

Table 2. Summary of mean yields (kg/ha) for 43 wheats grown at 33 locations in the 1999 Southern Regional Performance Nursery.

		Regional		Clovis (dryland) NM		Clovis (irrigated) NM		Farmington, NM		New Mexico State	
line	ENTRY	mean	rank	mean	rank	mean	rank	mean	rank	mean	rank
XH1888	40	4712	1	4846	2	6694	17	7305	7	6384	5
XH9806	41	4620	2	3732	34	7273	9	6849	17	6042	12
XH9815	42	4506	3	4608	6	4652	40	6790	18	5494	23
HBK0630-4-5	44	4456	4	4239	21	7620	2	5668	29	5825	16
W95-385	35	4375	5	4579	7	7722	1	6960	15	6474	4
Trego	18	4359	6	4277	19	6400	23	6133	26	5656	19
OK95616-14C	5	4319	7	4424	14	6012	27	6544	21	5748	18
OK96717	7	4312	8	4533	9	5326	32	5268	35	5065	37
OK94P549-2C	4	4297	9	4146	24	5202	35	5812	27	5129	35
W95-392	36	4294	10	4392	15	5566	29	6519	22	5595	20
TX95V5905	14	4261	11	4370	17	5047	38	6497	23	5424	28
OK95571	6	4255	12	4388	16	6529	22	5630	31	5527	22
OK95548-26C	8	4223	13	3703	36	5697	28	6347	25	5359	29
W95-091	37	4222	14	4264	20	6576	20	4014	43	4858	40
KS89180B-2-1-2	43	4211	15	4989	1	5446	30	4992	38	5127	36
G96047	23	4186	16	4364	18	7347	7	7062	9	6338	7
CO950043	17	4182	17	4138	26	6877	15	9107	1	6947	1
KS95H167-3	19	4177	18	3729	35	3452	43	8532	2	5567	21
KS96HW115	21	4168	19	3233	41	5268	33	7010	12	5354	30
TX95D8283	10	4168	20	3764	33	6586	19	7003	13	5906	15
KS96HW94	22	4159	21	4061	27	7142	11	4961	39	5345	31
CO940611	16	4152	22	3879	32	5183	36	7592	5	5755	17
TX93D2066	9	4147	23	3143	42	6768	16	7507	6	5976	13
W95-610W	39	4145	24	4708	3	6998	12	7029	11	6324	8
T108	31	4143	25	3956	29	6965	13	6988	14	6071	11
T112	33	4134	26	4478	10	7570	3	6428	24	6186	9
TX90A9528	11	4097	27	4192	22	7293	8	7919	3	6613	2
TX95V4339	13	4097	28	3939	30	6336	24	5570	32	5311	32
W94-480W	38	4081	29	4048	28	6276	25	7099	8	5937	14
TX94V5922	12	4064	30	4537	8	6663	18	7798	4	6479	3
NW97S151	45	4025	31	4441	13	7468	4	6936	16	6347	6
T111	32	3966	32	4154	23	6053	26	5527	33	5273	34
T114	34	3906	33	3928	31	5395	31	6715	19	5483	24
G96044	26	3854	34	4684	5	6543	21	7032	10	6181	10
NE96573	28	3780	35	4687	4	7219	10	4708	42	5455	26
G96135	25	3769	36	3256	40	6953	14	4844	40	5000	38
TAM-107	3	3759	37	3638	37	5210	34	6579	20	5286	33
NE95510	27	3735	38	3479	38	4708	39	5200	36	4536	42
G96134	24	3711	39	4456	12	7352	6	4745	41	5441	27
KS96HW10-3	20	3641	40	3281	39	7367	5	5721	28	5483	25
TX97V4311	15	3639	41	4466	11	5053	37	5175	37	4926	39
Scout 66	2	2982	42	4141	25	4177	41	5651	30	4756	41
Kharkof	1	2491	43	3113	43	4059	42	5502	34	4353	43
mean		4065		4011		6054		6267		5636	
l.s.d. (0.05)		264		1435		1856		1618		960	
c.v. (%)		14		22		19		18		19	

Table 2, contd.

		Regional		Bushland (drvland), TX		Bushland (irrigated) TX		Chillicothe, Texas		McGregor, Texas		Prosper, Texas		Texas State	
line	entry	mean	rank	mean	rank	mean	rank	mean	rank	mean	rank	mean	rank	mean	rank
XH1888	40	4712	1	4441	7	7432	2	4003	8	4489	6	4176	6	4882	2
XH9806	41	4620	2	4639	4	6845	12	3989	9	3403	21	3791	12	4463	8
XH9815	42	4506	3	4823	1	7338	4	4183	4	4062	11	4203	5	4868	3
HBK0630-4-5	44	4456	4	4470	6	6150	28	4198	3	3931	15	3466	17	4411	9
W95-385	35	4375	5	3743	25	5524	38	3503	18	5067	1	3470	16	4312	11
Trego	18	4359	6	3922	18	7090	7	3742	12	4666	3	4439	4	4765	4
OK95616-14C	5	4319	7	3885	20	5923	32	3595	15	3897	16	3963	9	4230	13
OK96717	7	4312	8	3275	37	6411	22	3439	21	3951	14	4109	7	4219	14
OK94P549-2C	4	4297	9	4086	11	7121	5	4219	1	4401	7	4781	1	4889	1
W95-392	36	4294	10	3125	40	5705	36	3730	13	4059	12	3784	13	4079	21
TX95V5905	14	4261	11	4030	13	6271	25	3952	10	4603	5	3847	10	4545	5
OK95571	6	4255	12	3556	30	6911	10	4006	7	2917	27	3818	11	4159	16
OK95548-26C	8	4223	13	3961	17	6793	16	4122	5	3859	17	3997	8	4503	6
W95-091	37	4222	14	3907	19	5972	30	3300	24	3988	13	3640	14	4151	17
KS89180B-2-1-2	43	4211	15	3882	21	5266	40	4211	2	4190	10	3136	24	4140	18
G96047	23	4186	16	4069	12	6802	14	3009	31	3575	19	3394	19	4132	19
CO950043	17	4182	17	4360	8	6768	17	3470	20	1120	42	2614	33	3507	34
KS95H167-3	19	4177	18	3239	38	6301	24	3687	14	4627	4	4479	3	4476	7
KS96HW115	21	4168	19	3974	14	6856	11	3287	25	2988	26	3461	18	4043	26
TX95D8283	10	4168	20	3807	23	5764	35	3432	22	4208	9	4573	2	4347	10
KS96HW94	22	4159	21	3517	31	7505	1	3093	27	3235	23	3098	25	4036	27
CO940611	16	4152	22	4329	9	6809	13	3402	23	2885	28	3311	20	4068	22
TX93D2066	9	4147	23	3693	27	5973	29	2779	38	4220	8	3560	15	4056	25
W95-610W	39	4145	24	4689	2	7359	3	3049	29	2690	30	2612	34	3993	28
T108	31	4143	25	3724	26	7051	9	3790	11	3159	25	3026	26	4088	20
T112	33	4134	26	3802	24	6415	21	3069	28	2413	34	2558	35	3574	32
TX90A9528	11	4097	27	3392	36	6377	23	2597	41	2416	33	2215	40	3338	36
TX95V4339	13	4097	28	3453	34	7111	6	4066	6	3765	18	3259	23	4295	12
W94-480W	38	4081	29	4675	3	7073	8	2758	40	1868	38	2638	32	3681	30
TX94V5922	12	4064	30	3879	22	6638	19	3536	17	3242	22	3273	22	4059	24
NW97S151	45	4025	31	4120	10	6801	15	3499	19	3190	24	3020	27	4067	23
T111	32	3966	32	3968	15	5580	37	3027	30	2325	35	2813	30	3466	35
T114	34	3906	33	2557	43	6714	18	3569	16	4687	2	3302	21	4198	15
G96044	26	3854	34	3463	33	6433	20	3122	26	2466	32	2813	30	3585	31
NE96573	28	3780	35	3963	16	6234	27	2947	35	1687	39	2381	38	3332	37
G96135	25	3769	36	2824	41	5331	39	2980	32	2645	31	2999	28	3311	38
TAM-107	3	3759	37	3440	35	5846	34	2952	33	2717	29	2923	29	3522	33
NE95510	27	3735	38	3596	29	5878	33	2949	34	1660	40	2190	41	3155	39
G96134	24	3711	39	3173	39	5067	41	2904	37	1883	37	2502	36	3029	41
KS96HW10-3	20	3641	40	3688	28	5965	31	2773	39	1991	36	1697	42	3146	40
TX97V4311	15	3639	41	4575	5	6242	26	2909	36	3504	20	2405	37	3901	29
Scout 66	2	2982	42	3487	32	4873	42	2109	42	1367	41	2219	39	2721	42
Kharkof	1	2491	43	2778	42	3672	43	1923	43	604	43	1394	43	1982	43
mean		4065		3803		6301		3343		3235		3234		3949	
l.s.d. (0.05)		264		920		955		743		582		380		731	
c.v. (%)		14		15		9		14		13		7		12	

Table 2, contd.

		Regional		Stillwater, Oklahoma		Goodwell, Oklahoma		Lahoma, Oklahoma		Altus, Oklahoma		Oklahoma State	
line	entry	mean	rank	mean	rank	mean	rank	mean	rank	mean	rank	mean	rank
XH1888	40	4712	1	3991	1	6495	10	3155	19	3719	3	4340	2
XH9806	41	4620	2	3526	8	6895	2	3246	16	3447	12	4279	6
XH9815	42	4506	3	3191	23	6794	5	3738	4	3493	9	4304	4
HBK0630-4-5	44	4456	4	3451	9	5739	29	3696	6	2888	31	3944	17
W95-385	35	4375	5	3883	2	5190	37	3832	3	3060	23	3991	14
Trego	18	4359	6	3397	11	6894	3	3327	12	3668	4	4321	3
OK95616-14C	5	4319	7	3209	22	6252	15	3720	5	3039	24	4055	11
OK96717	7	4312	8	3222	20	6354	12	4071	1	3515	7	4290	5
OK94P549-2C	4	4297	9	3445	10	6237	16	2986	24	3492	10	4040	12
W95-392	36	4294	10	3700	3	6327	13	3269	15	3174	19	4118	9
TX95V5905	14	4261	11	3680	4	5608	32	2354	37	4040	1	3920	19
OK95571	6	4255	12	3632	6	6360	11	3547	7	3160	20	4175	8
OK95548-26C	8	4223	13	3295	16	6567	9	2975	26	3387	13	4056	10
W95-091	37	4222	14	3562	7	5218	36	3895	2	2877	32	3888	21
KS89180B-2-1-2	43	4211	15	2917	29	5304	35	3509	8	2703	35	3608	29
G96047	23	4186	16	3371	13	5763	28	3391	10	3577	5	4026	13
CO950043	17	4182	17	3386	12	5778	27	1955	41	3016	25	3534	32
KS95H167-3	19	4177	18	3211	21	6273	14	2774	32	3542	6	3950	16
KS96HW115	21	4168	19	2998	28	6010	23	3359	11	3223	18	3897	20
TX95D8283	10	4168	20	2814	33	4608	39	2794	31	3078	22	3324	39
KS96HW94	22	4159	21	3356	15	6897	1	3466	9	3794	2	4378	1
CO940611	16	4152	22	2854	32	5935	24	3313	14	3011	26	3778	25
TX93D2066	9	4147	23	2043	42	6684	8	2540	35	2976	27	3561	31
W95-610W	39	4145	24	2655	37	6791	6	2240	39	3508	8	3798	24
T108	31	4143	25	2888	31	6021	22	3042	22	3315	14	3816	22
T112	33	4134	26	3364	14	5628	30	3315	13	2954	30	3815	23
TX90A9528	11	4097	27	2903	30	6690	7	2982	25	3287	16	3966	15
TX95V4339	13	4097	28	3668	5	6810	4	3200	17	3095	21	4193	7
W94-480W	38	4081	29	3068	27	5617	31	2949	27	3477	11	3778	26
TX94V5922	12	4064	30	3263	18	6183	17	3027	23	3293	15	3942	18
NW97S151	45	4025	31	2748	35	6023	21	2658	34	2960	29	3597	30
T111	32	3966	32	3107	25	4594	40	2927	28	2604	37	3308	40
T114	34	3906	33	3284	17	6141	18	2712	33	2968	28	3776	27
G96044	26	3854	34	2496	39	6110	19	2839	30	3237	17	3671	28
NE96573	28	3780	35	2663	36	5317	34	2458	36	2422	39	3215	41
G96135	25	3769	36	3068	26	4324	41	3173	18	2752	33	3329	38
TAM-107	3	3759	37	3225	19	5604	33	2281	38	2603	38	3428	35
NE95510	27	3735	38	3116	24	5916	25	3078	21	2006	42	3529	33
G96134	24	3711	39	2808	34	4971	38	3111	20	2616	36	3377	36
KS96HW10-3	20	3641	40	2639	38	5855	26	2907	29	2345	40	3437	34
TX97V4311	15	3639	41	2465	40	6095	20	2151	40	2729	34	3360	37
Scout 66	2	2982	42	2279	41	4193	42	1312	43	2236	41	2505	42
Kharkof	1	2491	43	1848	43	3384	43	1459	42	1608	43	2075	43
mean		4065		3069		5872		2919		3040		3760	
l.s.d. (0.05)		264		570		854		778		515		619	
c.v. (%)		14		11		9		16		10		11	

Table 2, contd.

		Regional		Manhattan, Kansas		Hays, Kansas		Colby, Kansas		Garden City, Kansas		Hutchinson, KS		Wichita, Kansas		Salina, Kansas		Kansas State	
line	entry	mean	rank	mean	rank	mean	rank	mean	rank	mean	rank	mean	rank	mean	rank	mean	rank	mean	rank
XH1888	40	4712	1	3160	14	6020	1	5937	3	6475	2	2622	18	1174	10	4497	3	4269	1
XH9806	41	4620	2	3332	7	5843	3	6056	1	5350	18	2835	12	1048	17	4371	7	4119	2
XH9815	42	4506	3	3072	19	5492	12	5005	22	5978	6	2752	15	1154	13	4072	21	3932	10
HBK0630-4-5	44	4456	4	3776	3	5960	2	4206	36	5696	10	3900	1	1058	16	3860	27	4065	4
W95-385	35	4375	5	3089	17	5313	16	4770	25	5121	31	2764	14	933	26	4217	15	3744	19
Trego	18	4359	6	2480	33	5601	7	6020	2	5584	13	2533	22	823	30	4154	17	3885	12
OK95616-14C	5	4319	7	3077	18	5761	5	5224	14	5779	8	3243	5	992	22	3899	24	3997	6
OK96717	7	4312	8	3231	12	5693	6	5266	13	6518	1	3308	3	608	33	4079	19	4101	3
OK94P549-2C	4	4297	9	2817	24	5774	4	5806	4	6210	3	2592	19	499	36	4340	9	4006	5
W95-392	36	4294	10	3314	8	4934	31	5108	16	5258	23	2894	11	1228	6	4870	1	3944	9
TX95V5905	14	4261	11	3628	5	5288	17	5275	11	5178	26	3172	6	380	38	4233	13	3879	13
OK95571	6	4255	12	3202	13	5283	19	5283	10	6023	4	2823	13	925	27	4202	16	3963	8
OK95548-26C	8	4223	13	3142	15	4977	30	4146	37	5147	28	2923	10	987	23	4533	2	3694	24
W95-091	37	4222	14	3882	1	5563	8	4594	27	5347	19	3267	4	1165	11	3479	39	3899	11
KS89180B-2-1-2	43	4211	15	3006	21	5266	20	4790	23	5551	14	2669	17	1128	15	3576	36	3712	23
G96047	23	4186	16	3131	16	5528	10	5074	20	5442	16	1622	39	1209	9	3443	40	3635	27
CO950043	17	4182	17	3255	10	5157	25	4327	35	5528	15	2699	16	566	34	3779	32	3616	28
KS95H167-3	19	4177	18	2953	22	4691	37	5146	15	5281	20	2190	31	208	41	4096	18	3509	30
KS96HW115	21	4168	19	3255	11	5499	11	5095	17	6002	5	2421	26	1222	7	4468	4	3994	7
TX95D8283	10	4168	20	3758	4	5199	22	4773	24	5248	24	3018	8	620	32	3870	26	3784	16
KS96HW94	22	4159	21	2847	23	5108	27	5338	9	5364	17	2308	29	1299	4	4458	5	3817	15
CO940611	16	4152	22	2734	25	5232	21	5602	7	5836	7	2521	23	958	24	4043	22	3847	14
TX93D2066	9	4147	23	2722	26	4859	33	5087	18	5134	29	2592	20	408	37	3650	34	3493	31
W95-610W	39	4145	24	2408	35	5364	14	5270	12	5654	11	1243	42	957	25	4217	14	3588	29
T108	31	4143	25	2687	28	5407	13	4452	30	5716	9	2077	33	1357	3	4301	12	3714	22
T112	33	4134	26	3575	6	4865	32	4359	34	5130	30	2935	9	1497	2	3858	28	3746	18
TX90A9528	11	4097	27	2273	37	5362	15	4728	26	5270	21	1965	36	523	35	4318	11	3491	32
TX95V4339	13	4097	28	3018	20	5127	26	5054	21	5245	25	2568	21	1015	18	4321	10	3764	17
W94-480W	38	4081	29	2610	31	5067	28	5078	19	5608	12	2267	30	1163	12	3834	30	3661	25
TX94V5922	12	4064	30	2616	30	5554	9	5569	8	5052	33	2337	28	998	20	3887	25	3716	21
NW97S151	45	4025	31	2503	32	4533	39	4579	28	4684	40	1911	38	906	29	3626	35	3249	39
T111	32	3966	32	3823	2	4777	36	3965	39	4935	37	3367	2	1499	1	3691	33	3722	20
T114	34	3906	33	1935	40	5181	24	3988	38	5037	34	1971	35	731	31	3556	37	3200	41
G96044	26	3854	34	2314	36	4546	38	4428	31	4708	39	2349	27	1009	19	4352	8	3387	36
NE96573	28	3780	35	1894	41	4855	34	4506	29	5266	22	2000	34	330	39	3797	31	3236	40
G96135	25	3769	36	3314	8	4218	41	3561	42	4545	41	3042	7	1221	8	3498	38	3343	37
TAM-107	3	3759	37	2438	34	5056	29	3916	40	5153	27	2486	24	278	40	3981	23	3330	38
NE95510	27	3735	38	2710	27	4391	40	4396	32	5001	35	1935	37	1261	5	4431	6	3447	34
G96134	24	3711	39	2687	29	4851	35	4363	33	5101	32	2178	32	1142	14	3835	29	3451	33
KS96HW10-3	20	3641	40	2178	38	5183	23	5686	6	4933	38	1604	40	922	28	3438	41	3421	35
TX97V4311	15	3639	41	2137	39	5285	18	5698	5	4956	36	2456	25	994	21	4075	20	3657	26
Scout 66	2	2982	42	1385	42	3943	42	3714	41	3603	42	1349	41	199	42	3301	42	2499	42
Kharkof	1	2491	43	1320	43	3388	43	3029	43	2866	43	911	43	106	43	2221	43	1977	43
mean		4065		2830		5047		4748		5217		2455		886		3939		3640	
l.s.d. (0.05)		264		650		701		420		882		608		256		644		441	
c.v. (%)		14		14		9		5		10		15		18		10		11	

Table 2, contd.

		Regional		Fort Collins, Colorado		Walsh, Colorado		Akron, Colorado		Julesburg, Colorado		Burlington, Co		Colorado State	
line	entry	mean	rank	mean	rank	mean	rank	mean	rank	mean	rank	mean	rank	mean	rank
XH1888	40	4712	1	7118	1	4874	3	4980	4	4426	1	2832	31	4684	2
XH9806	41	4620	2	6401	3	4933	2	4602	14	3832	16	4179	2	4789	1
XH9815	42	4506	3	5185	34	4106	18	4921	5	3798	20	3555	12	4313	12
HBK0630-4-5	44	4456	4	6115	8	4316	12	4168	31	3947	11	3706	8	4450	7
W95-385	35	4375	5	6579	2	3986	25	4302	24	4053	6	3801	6	4544	4
Trego	18	4359	6	4812	41	5073	1	4196	29	4207	4	3084	25	4274	14
OK95616-14C	5	4319	7	5183	35	4529	8	4087	32	3826	17	3664	9	4258	15
OK96717	7	4312	8	5137	36	3877	27	3989	34	3854	14	3353	16	4042	28
OK94P549-2C	4	4297	9	5089	37	4087	20	4725	10	4039	8	2969	27	4182	20
W95-392	36	4294	10	6159	7	4580	7	4473	17	3994	9	3963	3	4634	3
TX95V5905	14	4261	11	5792	13	3703	30	3913	38	3826	18	3823	5	4099	25
OK95571	6	4255	12	5655	19	4206	15	4241	26	4048	7	2605	36	4147	22
OK95548-26C	8	4223	13	6103	9	3165	38	4437	18	3779	23	3577	10	4212	18
W95-091	37	4222	14	6053	10	3552	35	4398	20	4188	5	3272	18	4292	13
KS89180B-2-1-2	43	4211	15	5487	25	4140	16	4339	22	3591	29	4479	1	4407	10
G96047	23	4186	16	5277	29	3840	29	3527	40	3793	22	3017	26	3891	33
CO950043	17	4182	17	6249	6	4667	5	4526	16	4249	3	3574	11	4539	5
KS95H167-3	19	4177	18	5590	22	4725	4	4591	15	3490	32	3888	4	4457	6
KS96HW115	21	4168	19	5891	12	3669	32	4997	3	3686	26	2950	28	4239	16
TX95D8283	10	4168	20	5283	28	3356	37	4420	19	3322	39	3204	20	3917	32
KS96HW94	22	4159	21	5718	15	3602	34	5017	2	3849	15	2636	35	4053	27
CO940611	16	4152	22	5699	17	4246	14	4613	13	3653	27	2807	32	4204	19
TX93D2066	9	4147	23	5990	11	3997	24	4227	27	3577	30	2924	29	4143	23
W95-610W	39	4145	24	5523	24	4627	6	4218	28	3885	13	3731	7	4397	11
T108	31	4143	25	5262	30	4042	21	4171	30	4322	2	3087	24	4177	21
T112	33	4134	26	5577	23	3104	40	4681	11	3947	11	3232	19	4108	24
TX90A9528	11	4097	27	6340	5	4294	13	4653	12	3798	20	3146	21	4446	8
TX95V4339	13	4097	28	5708	16	3966	26	4350	21	3815	19	2471	38	4062	26
W94-480W	38	4081	29	5755	14	4476	9	5288	1	3241	40	3381	14	4428	9
TX94V5922	12	4064	30	5682	18	4126	17	3919	36	3695	25	2644	34	4013	29
NW97S151	45	4025	31	5603	21	3661	33	4882	6	3569	31	3468	13	4236	17
T111	32	3966	32	5632	20	3160	39	2913	43	3994	9	3328	17	3805	38
T114	34	3906	33	5481	26	3454	36	4274	25	3092	41	3112	23	3883	34
G96044	26	3854	34	5465	27	4000	23	4011	33	3339	37	2302	39	3823	37
NE96573	28	3780	35	6344	4	4344	10	4784	9	3431	34	1807	43	3985	30
G96135	25	3769	36	4933	39	2798	41	4316	23	3605	28	3358	15	3802	39
TAM-107	3	3759	37	5249	31	3865	28	4790	8	3482	33	2008	42	3879	35
NE95510	27	3735	38	5190	33	3697	31	3916	37	3381	35	3143	22	3865	36
G96134	24	3711	39	4834	40	2753	43	4843	7	3330	38	2678	33	3688	40
KS96HW10-3	20	3641	40	4984	38	4339	11	3938	35	3776	24	2588	37	3925	31
TX97V4311	15	3639	41	5227	32	4090	19	3182	42	3342	36	2059	40	3580	41
Scout 66	2	2982	42	3804	42	4008	22	3807	39	2997	42	2871	30	3497	42
Kharkof	1	2491	43	3763	43	2793	42	3185	41	2364	43	2011	41	2756	43
mean		4065		5504		3906		4276		3688		3063		4120	
l.s.d. (0.05)		264		835		939		1133		626		1123		558	
c.v. (%)		14		9		15		16		10		22		14	

Table 2, contd.

		Regional		Lincoln, Nebraska		Clay Center, Nebraska		North Platte, Nebraska		Alliance, Nebraska		Nebraska State	
line	ENTRY	mean	rank	mean	rank	mean	rank	mean	rank	mean	rank	mean	rank
XH1888	40	4712	1	5313	3	2870	5	4046	23	4028	6	4064	5
XH9806	41	4620	2	5235	7	3053	3	4989	3	3569	18	4212	2
XH9815	42	4506	3	5110	10	2094	23	4514	8	4235	2	3988	7
HBK0630-4-5	44	4456	4	5220	8	3524	1	4353	10	3478	22	4144	3
W95-385	35	4375	5	4279	29	2464	17	4256	12	3595	17	3648	17
Trego	18	4359	6	4816	16	2153	22	4345	11	4171	3	3871	9
OK95616-14C	5	4319	7	5341	2	2553	12	3685	36	3624	15	3801	12
OK96717	7	4312	8	5272	4	3181	2	5055	2	3484	21	4248	1
OK94P549-2C	4	4297	9	4682	21	1949	30	3915	31	3671	12	3554	26
W95-392	36	4294	10	3960	37	2072	25	4226	14	3234	34	3373	35
TX95V5905	14	4261	11	4947	14	2400	19	3973	30	2804	41	3531	27
OK95571	6	4255	12	4321	28	1806	35	4144	18	4080	4	3588	22
OK95548-26C	8	4223	13	4100	34	2753	8	3915	32	3295	29	3516	29
W95-091	37	4222	14	5251	5	2767	7	4198	15	3338	26	3888	8
KS89180B-2-1-2	43	4211	15	4722	20	3020	4	4799	5	3880	8	4105	4
G96047	23	4186	16	4243	30	2659	9	4116	19	3441	24	3615	20
CO950043	17	4182	17	4818	15	2462	18	4514	7	4358	1	4038	6
KS95H167-3	19	4177	18	5135	9	2022	28	3994	28	3322	28	3618	19
KS96HW115	21	4168	19	5017	11	1891	32	4192	17	3180	35	3570	25
TX95D8283	10	4168	20	4729	19	2547	13	4432	9	3603	16	3828	10
KS96HW94	22	4159	21	4537	25	1949	31	3639	37	3449	23	3394	34
CO940611	16	4152	22	4971	13	2497	15	3054	42	3561	19	3521	28
TX93D2066	9	4147	23	4805	17	1954	29	4255	13	3280	30	3573	24
W95-610W	39	4145	24	4490	26	2059	26	4888	4	3054	40	3623	18
T108	31	4143	25	5530	1	2317	20	3629	38	3237	33	3678	15
T112	33	4134	26	4212	32	2634	10	4061	21	3420	25	3582	23
TX90A9528	11	4097	27	3995	36	1560	38	5316	1	4035	5	3726	13
TX95V4339	13	4097	28	3846	39	2083	24	4055	22	3161	36	3286	38
W94-480W	38	4081	29	5249	6	1662	36	4004	27	3830	10	3686	14
TX94V5922	12	4064	30	4416	27	1870	33	4192	16	2720	42	3299	37
NW97S151	45	4025	31	3290	41	2171	21	4747	6	3660	13	3467	31
T111	32	3966	32	4979	12	2532	14	4043	24	3727	11	3820	11
T114	34	3906	33	4556	24	2025	27	3621	39	3072	39	3319	36
G96044	26	3854	34	4070	35	1561	37	4035	25	3150	37	3204	39
NE96573	28	3780	35	4163	33	2473	16	4082	20	3941	7	3665	16
G96135	25	3769	36	4665	22	2783	6	3471	40	3491	20	3603	21
TAM-107	3	3759	37	4625	23	1537	39	3988	29	3864	9	3503	30
NE95510	27	3735	38	3865	38	2576	11	4018	26	3272	31	3433	32
G96134	24	3711	39	4771	18	1844	34	3737	35	3268	32	3405	33
KS96HW10-3	20	3641	40	3572	40	1092	41	3773	34	3633	14	3017	40
TX97V4311	15	3639	41	4228	31	1234	40	3820	33	2557	43	2960	41
Scout 66	2	2982	42	2801	42	1059	43	2850	43	3327	27	2509	42
Kharkof	1	2491	43	2660	43	1060	42	3203	41	3076	38	2500	43
mean		4065		4530		2203		4096		3492		3581	
l.s.d. (0.05)		264		660		789		ns		ns		620	
c.v. (%)		14		9		22		18		17		16	

Table 2, concluded.

		Regional		Brookings, SD		Dakota Lakes, SD		Winner, SD		South Dakota State		Crawfordsville, IA		Columbia, Missouri	
line	ENTRY	mean	rank	mean	rank	mean	rank	mean	rank	mean	rank	mean	rank	mean	rank
XH1888	40	4712	1	5213	6	5747	5	5184	1	5381	5	4812	22	3470	10
XH9806	41	4620	2	5203	7	5798	4	4943	7	5315	6	5636	12	3624	6
XH9815	42	4506	3	5409	3	5742	6	5058	3	5403	3	6167	4	3343	13
HBK0630-4-5	44	4456	4	5105	8	5282	13	3941	37	4776	18	6382	2	3968	1
W95-385	35	4375	5	5380	4	5619	7	3826	39	4942	11	5084	21	3555	9
Trego	18	4359	6	4669	22	4463	36	4154	31	4429	34	5733	9	2573	35
OK95616-14C	5	4319	7	4570	28	5042	20	4232	28	4620	26	6066	6	3768	4
OK96717	7	4312	8	4920	13	5108	17	4621	16	4883	12	5531	13	2952	26
OK94P549-2C	4	4297	9	4658	23	5153	16	4125	32	4645	23	5958	8	2827	32
W95-392	36	4294	10	5470	1	6046	2	5010	5	5514	1	4385	34	2920	28
TX95V5905	14	4261	11	4830	15	4995	22	4764	10	4863	13	5656	11	3834	2
OK95571	6	4255	12	4655	25	5578	8	4540	19	4958	10	6170	3	2927	27
OK95548-26C	8	4223	13	5038	10	5319	12	4113	33	4823	15	6130	5	3115	20
W95-091	37	4222	14	5451	2	5328	11	4702	13	5160	8	5118	20	3643	5
KS89180B-2-1-2	43	4211	15	4920	12	6300	1	5094	2	5389	4	5293	16	3397	12
G96047	23	4186	16	4858	14	5414	9	4686	14	4986	9	3931	39	3312	15
CO950043	17	4182	17	4274	36	5022	21	3656	41	4317	35	4697	27	3267	16
KS95H167-3	19	4177	18	4758	20	5273	14	3971	35	4667	21	4600	29	2614	34
KS96HW115	21	4168	19	4346	33	4981	23	4640	15	4655	22	5178	18	3083	21
TX95D8283	10	4168	20	4781	17	4705	30	4800	9	4762	19	5252	17	3594	7
KS96HW94	22	4159	21	5041	9	5364	10	5047	4	5164	7	4529	31	2987	25
CO940611	16	4152	22	4545	29	4536	34	4577	18	4553	30	5508	14	3051	22
TX93D2066	9	4147	23	5311	5	6043	3	4999	6	5451	2	4761	25	3459	11
W95-610W	39	4145	24	4655	24	5045	19	4202	29	4632	25	5155	19	1857	42
T108	31	4143	25	4306	35	4802	28	4486	21	4531	33	4395	33	2681	33
T112	33	4134	26	4764	19	4886	27	4595	17	4748	20	5975	7	3561	8
TX90A9528	11	4097	27	4545	29	4954	24	4287	25	4595	28	3958	38	2866	31
TX95V4339	13	4097	28	4774	18	4537	33	4481	22	4575	29	4405	32	2868	30
W94-480W	38	4081	29	4259	37	4355	39	4178	30	4265	36	4627	28	3182	17
TX94V5922	12	4064	30	3969	39	4538	32	3942	36	4149	39	4028	37	2044	40
NW97S151	45	4025	31	4629	27	4947	25	4276	26	4617	27	4112	35	2531	37
T111	32	3966	32	4946	11	4784	29	4726	11	4819	16	6399	1	3831	3
T114	34	3906	33	4720	21	4399	37	4501	20	4540	32	4765	24	2535	36
G96044	26	3854	34	4228	38	4376	38	3926	38	4177	38	4079	36	3164	18
NE96573	28	3780	35	4652	26	4918	26	4344	24	4638	24	4781	23	2904	29
G96135	25	3769	36	4530	31	5079	18	4710	12	4804	17	5666	10	3336	14
TAM-107	3	3759	37	3443	42	4584	31	4264	27	4097	40	4704	26	3032	23
NE95510	27	3735	38	4808	16	5220	15	4477	23	4835	14	5414	15	3126	19
G96134	24	3711	39	4324	34	4494	35	4823	8	4547	31	4553	30	3025	24
KS96HW10-3	20	3641	40	4451	32	4122	40	4020	34	4198	37	3258	41	2176	38
TX97V4311	15	3639	41	3686	40	3386	41	3704	40	3580	41	3672	40	2095	39
Scout 66	2	2982	42	3510	41	3241	42	3463	42	3405	42	2838	42	1884	41
Kharkof	1	2491	43	3325	43	2481	43	3195	43	3000	43	2091	43	1713	43
mean		4065		4540		4850		4323		4656		4743		3008	
l.s.d. (0.05)		264		410		499		629		513		1046		479	
c.v. (%)		14		6		6		9		7		11		10	

Table 3. Summary of mean grain yields (kg/ha) and ranks of 43 wheats grown in the 1999 SRPN for 6 intra-regional production zones (Peterson, 1992, Crop Science 32: 907).

line	entry	Regional		Southern Plains		Central Plains		North Central Plains		Northern High Plains		Intermountain		Southern High Plains	
		mean	rank	mean	rank	mean	rank	mean	rank	mean	rank	mean	rank	mean	rank
XH1888	40	4712	1	4413	1	3578	2	4604	4	4444	2	6171	3	5081	1
XH9806	41	4620	2	4141	6	3524	3	4698	1	4732	1	5731	8	4862	3
XH9815	42	4506	3	4358	2	3367	9	4589	5	4359	6	5542	12	4651	12
HBK0630-4-5	44	4456	4	3975	13	3694	1	4665	2	4076	21	5145	27	5006	2
W95-385	35	4375	5	3879	17	3307	13	4207	18	4237	13	5836	5	4831	4
Trego	18	4359	6	4277	4	3278	18	3984	28	4370	5	5148	26	4764	6
OK95616-14C	5	4319	7	3908	15	3474	5	4316	13	4097	19	5260	23	4725	9
OK96717	7	4312	8	4128	7	3422	6	4503	7	4303	9	4693	35	4600	13
OK94P549-2C	4	4297	9	4341	3	3301	14	4103	23	4291	10	4953	30	4453	24
W95-392	36	4294	10	3894	16	3482	4	4259	16	4353	7	5425	16	4365	27
TX95V5905	14	4261	11	4024	11	3268	19	4400	9	4162	17	5109	28	4114	35
OK95571	6	4255	12	4179	5	3308	12	4210	17	4064	22	5172	25	4738	8
OK95548-26C	8	4223	13	4095	8	3355	10	4283	15	3971	27	5358	20	4108	36
W95-091	37	4222	14	3874	18	3368	8	4619	3	4130	18	4423	39	4590	14
KS89180B-2-1-2	43	4211	15	3624	26	3160	25	4475	8	4400	3	4807	34	4586	16
G96047	23	4186	16	3924	14	2950	33	4142	19	3905	32	5440	15	4742	7
CO950043	17	4182	17	3535	30	3050	28	3993	27	4238	12	6889	1	4587	15
KS95H167-3	19	4177	18	3999	12	2796	38	4077	25	4222	14	6086	4	3866	40
KS96HW115	21	4168	19	3864	19	3402	7	4137	20	4184	16	5525	13	4251	31
TX95D8283	10	4168	20	3743	24	3177	24	4323	11	4030	24	5467	14	4259	30
KS96HW94	22	4159	21	4052	10	3293	15	4125	22	4096	20	4625	36	4525	21
CO940611	16	4152	22	3783	22	3189	23	4130	21	3946	30	5815	6	4464	23
TX93D2066	9	4147	23	3312	35	2877	36	4351	10	4014	25	5784	7	4212	33
W95-610W	39	4145	24	3570	29	2945	35	3907	29	4398	4	5385	18	4819	5
T108	31	4143	25	3852	20	3286	17	4059	26	3932	31	5345	21	4574	17
T112	33	4134	26	3612	28	3289	16	4297	14	4056	23	5270	22	4567	19
TX90A9528	11	4097	27	3394	32	3042	29	3638	36	4328	8	6280	2	4571	18
TX95V4339	13	4097	28	4067	9	3258	20	3803	32	3949	29	4889	31	4357	28
W94-480W	38	4081	29	3660	25	3083	26	3786	34	4198	15	5715	9	4672	10
TX94V5922	12	4064	30	3838	21	3194	22	3605	37	4004	26	5640	10	4547	20
NW97S151	45	4025	31	3614	27	2744	41	3684	35	4249	11	5553	11	4505	22
T111	32	3966	32	3343	34	3334	11	4508	6	3649	37	5018	29	4199	34
T114	34	3906	33	3758	23	2860	37	3797	33	3618	41	5252	24	3847	41
G96044	26	3854	34	3490	31	3064	27	3479	39	3623	39	5397	17	4373	26
NE96573	28	3780	35	3184	38	2746	40	3845	31	3722	35	4816	33	4656	11
G96135	25	3769	36	3384	33	2995	32	4318	12	3662	36	4465	38	3925	39
TAM-107	3	3759	37	3305	36	2950	34	3604	38	3637	38	5366	19	3931	37
NE95510	27	3735	38	3203	37	3005	30	4090	24	3771	34	4619	37	3927	38
G96134	24	3711	39	3168	39	3001	31	3897	30	3790	33	4329	42	4324	29
KS96HW10-3	20	3641	40	3054	41	2787	39	3241	40	3952	28	4873	32	4419	25
TX97V4311	15	3639	41	3150	40	3203	21	3094	41	3620	40	4405	40	4215	32
Scout 66	2	2982	42	2505	42	2198	42	2603	42	3248	42	4400	41	3455	42
Kharkof	1	2491	43	1984	43	1656	43	2315	43	2758	43	4307	43	2845	43
mean		4065		3685		3122		4017		3930		5249		4397	
l.s.d. (0.05)		264		492		548		438		514		1405		670	
c.v. (%)		14		11		11		10		15		16		17	