11.6	

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		ALTUS OKLAHOMA		LAHOMA OKLAHOMA		GOODWELL OKLAHOMA		OKLAHOMA STATE MEAN	
XH1881	37	5360	4	3936	2	7655	3	5650	1	4272	3	4434	4	4917	6	4807	5	4608	3
TX91D6856	8	4951	10	2948	34	6438	17	4779	14	3829	8	4856	1	5326	2	5374	2	4846	1
OK94P549	5	5004	8	4154	1	6915	12	5358	5	3361	22	3317	23	5360	1	5555	1	4398	4
XH1877	36	4966	9	3653	3	7409	5	5343	6	3949	5	3565	17	3970	23	4543	10	4007	12
TX91D6825	7	4598	17	3251	20	6033	26	4627	23	4354	2	3876	14	5177	4	3873	28	4320	6
G12017	45	4005	34	3446	6	6248	23	4566	24	3753	11	4135	9	3859	27	3973	24	3930	15
KS94H147	19	3790	38	3178	24	6335	19	4434	29	3875	7	3790	16	4180	16	4110	20	3989	13
W94-320	31	4204	29	3239	21	6615	16	4686	20	3673	16	4111	10	3244	34	3947	25	3744	23
HBG0358	9	5154	6	3446	7	6145	24	4915	10	3700	14	3038	28	4523	14	4460	12	3930	16
KS940935-1255	21	5544	1	3431	9	6957	11	5311	7	3987	4	4166	8	5188	3	4196	19	4384	5
CO910424	16	5119	7	3320	15	5990	28	4810	13	3621	17	2911	31	3208	37	3845	29	3396	30
NE93427	26	4070	31	3002	32	4496	43	3856	40	3479	19	3819	15	4833	8	3974	23	4026	11
WX94-1604	35	4702	15	3182	23	6405	18	4763	15	3391	20	2478	38	3791	29	4203	18	3466	29
KS84W063-9393	23	4468	21	3174	25	5215	40	4286	36	4577	1	4473	3	4326	15	5143	3	4630	2
WX95-2401	38	4706	14	3526	4	7017	9	5083	8	3133	29	3022	29	3230	35	4003	22	3347	33
KS85W663-11-6	22	4108	30	3209	22	6283	21	4533	27	3712	13	3468	21	4950	5	4813	4	4236	7
G1594	43	4572	18	2734	41	7203	7	4836	11	3363	21	3360	22	3969	24	4445	13	3784	21
W94-042	29	3879	37	3446	7	5505	34	4277	37	3764	10	4204	7	4650	12	4307	17	4231	8
WX94-3504	34	5161	5	2611	44	6978	10	4917	9	2568	37	3486	20	4666	11	4544	9	3816	19
NE94632	28	4024	33	3006	31	5408	37	4146	38	3578	18	4268	5	4620	13	3736	30	4050	10
KS941064-6	20	4304	25	2986	33	7182	8	4824	12	2937	32	2620	37	4690	10	4617	8	3716	24
OK94P461	6	5460	2	3392	12	7608	4	5487	2	2819	35	2172	41	4788	9	4329	16	3527	28
N95L158	24	4438	23	2791	40	6816	13	4682	21	3888	6	4048	11	3965	25	3382	38	3821	18
TX94V2327	10	3274	42	2561	45	4219	45	3351	45	3822	9	4489	2	4085	19	4354	15	4187	9
W94-137	30	4847	12	3132	28	8151	2	5377	4	3685	15	3111	26	3013	39	3546	34	3339	35
T94	42	3944	35	3507	5	5517	33	4323	34	3305	25	2911	30	3755	30	3388	37	3340	34
T86	40	3216	43	2818	38	5476	36	3837	41	3730	12	4253	6	4117	18	3034	42	3784	22
W94-245	32	4549	19	3415	10	8200	1	5388	3	2868	34	2911	31	3694	31	4700	7	3543	27
TX95V4926	12	4514	20	3277	17	5804	31	4532	28	3162	28	3291	24	4022	20	4776	6	3813	20
G1720	44	4039	32	3170	26	5977	29	4396	30	3341	23	3560	18	3908	26	3941	26	3687	25
NE93496	27	4461	22	3086	29	6622	14	4723	18	2972	31	2820	36	3361	33	3519	35	3168	38
NE93405	25	4751	13	2841	37	5330	39	4308	35	3126	30	2903	33	3822	28	3553	33	3351	32
W94-435	33	4610	16	3262	19	6316	20	4729	17	3275	26	3529	19	3985	22	3688	31	3619	26
TX95V4933	13	3921	36	3369	14	5743	32	4344	32	3185	27	3950	13	4006	21	4386	14	3882	17
T93	41	3656	39	2726	42	5846	30	4076	39	2880	33	2859	34	3214	36	3300	39	3063	39
TX94V2130	15	4920	11	3006	30	6027	27	4651	22	2432	39	1953	44	2606	44	3389	36	2595	41
CO940700	18	4296	26	3320	15	5388	38	4334	33	1854	44	2064	43	3156	38	3139	41	2553	42
T89	39	4327	24	2650	43	7303	6	4760	16	2450	38	2842	35	4119	17	4088	21	3375	31
OK93617	4	5422	3	3155	27	5494	35	4690	19	3318	24	3104	27	4890	7	4500	11	3953	14
TX95V5332	14	3373	41	2937	35	4643	42	3651	42	2333	40	3247	25	3551	32	3895	27	3256	36
TX94V3329	11	3419	40	3385	13	6253	22	4352	31	2597	36	3974	12	2923	41	3212	40	3176	37
TAM-107	3	4215	27	2856	36	6618	15	4563	25	2071	43	2268	40	2744	42	2773	43	2464	43
CO920696	17	4208	28	3266	18	6139	25	4538	26	2278	41	2359	39	2932	40	3676	32	2811	40
SCOUT66	2	2780	45	2806	39	4972	41	3519	44	2170	42	2159	42	2622	43	2359	44	2328	44
KHARKOF	1	2929	44	3400	11	4292	44	3540	43	1684	45	1115	45	1582	45	2197	45	1644	45
MEAN		4361		3178		6204		4581		3247		3318		3945		3991		3625	
LSD(.05)		781		N.S.		1861		917		700		657		520		578		650	
C.V.		11.0		17.7		21.4		20.1		13.2		12.1		8.1		8.9		10.4	

Table 2. Continued.

C.I. OR SEL. NO.	ENTRY NO.	FORT COLLINS COLORADO		AKRON COLORADO		JULESBURG COLORADO		WALSH COLORADO		BURLINGTON COLORADO *		COLORADO STATE MEAN		GARDEN CITY KANSAS		WICHITA-II KANSAS	
XH1881	37	7211	3	3333	1	3576	2	3339	41	890	4	4365	3	2748	27	4652	5
TX91D6856	8	8051	1	2339	26	3068	12	4207	4	115	40	4416	2	3306	1	3687	18
OK94P549	5	7043	6	2387	21	2750	29	4355	1	222	32	4134	7	2802	23	3328	26
XH1877	36	6915	7	2260	30	2636	34	4059	11	368	21	3967	12	2531	37	3579	22
TX91D6825	7	5975	28	2669	10	3123	10	3443	40	55	42	3802	23	2777	26	4663	4
G12017	45	5428	39	2515	17	2855	24	3929	18	701	10	3682	29	2972	9	4067	12
KS94H147	19	6384	17	2796	6	3055	13	3961	15	609	12	4049	9	2928	13	4036	14
W94-320	31	7085	5	2438	19	3043	14	3636	36	662	11	4050	8	2921	14	3567	23
HBG0358	9	6814	9	2692	8	3206	6	3933	17	299	28	4161	6	3271	2	4988	1
KS940935-1255	21	6760	10	2226	33	2568	36	4137	8	314	26	3923	15	2477	38	4290	10
CO910424	16	7135	4	3294	2	3601	1	3677	28	830	8	4427	1	3033	7	3934	15
NE93427	26	6296	19	2589	14	2957	19	3895	21	556	15	3934	14	2842	19	4584	6
WX94-1604	35	5851	30	2540	15	3220	5	3916	20	570	14	3881	17	2392	42	4576	7
KS84W063-9393	23	5553	37	2138	34	3014	16	3043	45	208	35	3437	40	2074	45	4901	2
WX95-2401	38	6138	25	2603	13	3492	3	3213	44	355	23	3862	18	2946	12	4782	3
KS85W663-11-6	22	6687	11	2377	23	3018	15	3885	22	175	37	3992	11	2535	36	4466	8
G1594	43	6516	14	1830	40	2377	42	4225	2	67	41	3737	26	3082	5	3445	24
W94-042	29	5621	34	2333	27	2797	25	3713	27	429	19	3616	33	2972	9	2344	34
WX94-3504	34	6242	23	2323	28	2886	22	3873	23	324	24	3831	21	2374	43	4464	9
NE94632	28	6346	18	1865	38	2651	33	3663	32	449	17	3631	32	2621	32	2882	29
KS941064-6	20	5427	40	1853	39	2446	41	4071	9	295	29	3449	38	2396	41	4133	11
OK94P461	6	5544	38	1929	37	2610	35	3672	29	314	26	3439	39	2405	40	4054	13
N95L158	24	6536	13	2118	35	2663	31	3665	31	366	22	3745	25	2903	16	3429	25
TX94V2327	10	6059	26	2527	16	3146	9	3633	37	210	33	3841	20	2842	20	2668	31
W94-137	30	7794	2	2666	11	2911	21	3661	33	209	34	4258	5	2746	28	3679	19
T94	42	6255	21	2675	9	2885	23	4177	5	402	20	3998	10	2820	21	3675	20
T86	40	6514	15	1777	42	2524	40	3984	14	859	7	3700	28	2724	29	3208	27
W94-245	32	6292	20	2389	20	2752	28	3646	34	741	9	3770	24	3031	8	1736	40
TX95V4926	12	6003	27	1767	43	2699	30	3839	24	126	39	3577	34	2791	24	1964	37
G1720	44	5634	33	1517	45	2267	44	4172	6	49	44	3398	43	2547	35	3741	17
NE93496	27	5786	31	2237	31	3009	17	3666	30	43	45	3675	30	2789	25	2491	32
NE93405	25	6195	24	2441	18	3188	7	4045	12	283	30	3967	13	2616	33	1827	38
W94-435	33	6554	12	1785	41	3303	4	3938	16	55	43	3895	16	2813	22	2803	30
TX95V4933	13	5090	42	2236	32	2944	20	3809	25	317	25	3519	37	3181	3	1766	39
T93	41	5889	29	2000	36	2342	43	3497	39	444	18	3432	41	2616	34	3663	21
TX94V2130	15	5248	41	2305	29	2557	37	4015	13	602	13	3531	35	3087	4	3892	16
CO940700	18	6911	8	2990	4	2975	18	4214	3	1310	2	4273	4	2907	15	1249	45
T89	39	5579	35	2361	25	2547	38	3596	38	874	6	3521	36	2645	31	3108	28
OK93617	4	5652	32	1758	44	1970	45	3252	43	162	38	3158	44	2338	44	2340	35
TX95V5332	14	5555	36	2387	22	3070	11	3928	19	177	36	3735	27	3040	6	2349	33
TX94V3329	11	4757	43	3235	3	2527	39	4070	10	1649	1	3647	31	2966	11	1569	42
TAM-107	3	6245	22	2645	12	2763	27	3756	26	1014	3	3852	19	2717	30	1719	41
CO920696	17	6450	16	2865	5	2654	32	3281	42	878	5	3812	22	2890	17	1308	44
SCOUT66	2	3552	44	2769	7	3167	8	4159	7	455	16	3412	42	2854	18	2098	36
KHARKOF	1	2593	45	2368	24	2793	26	3639	35	271	31	2848	45	2475	39	1453	43
MEAN		6093		2381		2858		3811		451		3786		2772		3270	
LSD(.05)		1284		592		490		N.S.		331		N.S.		474		732	
C.V.		10.4		15.2		10.5		13.4		45.0		12.4		10.5		13.7	

* Not included in state or regional means.

Table 2. Continued.

C.I. OR SEL. NO.	ENTRY NO.	HUTCHINSON KANSAS		WICHITA-I KANSAS		WINFIELD KANSAS		SALINA KANSAS		HAYS KANSAS		MANHATTAN KANSAS		COLBY KANSAS		KANSAS STATE MEAN	
XH1881	37	3892	7	4977	7	4689	3	6644	4	4408	1	5947	1	4518	1	4719	1
TX91D6856	8	3526	18	4509	18	4074	16	6566	6	3843	10	4938	14	3940	6	4266	7
OK94P549	5	3477	21	4533	15	4123	15	5615	31	3732	16	4373	33	3656	18	3960	24
XH1877	36	3528	17	4953	9	4247	12	5696	25	3769	15	4923	15	3988	4	4135	14
TX91D6825	7	3712	10	5408	1	3851	22	6510	10	3457	27	5286	8	3480	28	4349	4
G12017	45	3356	27	4816	11	4726	1	6429	12	3998	2	5564	4	3782	12	4412	2
KS94H147	19	3329	29	5128	4	4548	7	6158	13	3857	9	5676	3	3882	9	4393	3
W94-320	31	3127	34	4974	8	3676	27	6537	8	3810	11	5174	11	3519	25	4145	12
HBG0358	9	2287	44	5260	3	3739	25	6023	16	3410	30	4201	37	3784	11	4107	17
KS940935-1255	21	3824	8	4359	20	4310	11	5981	18	3537	21	5683	2	3080	43	4171	10
CO910424	16	3508	19	5292	2	4582	6	5940	19	3786	14	4577	26	3698	16	4261	8
NE93427	26	3454	23	4218	21	3744	24	6537	8	3981	3	5553	5	3729	14	4294	6
WX94-1604	35	3663	13	3296	36	4480	10	6783	2	3803	12	5252	10	4003	3	4250	9
KS84W063-9393	23	4084	2	4524	16	4586	5	5669	28	3386	33	4752	24	3280	38	4140	13
WX95-2401	38	3925	5	4123	22	4485	9	6077	14	3410	30	5268	9	3930	7	4327	5
KS85W663-11-6	22	4062	3	4053	23	4233	13	6077	14	3104	41	5093	13	3540	23	4129	15
G1594	43	3416	25	4979	6	4521	8	5588	34	3278	37	4903	18	3383	32	4066	19
W94-042	29	3351	28	2863	40	3366	33	6671	3	3870	8	4634	25	3685	17	3751	30
WX94-3504	34	3672	12	5078	5	3551	30	6483	11	3070	42	4849	20	3252	39	4088	18
NE94632	28	3923	6	3768	27	3145	38	6918	1	3907	7	4844	21	3518	26	3947	25
KS941064-6	20	4109	1	3998	24	3730	26	6566	6	3524	24	5344	7	3283	37	4120	16
OK94P461	6	3593	14	4943	10	4633	4	5588	34	3578	19	5358	6	3223	40	4153	11
N95L158	24	2863	40	4522	17	4219	14	5994	17	3911	6	4905	17	3365	33	4012	23
TX94V2327	10	3295	30	3425	30	3208	36	6591	5	3477	26	5109	12	3957	5	3841	28
W94-137	30	3020	36	4536	14	4699	2	5154	39	3958	4	4510	28	3847	10	4017	22
T94	42	3703	11	4597	13	3777	23	5642	29	3803	12	4770	23	3452	29	4027	20
T86	40	3927	4	3690	29	3620	28	5804	21	3315	35	4918	16	3350	34	3840	29
W94-245	32	3454	23	3355	34	2912	41	5696	27	3440	29	4170	38	3630	19	3491	35
TX95V4926	12	3100	35	3374	33	3397	32	5615	30	2949	43	4208	36	3539	24	3437	38
G1720	44	3401	26	3962	25	4059	17	5723	24	3201	40	4885	19	3118	42	3848	26
NE93496	27	3726	9	3712	28	3520	31	5588	34	3403	32	4241	35	3191	41	3629	31
NE93405	25	3551	16	3180	37	2648	44	5750	22	3527	22	4501	29	3546	22	3461	37
W94-435	33	2981	37	3413	31	3338	34	5615	31	3336	34	4829	22	3297	36	3603	33
TX95V4933	13	2876	39	3830	26	3040	40	5696	25	3584	18	4055	41	3917	8	3549	34
T93	41	3488	20	4617	12	3984	18	5344	37	3302	36	4557	27	3039	44	3846	27
TX94V2130	15	3253	33	4378	19	3891	20	5615	31	3951	5	4376	32	3714	15	4017	21
CO940700	18	3257	32	2609	43	3267	35	5750	22	3504	25	4246	34	3749	13	3393	40
T89	39	3463	22	3382	32	3898	19	4721	41	3453	28	4423	31	3333	35	3603	32
OK93617	4	3571	15	3316	35	3862	21	5317	38	3215	39	4078	40	2781	45	3424	39
TX95V5332	14	3291	31	2971	39	2760	42	5914	20	3564	20	3977	43	3395	31	3473	36
TX94V3329	11	2641	42	3076	38	3600	29	4230	44	2794	44	4441	30	4024	2	3260	42
TAM-107	3	2955	38	2651	42	3148	37	5154	39	3527	22	3983	42	3580	20	3270	41
CO920696	17	2647	41	2847	41	2747	43	4530	42	3716	17	4113	39	3502	27	3144	43
SCOUT66	2	2517	43	2235	45	3086	39	4396	43	3278	38	3531	44	3564	21	3062	44
KHARKOF	1	2260	45	2528	44	2526	45	3472	45	2350	45	2414	45	3423	30	2545	45
MEAN		3379		4006		3783		5786		3535		4698		3566		3866	
LSD(.05)		391		954		805		596		692		799		484		481	
C.V.		7.1		11.8		13.0		6.3		9.7		10.4		8.3		10.1	

Table 2. Continued.

C.I. OR SEL. NO.	ENTRY NO.	LINCOLN NEBRASKA		CLAY CENTER NEBRASKA		NORTH PLATTE NEBRASKA		SIDNEY NEBRASKA		HEMING-FORD NEBRASKA		NEBRASKA STATE MEAN		COLUMBIA MISSOURI	
XH1881	37	3261	5	2476	11	4419	1	3646	1	3290	1	3418	1	4369	1
TX91D6856	8	3238	7	2659	8	4080	9	2814	4	2432	37	3045	4	3337	17
OK94P549	5	2697	31	2931	4	3879	16	2183	27	2657	23	2870	10	3342	16
XH1877	36	3248	6	2100	19	4158	7	2206	24	2401	38	2823	13	3740	10
TX91D6825	7	2987	21	2154	17	3992	12	2173	29	2062	43	2674	20	2705	37
G12017	45	3131	14	1425	30	3510	35	2192	26	2707	20	2593	27	3622	11
KS94H147	19	2321	42	735	42	3960	14	2209	23	2876	12	2420	35	3450	13
W94-320	31	2990	19	1571	26	3586	32	2484	11	2666	22	2659	22	2795	33
HBG0358	9	2800	26	1463	28	4193	5	2145	32	2582	27	2637	24	2782	34
KS940935-1255	21	2854	23	2177	15	3478	38	1516	45	1998	44	2405	38	2465	41
CO910424	16	3067	16	1462	29	3756	22	2256	22	2531	34	2614	26	3386	14
NE93427	26	3463	1	1909	22	4034	11	1858	41	2716	19	2796	16	4018	3
WX94-1604	35	3018	18	2367	12	4359	2	2031	36	3003	8	2956	7	3805	8
KS84W063-9393	23	3196	10	104	45	3966	13	2302	18	2821	15	2478	33	3833	6
WX95-2401	38	3290	4	1006	37	3480	37	2567	8	3265	2	2722	17	3941	4
KS85W663-11-6	22	2988	20	122	44	3324	43	2150	31	3021	7	2321	43	3365	15
G1594	43	2556	36	989	38	4220	4	2111	33	3079	5	2591	28	4255	2
W94-042	29	3124	15	1935	21	4351	3	2289	20	2337	39	2807	14	3006	25
WX94-3504	34	3170	11	1820	24	3642	28	1877	39	2673	21	2637	25	3828	7
NE94632	28	2967	22	3041	2	3841	17	1868	40	2610	26	2866	11	3802	9
KS941064-6	20	3203	9	2134	18	3754	23	1827	42	2582	27	2700	18	3114	22
OK94P461	6	2740	29	961	40	3454	39	2419	15	2446	36	2404	39	2909	28
N95L158	24	3324	3	2673	7	3814	19	2279	21	2737	18	2965	5	2712	36
TX94V2327	10	2438	38	1115	36	3708	25	2420	14	2828	14	2502	32	3549	12
W94-137	30	2846	25	789	41	3611	31	2174	28	2287	40	2341	42	2888	30
T94	42	3146	13	1879	23	3926	15	2495	10	3099	3	2909	9	3115	21
T86	40	2677	32	1986	20	3617	30	2152	30	2876	11	2662	21	3225	19
W94-245	32	2392	41	415	43	3639	29	2412	16	2632	24	2298	44	2994	26
TX95V4926	12	2417	39	2478	10	3500	36	2854	2	2979	9	2846	12	2735	35
G1720	44	3059	17	2269	14	3647	27	1612	43	2149	42	2547	30	2843	32
NE93496	27	3147	12	3508	1	4153	8	2068	35	2621	25	3099	3	2467	40
NE93405	25	3217	8	2643	9	4056	10	2302	18	2569	30	2957	6	2513	39
W94-435	33	2409	40	2155	16	3432	40	1991	37	2540	31	2505	31	1773	43
TX95V4933	13	2752	27	1383	31	3803	20	2780	5	2533	33	2650	23	3135	20
T93	41	2723	30	1228	34	3334	42	2098	34	2838	13	2444	34	3852	5
TX94V2130	15	2586	34	978	39	3527	34	2698	6	3068	6	2571	29	3319	18
CO940700	18	3390	2	2776	5	4183	6	2848	3	3087	4	3257	2	2600	38
T89	39	2575	35	1512	27	3345	41	1892	38	2761	17	2417	36	2860	31
OK93617	4	2606	33	1790	25	2762	45	1592	44	2156	41	2181	45	3104	23
TX95V5332	14	2749	28	2773	6	3833	18	2420	13	2803	16	2916	8	3035	24
TX94V3329	11	2504	37	1239	32	3552	33	2450	12	1970	45	2343	41	2962	27
TAM-107	3	2289	43	1119	35	3711	24	2383	17	2572	29	2415	37	2891	29
CO920696	17	2851	24	1237	33	3792	21	2677	7	2907	10	2693	19	2182	42
SCOUT66	2	2263	44	2997	3	3677	26	2525	9	2535	32	2800	15	1701	44
KHARKOF	1	1654	45	2343	13	3074	44	2199	25	2461	35	2346	40	1298	45
MEAN		2852		1796		3759		2277		2661		2669		3103	
LSD(.05)		611		923		599		545		N.S.		562		593	
C.V.		13.1		31.5		9.8		14.7		18.4		16.3		11.7	

Table 2. Concluded.

C.I. OR SEL. NO.	ENTRY NO.	PIERRE * S. DAKOTA		WINNER * S. DAKOTA		BROOKINGS S. DAKOTA		SOUTH DAKOTA STATE MEAN		CRAWFORD-SVILLE IOWA		LIND WASHINGTON		REGIONAL AVERAGE	
XH1881	37	3992	1	1623	4	6203	1	3939	1	3701	7	4529	12	4446	1
TX91D6856	8	3020	12	1475	6	5541	9	3345	7	4157	1	4983	4	4193	2
OK94P549	5	2228	29	670	39	5107	22	2668	33	3593	12	3755	31	3960	3
XH1877	36	1778	39	1163	21	4961	29	2634	35	3578	13	4197	19	3907	4
TX91D6825	7	3986	2	1255	16	5167	19	3469	3	3614	11	4285	18	3895	5
G12017	45	2477	20	527	43	4539	40	2514	41	4081	2	4929	5	3871	6
KS94H147	19	2421	22	1262	15	5154	20	2946	19	3975	3	3971	23	3870	7
W94-320	31	993	45	612	41	5358	12	2321	43	3482	18	6346	1	3867	8
HBG0358	9	2650	16	946	27	5819	3	3138	11	3283	26	4909	6	3847	9
KS940935-1255	21	3582	4	1641	3	5010	27	3411	5	3158	35	3216	44	3838	10
CO910424	16	1769	40	1394	9	5295	14	2819	28	3075	37	4466	14	3833	12
NE93427	26	2448	21	1054	25	5546	8	3016	12	3690	8	4376	16	3833	11
WX94-1604	35	2228	29	926	28	5786	4	2980	14	3550	15	4732	11	3823	13
KS84W063-9393	23	2847	13	1143	22	4039	44	2677	32	3465	20	3362	41	3786	14
WX95-2401	38	2087	36	912	30	5268	15	2756	29	3554	14	4806	8	3773	15
KS85W663-11-6	22	2594	18	729	36	4409	43	2577	38	3238	30	3819	29	3755	16
G1594	43	2504	19	917	29	5066	25	2829	27	3231	32	4799	9	3746	17
W94-042	29	3499	6	1264	14	5597	6	3454	4	3730	6	4095	22	3736	19
WX94-3504	34	2139	35	1345	11	5427	10	2970	16	3395	21	3617	37	3736	18
NE94632	28	3753	3	1224	18	4692	36	3223	8	3770	4	3738	32	3725	20
KS941064-6	20	3394	7	894	31	5351	13	3213	9	3497	17	3322	42	3724	21
OK94P461	6	1305	44	556	42	3932	45	1931	45	3194	33	4822	7	3700	22
N95L158	24	2020	37	2009	1	4876	33	2968	17	3233	31	3852	27	3684	23
TX94V2327	10	1614	41	85	45	4811	35	2170	44	3355	23	5310	2	3673	24
W94-137	30	2233	28	679	38	5172	18	2694	30	2942	40	3875	26	3661	25
T94	42	2809	14	1569	5	4571	39	2983	13	3512	16	4143	21	3648	26
T86	40	2179	33	1011	26	5414	11	2868	22	3753	5	3550	38	3585	27
W94-245	32	2244	27	1208	19	5062	26	2838	26	3277	28	4511	13	3511	28
TX95V4926	12	3080	10	892	32	4959	31	2977	15	3617	10	3733	33	3507	29
G1720	44	2275	25	1204	20	5068	24	2849	25	3122	36	3689	35	3498	30
NE93496	27	3513	5	1814	2	5575	7	3634	2	3634	9	3437	40	3497	31
NE93405	25	3165	9	1101	23	5902	2	3389	6	3480	19	3270	43	3486	32
W94-435	33	2295	24	1293	13	4977	28	2855	24	3255	29	3797	30	3485	33
TX95V4933	13	2253	26	818	33	4589	38	2553	40	3341	24	3630	36	3477	34
T93	41	2208	31	711	37	5138	21	2686	31	3363	22	4183	20	3442	35
TX94V2130	15	1363	43	1428	8	4961	29	2584	37	3062	38	3907	25	3423	36
CO940700	18	2192	32	760	34	4528	41	2493	42	2957	39	5218	3	3409	37
T89	39	2338	23	1089	24	5268	15	2898	20	2878	42	3920	24	3409	38
OK93617	4	2663	15	448	44	4642	37	2585	36	3159	34	3469	39	3390	39
TX95V5332	14	3208	8	1341	12	4880	32	3143	10	3282	27	3821	28	3390	40
TX94V3329	11	1793	38	742	35	5187	17	2574	39	2740	44	4397	15	3284	41
TAM-107	3	2141	34	1365	10	5098	23	2868	22	3312	25	4782	10	3210	42
CO920696	17	1580	42	661	40	5721	5	2654	34	2848	43	3110	45	3208	43
SCOUT66	2	2616	17	1237	17	4824	34	2892	21	2923	41	3708	34	2937	44
KHARKOF	1	3033	11	1444	7	4414	42	2963	18	2542	45	4287	17	2477	45
MEAN		2500		1077		5087		2888		3369		4148		3626	
LSD(.05)		1372		787		721		764		516		736		270	
C.V.		33.6		44.8		8.7		21.3		7.6		12.7		13.7	

* Not included in regional means.

Table 3. Summary of mean yields (kg/ha) and ranks for 45 wheats grown in the 1997 Southern Regional Performance Nursery at 26 locations from which a CV of 15.0 or less and a significant F test for entries were obtained.

VARIETY OR PEDIGREE	C.I. OR SEL. NO.	ENTRY NO.	PROSPER TEXAS		BUSHLAND (IRR.) TEXAS		BUSHLAND (DRYL.) TEXAS		CLOVIS (IRR.) NEW MEXICO		ALTUS OKLAHOMA	
Quantum Hybrid Wheat	XH1881	37	4887	3	4690	7	2603	8	5360	4	4434	4
Kavkaz/TX86D1308//Sturdy/TAM-300	TX91D6856	8	4553	8	5279	1	2457	17	4951	10	4856	1
TXGH12588/TX86D1317	TX91D6825	7	4699	6	4436	13	2237	29	4598	17	3876	14
Bez1/Ctk78//Arthur/Ctk78/3/Bnt/4/Nkn	NE93427	26	4382	9	3959	27	2089	34	4070	31	3819	15
HBY756A/Sx1//2180	OK94P549	5	4979	2	4654	8	2943	1	5004	8	3317	23
W13445*XW161/VW162)x244	HBG0358	9	3912	20	4907	4	2490	14	5154	6	3038	28
1992 Nebraska Bulk Selection	G12017	45	4129	16	4439	12	2735	6	4005	34	4135	9
KS82W418/Stephens	KS84W063-9393	23	4344	12	5147	2	2432	18	4468	21	4473	3
Quantum Hybrid Wheat	XH1877	36	4194	14	3764	33	2766	5	4966	9	3565	17
KS87H22/Mesa	KS94H147	19	3898	21	4026	24	2504	13	3790	38	3790	16
Quantum Hybrid Wheat	WX94-1604	35	4008	18	4775	6	2085	35	4702	15	2478	38
HBK0689	W94-320	31	4353	11	4017	25	1937	42	4204	29	4111	10
Quantum Hybrid Wheat	WX95-2401	38	3580	29	4174	19	2179	32	4706	14	3022	29
Mesa/Carson	CO910424	16	3627	27	3609	38	2833	2	5119	7	2911	31
2180/Karl//2163	KS940935-1255	21	3853	22	4896	5	2780	4	5544	1	4166	8
KS82W422/SWM754308//KS831182/KS82W422	KS85W663-11-6	22	4178	15	4577	9	2049	37	4108	30	3468	21
Quantum Hybrid Wheat	WX94-3504	34	3493	33	4147	20	2387	21	5161	5	3486	20
NE83407/3/FLN/ACC//ANA	TX94V2327	10	4714	4	4483	11	2609	7	3274	42	4489	2
BCD1828/83	G1594	43	3528	31	3728	36	2468	16	4572	18	3360	22
T200/HBB313E//2158	OK94P461	6	4997	1	4577	9	2482	15	5460	2	2172	41
Abilene/Norkan//Rawhide	NE94632	28	4248	13	4326	18	2376	22	4024	33	4268	5
Karl/HBY385D//2163	KS941064-6	20	4714	4	4929	3	2423	19	4304	25	2620	37
Colt/Victory//Sturdy/Amigo	W94-042	29	4371	10	4412	14	2298	23	3879	37	4204	7
KS831936-3//Colt/Cody	N95L158	24	3134	37	3744	34	1964	40	4438	23	4048	11
T67/T81	T94	42	3820	23	3901	30	2271	27	3944	35	2911	30
Complex Pedigree	W94-137	30	3185	35	3705	37	2018	39	4847	12	3111	26
TAM-107/Caldwell	T86	40	3948	19	3977	26	2410	20	3216	43	4253	6
G2148//Bezostaya/Plainsman 5	G1720	44	3593	28	3943	28	2293	24	4039	32	3560	18
Karl/T67	T93	41	3768	24	4035	22	2282	25	3656	39	2859	34
NE85707/Thunderbird	NE93405	25	4075	17	3737	35	2165	33	4751	13	2903	33
Complex Pedigree	W94-245	32	3737	25	3791	31	2235	30	4549	19	2911	31
Rio Blanco/Bai Quan #3039	TX95V4926	12	2993	40	4405	15	2585	10	4514	20	3291	24
Bulk Selection	W94-435	33	3663	26	4400	16	1941	41	4610	16	3529	19
NE83407/TX88V4834	TX95V4933	13	2914	41	4100	21	2511	12	3921	36	3950	13
Cimarron sib/Fundulea 133	OK93617	4	4604	7	4028	23	2825	3	5422	3	3104	27
TX85V1326/Karl	TX94V2130	15	3141	36	3358	40	2582	11	4920	11	1953	44
NE85707/Thunderbird	NE93496	27	2784	42	3338	41	1879	43	4461	22	2820	36
T68/KS90WGRC10	T89	39	3558	30	4369	17	2044	38	4327	24	2842	35
TX88V4914/NE83407	TX95V5332	14	3501	32	3932	29	2083	36	3373	41	3247	25
Yuma-R21	CO940700	18	3028	39	3338	41	2242	28	4296	26	2064	43
Composite Cross	TX94V3329	11	3477	34	3786	32	2282	25	3419	40	3974	12
TAM-107 (PI495594)	TAM-107	3	3123	38	3297	43	2195	31	4215	27	2268	40
Yuma/TAM-107	CO920696	17	2132	44	3448	39	2587	9	4208	28	2359	39
Scout 66 (CI13996)	SCOUT66	2	2204	43	2928	44	1717	44	2780	45	2159	42
Kharkof (CI1442)	KHARKOF	1	1065	45	1845	45	1098	45	2929	44	1115	45
	MEAN		3758		4075		2319		4361		3318	
	LSD(.05)		677		488		393		781		657	
	C.V.		11.0		7.3		10.4		11.0		12.1	

Table 3. Continued.

C.I. OR SEL. NO.	ENTRY NO.	STILLWATER OKLAHOMA		LAHOMA OKLAHOMA		GOODWELL OKLAHOMA		WINFIELD KANSAS		WICHITA-I KANSAS		HUTCHINSON KANSAS		WICHITA-II KANSAS		HAYS KANSAS	
XH1881	37	4272	3	4917	6	4807	5	4689	3	4977	7	3892	7	4652	5	4408	1
TX91D6856	8	3829	8	5326	2	5374	2	4074	16	4509	18	3526	18	3687	18	3843	10
TX91D6825	7	4354	2	5177	4	3873	28	3851	22	5408	1	3712	10	4663	4	3457	27
NE93427	26	3479	19	4833	8	3974	23	3744	24	4218	21	3454	23	4584	6	3981	3
OK94P549	5	3361	22	5360	1	5555	1	4123	15	4533	15	3477	21	3328	26	3732	16
HBG0358	9	3700	14	4523	14	4460	12	3739	25	5260	3	2287	44	4988	1	3410	30
G12017	45	3753	11	3859	27	3973	24	4726	1	4816	11	3356	27	4067	12	3998	2
KS84W063-9393	23	4577	1	4326	15	5143	3	4586	5	4524	16	4084	2	4901	2	3386	33
XH1877	36	3949	5	3970	23	4543	10	4247	12	4953	9	3528	17	3579	22	3769	15
KS94H147	19	3875	7	4180	16	4110	20	4548	7	5128	4	3329	29	4036	14	3857	9
WX94-1604	35	3391	20	3791	29	4203	18	4480	10	3296	36	3663	13	4576	7	3803	12
W94-320	31	3673	16	3244	34	3947	25	3676	27	4974	8	3127	34	3567	23	3810	11
WX95-2401	38	3133	29	3230	35	4003	22	4485	9	4123	22	3925	5	4782	3	3410	30
CO910424	16	3621	17	3208	37	3845	29	4582	6	5292	2	3508	19	3934	15	3786	14
KS940935-1255	21	3987	4	5188	3	4196	19	4310	11	4359	20	3824	8	4290	10	3537	21
KS85W663-11-6	22	3712	13	4950	5	4813	4	4233	13	4053	23	4062	3	4466	8	3104	41
WX94-3504	34	2568	37	4666	11	4544	9	3551	30	5078	5	3672	12	4464	9	3070	42
TX94V2327	10	3822	9	4085	19	4354	15	3208	36	3425	30	3295	30	2668	31	3477	26
G1594	43	3363	21	3969	24	4445	13	4521	8	4979	6	3416	25	3445	24	3278	37
OK94P461	6	2819	35	4788	9	4329	16	4633	4	4943	10	3593	14	4054	13	3578	19
NE94632	28	3578	18	4620	13	3736	30	3145	38	3768	27	3923	6	2882	29	3907	7
KS941064-6	20	2937	32	4690	10	4617	8	3730	26	3998	24	4109	1	4133	11	3524	24
W94-042	29	3764	10	4650	12	4307	17	3366	33	2863	40	3351	28	2344	34	3870	8
N95L158	24	3888	6	3965	25	3382	38	4219	14	4522	17	2863	40	3429	25	3911	6
T94	42	3305	25	3755	30	3388	37	3777	23	4597	13	3703	11	3675	20	3803	12
W94-137	30	3685	15	3013	39	3546	34	4699	2	4536	14	3020	36	3679	19	3958	4
T86	40	3730	12	4117	18	3034	42	3620	28	3690	29	3927	4	3208	27	3315	35
G1720	44	3341	23	3908	26	3941	26	4059	17	3962	25	3401	26	3741	17	3201	40
T93	41	2880	33	3214	36	3300	39	3984	18	4617	12	3488	20	3663	21	3302	36
NE93405	25	3126	30	3822	28	3553	33	2648	44	3180	37	3551	16	1827	38	3527	22
W94-245	32	2868	34	3694	31	4700	7	2912	41	3355	34	3454	23	1736	40	3440	29
TX95V4926	12	3162	28	4022	20	4776	6	3397	32	3374	33	3100	35	1964	37	2949	43
W94-435	33	3275	26	3985	22	3688	31	3338	34	3413	31	2981	37	2803	30	3336	34
TX95V4933	13	3185	27	4006	21	4386	14	3040	40	3830	26	2876	39	1766	39	3584	18
OK93617	4	3318	24	4890	7	4500	11	3862	21	3316	35	3571	15	2340	35	3215	39
TX94V2130	15	2432	39	2606	44	3389	36	3891	20	4378	19	3253	33	3892	16	3951	5
NE93496	27	2972	31	3361	33	3519	35	3520	31	3712	28	3726	9	2491	32	3403	32
T89	39	2450	38	4119	17	4088	21	3898	19	3382	32	3463	22	3108	28	3453	28
TX95V5332	14	2333	40	3551	32	3895	27	2760	42	2971	39	3291	31	2349	33	3564	20
CO940700	18	1854	44	3156	38	3139	41	3267	35	2609	43	3257	32	1249	45	3504	25
TX94V3329	11	2597	36	2923	41	3212	40	3600	29	3076	38	2641	42	1569	42	2794	44
TAM-107	3	2071	43	2744	42	2773	43	3148	37	2651	42	2955	38	1719	41	3527	22
CO920696	17	2278	41	2932	40	3676	32	2747	43	2847	41	2647	41	1308	44	3716	17
SCOUT66	2	2170	42	2622	43	2359	44	3086	39	2235	45	2517	43	2098	36	3278	38
KHARKOF	1	1684	45	1582	45	2197	45	2526	45	2528	44	2260	45	1453	43	2350	45
MEAN		3247		3945		3991		3783		4006		3379		3270		3535	
LSD(.05)		700		520		578		805		954		391		732		692	
C.V.		13.2		8.1		8.9		13.0		11.8		7.1		13.7		9.7	

Table 3. Continued.

C.I. OR SEL. NO.	ENTRY NO.	GARDEN CITY KANSAS		COLBY KANSAS		SALINA KANSAS		MANHATTAN KANSAS		LINCOLN NEBRASKA		NORTH PLATTE NEBRASKA		SIDNEY NEBRASKA		BROOKINGS S. DAKOTA	
XH1881	37	2748	27	4518	1	6644	4	5947	1	3261	5	4419	1	3646	1	6203	1
TX91D6856	8	3306	1	3940	6	6566	6	4938	14	3238	7	4080	9	2814	4	5541	9
TX91D6825	7	2777	26	3480	28	6510	10	5286	8	2987	21	3992	12	2173	29	5167	19
NE93427	26	2842	19	3729	14	6537	8	5553	5	3463	1	4034	11	1858	41	5546	8
OK94P549	5	2802	23	3656	18	5615	31	4373	33	2697	31	3879	16	2183	27	5107	22
HBG0358	9	3271	2	3784	11	6023	16	4201	37	2800	26	4193	5	2145	32	5819	3
G12017	45	2972	9	3782	12	6429	12	5564	4	3131	14	3510	35	2192	26	4539	40
KS84W063-9393	23	2074	45	3280	38	5669	28	4752	24	3196	10	3966	13	2302	18	4039	44
XH1877	36	2531	37	3988	4	5696	25	4923	15	3248	6	4158	7	2206	24	4961	29
KS94H147	19	2928	13	3882	9	6158	13	5676	3	2321	42	3960	14	2209	23	5154	20
WX94-1604	35	2392	42	4003	3	6783	2	5252	10	3018	18	4359	2	2031	36	5786	4
W94-320	31	2921	14	3519	25	6537	8	5174	11	2990	19	3586	32	2484	11	5358	12
WX95-2401	38	2946	12	3930	7	6077	14	5268	9	3290	4	3480	37	2567	8	5268	15
CO910424	16	3033	7	3698	16	5940	19	4577	26	3067	16	3756	22	2256	22	5295	14
KS940935-1255	21	2477	38	3080	43	5981	18	5683	2	2854	23	3478	38	1516	45	5010	27
KS85W663-11-6	22	2535	36	3540	23	6077	14	5093	13	2988	20	3324	43	2150	31	4409	43
WX94-3504	34	2374	43	3252	39	6483	11	4849	20	3170	11	3642	28	1877	39	5427	10
TX94V2327	10	2842	20	3957	5	6591	5	5109	12	2438	38	3708	25	2420	14	4811	35
G1594	43	3082	5	3383	32	5588	34	4903	18	2556	36	4220	4	2111	33	5066	25
OK94P461	6	2405	40	3223	40	5588	34	5358	6	2740	29	3454	39	2419	15	3932	45
NE94632	28	2621	32	3518	26	6918	1	4844	21	2967	22	3841	17	1868	40	4692	36
KS941064-6	20	2396	41	3283	37	6566	6	5344	7	3203	9	3754	23	1827	42	5351	13
W94-042	29	2972	9	3685	17	6671	3	4634	25	3124	15	4351	3	2289	20	5597	6
N95L158	24	2903	16	3365	33	5994	17	4905	17	3324	3	3814	19	2279	21	4876	33
T94	42	2820	21	3452	29	5642	29	4770	23	3146	13	3926	15	2495	10	4571	39
W94-137	30	2746	28	3847	10	5154	39	4510	28	2846	25	3611	31	2174	28	5172	18
T86	40	2724	29	3350	34	5804	21	4918	16	2677	32	3617	30	2152	30	5414	11
G1720	44	2547	35	3118	42	5723	24	4885	19	3059	17	3647	27	1612	43	5068	24
T93	41	2616	34	3039	44	5344	37	4557	27	2723	30	3334	42	2098	34	5138	21
NE93405	25	2616	33	3546	22	5750	22	4501	29	3217	8	4056	10	2302	18	5902	2
W94-245	32	3031	8	3630	19	5696	27	4170	38	2392	41	3639	29	2412	16	5062	26
TX95V4926	12	2791	24	3539	24	5615	30	4208	36	2417	39	3500	36	2854	2	4959	31
W94-435	33	2813	22	3297	36	5615	31	4829	22	2409	40	3432	40	1991	37	4977	28
TX95V4933	13	3181	3	3917	8	5696	25	4055	41	2752	27	3803	20	2780	5	4589	38
OK93617	4	2338	44	2781	45	5317	38	4078	40	2606	33	2762	45	1592	44	4642	37
TX94V2130	15	3087	4	3714	15	5615	31	4376	32	2586	34	3527	34	2698	6	4961	29
NE93496	27	2789	25	3191	41	5588	34	4241	35	3147	12	4153	8	2068	35	5575	7
T89	39	2645	31	3333	35	4721	41	4423	31	2575	35	3345	41	1892	38	5268	15
TX95V5332	14	3040	6	3395	31	5914	20	3977	43	2749	28	3833	18	2420	13	4880	32
CO940700	18	2907	15	3749	13	5750	22	4246	34	3390	2	4183	6	2848	3	4528	41
TX94V3329	11	2966	11	4024	2	4230	44	4441	30	2504	37	3552	33	2450	12	5187	17
TAM-107	3	2717	30	3580	20	5154	39	3983	42	2289	43	3711	24	2383	17	5098	23
CO920696	17	2890	17	3502	27	4530	42	4113	39	2851	24	3792	21	2677	7	5721	5
SCOUT66	2	2854	18	3564	21	4396	43	3531	44	2263	44	3677	26	2525	9	4824	34
KHARKOF	1	2475	39	3423	30	3472	45	2414	45	1654	45	3074	44	2199	25	4414	42
MEAN		2772		3566		5786		4698		2852		3759		2277		5087	
LSD(.05)		474		484		596		799		611		599		545		721	
C.V.		10.5		8.3		6.3		10.4		13.1		9.8		14.7		8.7	

Table 3. Concluded.

C.I. OR SEL. NO.	ENTRY NO.	FORT COLLINS COLORADO		JULESBURG COLORADO		COLUMBIA MISSOURI		CRAWFORD-SVILLE IOWA		LIND WASHINGTON		REGIONAL AVERAGE	
XH1881	37	7211	3	3576	2	4369	1	3701	7	4529	12	4591	1
TX91D6856	8	8051	1	3068	12	3337	17	4157	1	4983	4	4395	2
TX91D6825	7	5975	28	3123	10	2705	37	3614	11	4285	18	4093	3
NE93427	26	6296	19	2957	19	4018	3	3690	8	4376	16	4057	4
OK94P549	5	7043	6	2750	29	3342	16	3593	12	3755	31	4045	5
HBG0358	9	6814	9	3206	6	2782	34	3283	26	4909	6	4042	6
G12017	45	5428	39	2855	24	3622	11	4081	2	4929	5	4039	7
KS84W063-9393	23	5553	37	3014	16	3833	6	3465	20	3362	41	4034	8
XH1877	36	6915	7	2636	34	3740	10	3578	13	4197	19	4022	9
KS94H147	19	6384	17	3055	13	3450	13	3975	3	3971	23	4007	10
WX94-1604	35	5851	30	3220	5	3805	8	3550	15	4732	11	4001	11
W94-320	31	7085	5	3043	14	2795	33	3482	18	6346	1	3998	12
WX95-2401	38	6138	25	3492	3	3941	4	3554	14	4806	8	3981	13
CO910424	16	7135	4	3601	1	3386	14	3075	37	4466	14	3968	15
KS940935-1255	21	6760	10	2568	36	2465	41	3158	35	3216	44	3968	14
KS85W663-11-6	22	6687	11	3018	15	3365	15	3238	30	3819	29	3924	16
WX94-3504	34	6242	23	2886	22	3828	7	3395	21	3617	37	3897	17
TX94V2327	10	6059	26	3146	9	3549	12	3355	23	5310	2	3892	18
G1594	43	6516	14	2377	42	4255	2	3231	32	4799	9	3891	19
OK94P461	6	5544	38	2610	35	2909	28	3194	33	4822	7	3870	20
NE94632	28	6346	18	2651	33	3802	9	3770	4	3738	32	3861	21
KS941064-6	20	5427	40	2446	41	3114	22	3497	17	3322	42	3856	22
W94-042	29	5621	34	2797	25	3006	25	3730	6	4095	22	3856	23
N95L158	24	6536	13	2663	31	2712	36	3233	31	3852	27	3768	24
T94	42	6255	21	2885	23	3115	21	3512	16	4143	21	3753	25
W94-137	30	7794	2	2911	21	2888	30	2942	40	3875	26	3749	26
T86	40	6514	15	2524	40	3225	19	3753	5	3550	38	3718	27
G1720	44	5634	33	2267	44	2843	32	3122	36	3689	35	3623	28
T93	41	5889	29	2342	43	3852	5	3363	22	4183	20	3597	29
NE93405	25	6195	24	3188	7	2513	39	3480	19	3270	43	3592	30
W94-245	32	6292	20	2752	28	2994	26	3277	28	4511	13	3586	31
TX95V4926	12	6003	27	2699	30	2735	35	3617	10	3733	33	3585	32
W94-435	33	6554	12	3303	4	1773	43	3255	29	3797	30	3577	33
TX95V4933	13	5090	42	2944	20	3135	20	3341	24	3630	36	3576	34
OK93617	4	5652	32	1970	45	3104	23	3159	34	3469	39	3556	35
TX94V2130	15	5248	41	2557	37	3319	18	3062	38	3907	25	3554	36
NE93496	27	5786	31	3009	17	2467	40	3634	9	3437	40	3503	38
T89	39	5579	35	2547	38	2860	31	2878	42	3920	24	3503	37
TX95V5332	14	5555	36	3070	11	3035	24	3282	27	3821	28	3455	39
CO940700	18	6911	8	2975	18	2600	38	2957	39	5218	3	3433	40
TX94V3329	11	4757	43	2527	39	2962	27	2740	44	4397	15	3311	41
TAM-107	3	6245	22	2763	27	2891	29	3312	25	4782	10	3292	42
CO920696	17	6450	16	2654	32	2182	42	2848	43	3110	45	3239	43
SCOUT66	2	3552	44	3167	8	1701	44	2923	41	3708	34	2878	44
KHARKOF	1	2593	45	2793	26	1298	45	2542	45	4287	17	2357	45
MEAN		6093		2858		3103		3369		4148		3744	
LSD(.05)		1284		490		593		516		736		285	
C.V.		10.4		10.5		11.7		7.6		12.7		10.6	

Table 4. Summary of mean yields (kg/ha) and ranks of 45 wheats grown in the 1997 Southern Regional Performance Nursery for 6 intr-regional production zones (after Peterson, 1992).

C.I. OR SEL. NO.	ENTRY NO.	SOUTHERN PLAINS		CENTRAL PLAINS		NORTH-CENTRAL PLAINS		NORTHERN HIGH PLAINS		INTER-MOUNTAIN WEST		SOUTHERN HIGH PLAINS		REGIONAL AVERAGE	
NUMBER OF LOCATIONS		6		7		5		5		4		5		33	
XH1881	37	4421	2	4867	1	4317	1	3898	1	5671	2	3597	4	4446	1
TX91D6856	8	4484	1	4511	3	4107	2	3248	4	5476	4	3574	7	4193	2
OK94P549	5	3963	10	4338	16	3740	16	2971	24	5093	12	3852	1	3960	3
XH1877	36	3652	16	4331	17	3762	13	3050	18	5231	8	3595	6	3907	4
TX91D6825	7	4173	5	4496	4	3842	9	3087	16	4589	32	3261	25	3895	5
G12017	45	3795	14	4481	5	3748	15	2971	25	4828	21	3417	10	3871	6
KS94H147	19	3898	11	4452	6	3572	23	3181	8	4891	18	3272	23	3870	7
W94-320	31	3816	12	4234	20	3715	18	3014	23	5678	1	3187	31	3867	8
HBG0358	9	3612	19	4310	18	3513	27	3204	7	5113	10	3659	3	3847	9
KS940935-1255	21	4107	7	4357	14	3776	12	2574	42	4733	24	3674	2	3838	10
CO910424	16	3337	28	4413	7	3495	28	3321	3	5031	14	3596	5	3833	12
NE93427	26	3812	13	4356	15	4032	3	3033	20	4471	35	3180	32	3833	11
WX94-1604	35	3194	32	4401	10	3995	5	3230	5	4997	15	3255	26	3823	13
KS84W063-9393	23	4401	3	4613	2	3112	43	2940	28	4238	41	3038	40	3786	14
WX95-2401	38	2921	39	4401	11	3677	20	3214	6	5306	7	3314	18	3773	15
KS85W663-11-6	22	3982	9	4401	9	3170	41	2882	30	4952	17	3157	34	3755	16
G1594	43	3392	24	4239	19	3349	32	2784	34	5399	6	3416	11	3746	17
W94-042	29	4196	4	3825	29	3804	10	3091	15	4389	36	3262	24	3736	19
WX94-3504	34	3341	27	4409	8	3732	17	2796	33	4877	20	3281	21	3736	18
NE94632	28	3997	8	4040	25	3863	8	2749	37	4526	34	3138	37	3725	20
KS941064-6	20	3622	18	4382	13	3906	7	2632	41	4628	28	3236	29	3724	21
OK94P461	6	3472	22	4388	12	3237	37	2727	38	5105	11	3482	9	3700	22
N95L158	24	3596	20	4046	24	3802	11	2848	32	4985	16	3152	35	3684	23
TX94V2327	10	4123	6	3860	28	3365	30	3152	10	4604	30	2984	42	3673	24
W94-137	30	3227	31	4085	21	3252	36	3042	19	5527	3	3281	22	3661	25
T94	42	3275	29	4084	22	3575	22	3087	17	4754	23	3344	17	3648	26
T86	40	3794	15	3800	30	3750	14	2684	40	4604	31	3030	41	3585	27
W94-245	32	3155	34	3613	34	3063	44	2965	26	5409	5	3375	15	3511	28
TX95V4926	12	3377	26	3596	37	3536	24	2872	31	4630	27	3401	12	3507	29
G1720	44	3390	25	4004	26	3681	19	2432	44	4362	37	3244	28	3498	30
NE93496	27	2978	38	3709	33	4021	4	2931	29	4616	29	3176	33	3497	31
NE93405	25	3236	30	3434	39	3949	6	3107	13	4341	39	3284	20	3486	32
W94-435	33	3477	21	3596	36	3525	26	2761	36	4802	22	3313	19	3485	33
TX95V4933	13	3472	23	3597	35	3224	38	3136	12	4249	40	3358	16	3477	34
T93	41	3115	36	3957	27	3402	29	2562	43	4689	25	2956	43	3442	35
TX94V2130	15	2440	42	4053	23	3193	40	2960	27	4562	33	3522	8	3423	36
CO940700	18	2484	41	3253	40	3580	21	3349	2	5151	9	3396	14	3409	37
T89	39	3095	37	3731	32	3331	33	2696	39	4891	19	3052	39	3409	38
OK93617	4	3624	17	3732	31	3255	35	2173	45	4193	43	3398	13	3390	39
TX95V5332	14	3189	33	3535	38	3532	25	3021	21	4206	42	3072	38	3390	40
TX94V3329	11	3147	35	3017	43	3222	39	3157	9	4344	38	3224	30	3284	41
TAM-107	3	2380	43	3132	41	3160	42	3016	22	5054	13	3148	36	3210	42
CO920696	17	2520	40	3067	42	3354	31	3098	14	4652	26	3246	27	3208	43
SCOUT66	2	2322	44	2853	44	3308	34	3141	11	3692	44	2863	44	2937	44
KHARKOF	1	1541	45	2398	45	2673	45	2772	35	3409	45	2708	45	2477	45
MEAN		3434		3964		3560		2968		4777		3288		3626	
LSD(.05)		554		573		640		323		965		477		270	
C.V.		11.3		9.9		12.7		11.2		18.6		13.2		13.7	

Table 5. Summary of mean yields (kg/ha) and ranks for 11 wheats grown in the Southern Regional Performance Nursery at 23 sites in 1996 and 1997 with state means and ranks.

VARIETY OR PEDIGREE	C.I. OR SEL. NO.	ENTRY NO.	CLOVIS (IRR.) NEW MEXICO		CLOVIS (DRYL.) NEW MEXICO		FARMINGTON NEW MEXICO		NEW MEXICO STATE MEAN	
2180/Karl//2163	KS940935-1255	21	4011	1	2406	3	6722	1	4380	1
Mesa/Carson	CO910424	16	3628	3	2634	1	6461	3	4241	2
KS82W418/Stephens	KS84W063-9393	23	3015	8	2102	11	5346	9	3488	9
Bez1/Ctk78//Arthur/Ctk78/3/Bnt/4/Nkn	NE93427	26	3260	6	2203	8	5467	8	3643	7
Karl/HBY385D//2163	KS941064-6	20	3145	7	2194	9	6020	5	3787	6
KS82W422/SWM754308//KS831182/KS82W422	KS85W663-11-6	22	2979	9	2177	10	5696	6	3617	8
T68/KS90WGRC10	T89	39	3323	5	2278	7	6427	4	4009	4
NE85707/Thunderbird	NE93405	25	3718	2	2351	4	5615	7	3894	5
TAM-107 (PI495594)	TAM-107	3	3471	4	2318	5	6561	2	4117	3
Scout 66 (CI13996)	SCOUT66	2	2489	10	2473	2	5089	10	3350	10
Kharkof (CI1442)	KHARKOF	1	2081	11	2303	6	4003	11	2796	11
	MEAN		3193		2313		5764		3757	
	LSD(.05)		N.S.		N.S.		N.S.		N.S.	
	C.V.		13.5		19.8		15.7		17.2	

Table 5. Continued.

C.I. OR SEL. NO.	ENTRY NO.	STILLWATER OKLAHOMA		LAHOMA OKLAHOMA		GOODWELL OKLAHOMA		OKLAHOMA STATE MEAN		COLUMBIA* MISSOURI		FORT COLLINS * COLORADO		AKRON COLORADO		BURLINGTON COLORADO *	
KS940935-1255	21	3318	2	4216	1	5166	4	4233	1	2268	1	5129	3	3328	8	1087	8
CO910424	16	2998	3	3041	9	5248	2	3762	6	2046	3	5803	1	4022	1	1584	3
KS84W063-9393	23	3557	1	3541	6	5411	1	4170	2	2041	4	4827	7	3235	9	1115	7
NE93427	26	2980	4	4152	2	4811	7	3981	3	2086	2	5021	5	3469	7	1360	5
KS941064-6	20	2716	7	3763	5	5177	3	3885	5	1570	9	3880	9	3126	10	1049	9
KS85W663-11-6	22	2884	5	3882	3	5070	5	3945	4	1689	7	4966	6	3670	3	927	11
T89	39	2418	8	3850	4	4872	6	3714	7	1685	8	4588	8	3518	5	1754	2
NE93405	25	2842	6	3343	7	4483	8	3556	8	2033	5	5080	4	3504	6	1194	6
TAM-107	3	2350	9	3067	8	4338	9	3252	9	1778	6	5524	2	3814	2	1788	1
SCOUT66	2	2098	10	2816	10	3588	10	2834	10	1388	10	3278	10	3559	4	1491	4
KHARKOF	1	1584	11	2078	11	2852	11	2171	11	1157	11	2771	11	3060	11	982	10
MEAN		2704		3432		4638		3591		1795		4624		3482		1303	
LSD(.05)		N.S.		N.S.		1336		N.S.		N.S.		N.S.		N.S.		308	
C.V.		9.0		9.2		6.2		7.9		13.0		12.4		14.4		21.0	

* Not included in state or regional means.

Table 5. Continued.

C.I. OR SEL. NO.	ENTRY NO.	SIDNEY * NEBRASKA		HEMING-FORD NEBRASKA		PIERRE * S. DAKOTA		PROSPER TEXAS		CHILLI-COTHE TEXAS		BUSHLAND (IRR.) TEXAS		BUSHLAND (DRYL.) TEXAS		TEXAS STATE MEAN	
KS940935-1255	21	2239	10	3171	10	2661	6	4325	3	2950	1	5073	2	1760	1	3527	1
CO910424	16	3373	2	3367	5	2243	8	3843	8	2767	4	4583	5	1757	2	3238	5
KS84W063-9393	23	3301	3	3450	3	2098	9	4295	5	2768	3	4873	3	1441	5	3345	3
NE93427	26	2836	7	3583	1	2849	3	4301	4	2790	2	4439	7	1355	7	3221	6
KS941064-6	20	2080	11	3203	9	3357	2	4942	1	2460	8	5144	1	1462	4	3502	2
KS85W663-11-6	22	2383	9	3537	2	1355	11	4366	2	2752	5	4558	6	1348	8	3256	4
T89	39	3079	5	3310	6	1927	10	4091	7	2585	6	4641	4	1336	9	3163	7
NE93405	25	2992	6	3440	4	3602	1	4264	6	2357	9	3974	9	1407	6	3000	9
TAM-107	3	3620	1	3213	8	2749	5	3839	9	2566	7	4201	8	1631	3	3059	8
SCOUT66	2	3171	4	3302	7	2612	7	3380	10	2029	10	3719	10	1251	10	2595	10
KHARKOF	1	2728	8	2812	11	2774	4	2091	11	1960	11	2627	11	819	11	1875	11
MEAN		2891		3308		2566		3976		2544		4348		1415		3071	
LSD(.05)		N.S.		N.S.		N.S.		1300		N.S.		1277		N.S.		N.S.	
C.V.		13.1		14.1		28.2		8.1		22.5		6.0		16.1		12.1	

* 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		WICHITA KANSAS		WINFIELD KANSAS		KANSAS STATE MEAN		REGIONAL AVERAGE	
KS940935-1255	21	3843	2	3041	8	5596	1	2973	8	4392	2	3504	4	3892	3	3878	1
CO910424	16	3702	5	3402	1	4619	7	3507	1	4958	1	3809	2	4000	1	3797	2
KS84W063-9393	23	4118	1	3353	2	4868	4	3053	6	4235	3	3937	1	3927	2	3700	3
NE93427	26	3673	6	3197	6	5490	2	3035	7	4163	4	3354	5	3818	4	3651	4
KS941064-6	20	3838	3	2923	10	5066	3	2948	9	4048	5	3296	6	3686	5	3637	5
KS85W663-11-6	22	3830	4	2959	9	4842	5	2843	11	3686	6	3591	3	3625	6	3593	6
T89	39	3345	9	3093	7	4415	8	2883	10	3672	7	3202	7	3435	8	3514	7
NE93405	25	3622	7	3200	5	4690	6	3095	5	3465	8	2708	11	3463	7	3449	8
TAM-107	3	3362	8	3283	3	4339	9	3114	3	3308	9	3190	8	3433	9	3442	9
SCOUT66	2	2984	10	3274	4	3121	10	3294	2	2766	10	3033	9	3079	10	3015	10
KHARKOF	1	2689	11	2768	11	1660	11	3106	4	2498	11	2796	10	2586	11	2433	11
MEAN		3546		3136		4428		3077		3745		3311		3540		3464	
LSD(.05)		N.S.		N.S.		969		N.S.		1075		N.S.		N.S.		669	
C.V.		6.0		10.4		9.1		7.5		13.1		13.7		10.0		12.8	

Table 6. Mean yield, regression coefficient, coefficient of determination, and mean square deviations from linear regression of entry mean yield on location mean yield for the 45 entries in the 1997 Southern Regional Performance Nursery grown at 33 locations.

C.I. OR SEL. NO.	ENTRY NO.	REGIONAL AVERAGE KG/HA	REGRESSION COEFFICIENT (b)	COEFFICIENT OF DETERMINATION (r2)	DEVIATIONS FROM REGRESSION (mean square)
XH1881	37	4446	1.10	0.90	164841
TX91D6856	8	4193	1.15	0.87	223982
OK94P549	5	3960	1.07	0.84	262123
XH1877	36	3907	1.11	0.92	118867
TX91D6825	7	3895	1.03	0.83	252834
G12017	45	3871	0.97	0.86	183047
KS94H147	19	3870	1.04	0.85	225650
W94-320	31	3867	1.15	0.84	290823
HBG0358	9	3847	1.14	0.84	291692
KS940935-1255	21	3838	1.18	0.84	305059
CO910424	16	3833	0.99	0.83	229670
NE93427	26	3833	0.94	0.80	268185
WX94-1604	35	3823	1.13	0.84	288889
KS84W063-9393	23	3786	0.86	0.60	583610
WX95-2401	38	3773	1.13	0.81	346736
KS85W663-11-6	22	3755	1.10	0.83	287450
G1594	43	3746	1.16	0.89	188008
W94-042	29	3736	0.91	0.77	290529
WX94-3504	34	3736	1.18	0.88	213333
NE94632	28	3725	0.93	0.80	260360
KS941064-6	20	3724	1.15	0.86	253840
OK94P461	6	3700	1.19	0.80	410615
N95L158	24	3684	1.02	0.88	170595
TX94V2327	10	3673	0.87	0.68	422344
W94-137	30	3661	1.26	0.85	327589
T94	42	3648	0.89	0.92	83984
T86	40	3585	0.94	0.84	198409
W94-245	32	3511	1.24	0.86	287775
TX95V4926	12	3507	0.91	0.84	184815
G1720	44	3498	1.01	0.92	105390
NE93496	27	3497	0.91	0.79	255835
NE93405	25	3486	0.95	0.80	265599
W94-435	33	3485	1.08	0.92	127303
TX95V4933	13	3477	0.82	0.81	189843
T93	41	3442	0.98	0.90	129929
TX94V2130	15	3423	0.96	0.79	290717
CO940700	18	3409	0.90	0.63	547529
T89	39	3409	1.09	0.90	155329
OK93617	4	3390	0.98	0.79	297658
TX95V5332	14	3390	0.74	0.78	178363
TX94V3329	11	3284	0.82	0.70	336281
TAM-107	3	3210	1.08	0.81	325589
CO920696	17	3208	0.94	0.71	416825
SCOUT66	2	2937	0.53	0.46	388381
KHARKOF	1	2477	0.42	0.25	632945

Table 7. Mean yield, regression coefficient, coefficient of determination, and mean square deviations from linear regression of entry mean yield on location mean yield for the 11 entries in the 1996 and 1997 Southern Regional Performance Nursery grown at 18 locations.

C.I. OR SEL. NO.	ENTRY NO.	REGIONAL AVERAGE KG/HA	REGRESSION COEFFICIENT (b)	COEFFICIENT OF DETERMINATION (r2)	DEVIATIONS FROM REGRESSION (mean square)
KS940935-1255	21	3878	1.23	0.92	177319
CO910424	16	3797	1.09	0.86	243591
KS84W063-9393	23	3700	1.01	0.79	349990
NE93427	26	3651	1.02	0.86	217277
KS941064-6	20	3637	1.18	0.89	215387
KS85W663-11-6	22	3593	1.06	0.87	204638
T89	39	3514	1.12	0.91	163570
NE93405	25	3449	0.96	0.92	108680
TAM-107	3	3442	1.05	0.79	369227
SCOUT66	2	3015	0.76	0.72	290605
KHARKOF	1	2433	0.54	0.43	493550