

Table 2. Summary of mean yields (kg/ha) for 45 wheats grown in the 1994 Southern Regional Performance Nursery at 29 locations with state means and ranks.

VARIETY OR PEDIGREE	: : C.I. OR : SEL. NO.	: : ENTRY: : NO.	: : CLOVIS : (IRR.) : NEW MEXICO	: : CLOVIS : (DRYL.) : NEW MEXICO	: : NEW MEXICO : STATE MEAN	:
Quantum Hybrid Wheat	XH1706	39	6168 1	539 16	3354 1	
Quantum Hybrid Wheat	XH1693	38	4977 5	631 7	2804 4	
Quantum Hybrid Wheat	XH1689	37	3829 24	661 3	2245 19	
Quantum Hybrid Wheat	XH1520	35	4820 6	579 13	2700 7	
HRE LT-11(OR)*Homestead/W8447	HBE0726-1	19	5433 2	336 34	2884 3	
WX11088/2165//W8447	KS92PO59E	23	3538 29	688 2	2113 23	
TAM-107/T213 sib	T81	44	3898 21	333 35	2115 22	
TAM-107*3/TA2460	KS93U206	28	3905 20	645 6	2275 17	
Quantum Hybrid Wheat	XH1529	36	4411 11	457 23	2434 10	
TX81V6610/W82-163	WI89-273-13	40	4506 9	961 1	2734 6	
W8447D/W2436//W3420	KS92PO425-155	26	4058 16	440 24	2249 18	
KS82W418/Stephens	KS84063-939-3	27	4981 4	546 15	2763 5	
W2440/W9488A//2163	KS92PO263-137	24	4575 7	429 25	2502 8	
T213 sib *2/HRW	T83	45	2726 41	315 36	1520 42	
IL71-5662/PL145//2165	HBZ374C	9	4522 8	280 40	2401 12	
TAM-200/W81-296	WI89-189-14	41	3404 33	649 5	2026 28	
TAM-107/TX3006	CO880210	21	4242 14	462 22	2352 13	
Brule seln/4/Bez 1/3/Ctk//Arthur/Ctk78	NE90524	31	4185 15	406 29	2296 16	
TAM-105/10334	TX89A7137	11	3725 25	477 18	2101 24	
NE82671/NE80413	NE91651	34	4281 13	354 33	2317 14	
WX12907/T-108//W2440	KS92PO363-134	25	5318 3	585 12	2952 2	
KS83H2510/Brule composite	NE90479	30	2638 42	658 4	1648 41	
F29-76/TAM-105//Chisholm	OK88767-11	4	3446 31	629 8	2038 27	
TAM-105/10334	TX89A7141	16	3297 35	522 17	1909 35	
TAM-107/Hail	CO880169	20	4491 10	426 26	2459 9	
TAM-107	PI495594	3	3097 38	605 9	1851 36	
TAM-200//Sk1/Tan 's'	TX90D9277	10	4009 17	605 10	2307 15	
Ogosta/Csm//TAM-107	OK90604	6	3714 26	209 44	1961 31	
T11//Brule/TAM-108	T4732	43	3013 40	410 28	1712 39	
T11//Brule/TAM-108	T4731	42	3289 36	589 11	1939 32	
TAM-200//TX38949-2/TAM-107	TX91V4931	12	4392 12	468 21	2430 11	
TX81V6603/TX78A3345-V34	TX90V6313	17	3431 32	424 27	1927 34	
Csm/OK79256	OK90649	7	3029 39	373 31	1701 40	
Yantar/TAM-101//Mustang	OK91783	8	3848 22	557 14	2203 20	
Brule//Buc 's'/Bjy 's'/3/TX78V3924-5-3	TX92V4135	18	2431 44	305 37	1368 45	
Sumner/CO820026, F1//PI372129, F1/3/TAM-10	CO910927	22	3844 23	261 42	2053 26	
TAM-108/Vee's'//TX84V2029	TX91V3308	15	3936 18	210 43	2073 25	
TX81V6603/TX78A3345-V34	TX90V8410	13	3507 30	468 19	1988 30	
F29-76/TAM-105//Chisholm	OK88767-02	5	3385 34	179 45	1782 37	
TX78V2430-2/TX86V1540	TX90V7911	14	3618 27	374 30	1996 29	
Complex Pedigree	N87V106	29	3231 37	264 41	1748 38	
Arapahoe/TAM-107	NE91608	32	3909 19	364 32	2137 21	
NE82761/NE82599	NE91635	33	2508 43	287 39	1398 43	
Scout 66	CI13996	2	2274 45	468 20	1371 44	
Kharkof	CI1442	1	3561 28	297 38	1929 33	
	MEAN		3853	461	2157	
	LSD(.05)		1477	319	N.S.	
	C.V.		23.6	42.6	30.5	

Table 2. Continued.

C.I. OR SEL. NO.	ENTRY: NO.	HUTCHINSON KANSAS	HAYS KANSAS	COLBY KANSAS	GARDEN CITY KANSAS	MANHATTAN KANSAS	KANSAS STATE MEAN
XH1706	39	3939 2	4425 1	3313 23	2849 1	3761 7	3657 1
XH1693	38	3750 6	4412 2	3207 30	2512 11	4166 2	3609 3
XH1689	37	3587 14	4226 6	3558 14	2658 4	3233 26	3452 7
XH1520	35	4049 1	3925 12	3594 11	2606 6	3898 4	3615 2
HBE0726-1	19	3222 34	4230 5	3673 7	2108 29	3848 6	3416 11
KS92PO59E	23	3385 24	4165 8	3629 8	2121 28	3862 5	3432 9
T81	44	3476 20	4145 9	3763 5	2281 21	3465 17	3426 10
KS93U206	28	3743 7	4203 7	3881 2	2723 2	3399 21	3590 4
XH1529	36	3431 22	3730 18	3205 31	2371 17	3609 9	3269 18
WI89-273-13	40	3496 19	4308 4	3744 6	2653 5	3342 22	3509 6
KS92PO425-155	26	3346 28	3708 19	3494 16	2440 14	3537 11	3305 17
KS84063-939-3	27	3581 15	2910 36	3365 19	2499 12	3320 23	3135 22
KS92PO263-137	24	3873 3	3259 27	3566 13	2490 13	3508 13	3339 14
T83	45	3431 22	3824 16	3872 3	2439 15	3429 19	3399 12
HBZ374C	9	3698 9	3602 22	3345 20	2265 23	3624 8	3307 16
WI89-189-14	41	3626 13	3981 11	3231 28	2519 10	4297 1	3531 5
CO880210	21	3567 16	4315 3	3777 4	2330 19	3226 28	3443 8
NE90524	31	3222 35	2984 35	3421 17	2379 16	2676 40	2936 34
TX89A7137	11	3060 41	3255 28	3971 1	2082 30	2701 39	3014 29
NE91651	34	3639 12	2762 38	3151 35	1925 38	3262 24	2948 33
KS92PO363-134	25	3287 32	1787 44	3283 26	2179 25	3226 27	2752 41
NE90479	30	3867 4	3033 33	3230 29	2159 26	3023 34	3062 24
OK88767-11	4	3789 5	3849 14	3193 32	2337 18	3436 18	3321 15
TX89A7141	16	3294 31	3230 29	3308 24	2076 32	3212 29	3024 27
CO880169	20	3209 37	3842 15	3603 10	2539 8	2105 43	3060 26
PI495594	3	3548 18	3508 26	3403 18	2183 24	3494 16	3227 20
TX90D9277	10	3352 27	3109 32	2967 40	2032 34	3110 32	2914 35
OK90604	6	3652 11	3535 25	2888 41	2155 27	3501 15	3146 21
T4732	43	3216 36	2304 41	3181 33	2284 20	3212 29	2839 38
T4731	42	3704 8	2156 42	3006 37	2528 9	3580 10	2995 31
TX91V4931	12	3561 17	4046 10	3342 21	2267 22	2257 42	3095 23
TX90V6313	17	3379 25	3584 23	3578 12	2659 3	3096 33	3259 19
OK90649	7	3450 21	3006 34	3016 36	2019 35	3508 14	3000 30
OK91783	8	3177 38	2831 37	2984 39	1901 39	3240 25	2827 39
TX92V4135	18	2897 43	3773 17	2854 43	2008 36	3016 35	2910 36
CO910927	22	3131 39	3537 24	3610 9	2078 31	2763 36	3024 28
TX91V3308	15	3307 30	2488 39	3497 15	1646 43	3428 20	2873 37
TX90V8410	13	3326 29	3909 13	3320 22	1980 37	2763 37	3060 25
OK88767-02	5	3665 10	3685 20	2885 42	2564 7	3935 3	3347 13
TX90V7911	14	3372 26	3674 21	3307 25	1744 42	2756 38	2971 32
N87V106	29	2962 42	3132 31	2993 38	1555 45	3204 31	2769 40
NE91608	32	3131 39	2320 40	3258 27	1828 40	2394 41	2586 43
NE91635	33	3249 33	1459 45	3152 34	1826 41	3530 12	2643 42
CI13996	2	2415 44	3183 30	2715 45	2038 33	1099 44	2290 44
CI1442	1	2024 45	2080 43	2785 44	1619 44	528 45	1807 45
MEAN		3402	3410	3336	2232	3191	3114
LSD(.05)		483	608	N.S.	413	587	522
C.V.		8.7	11.0	14.6	11.4	11.3	11.7

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
XH1706	39	4146 14	5085 2	4108 2	4761 3	4753 3	4571 2
XH1693	38	4805 1	5129 1	3967 4	4908 2	4451 6	4652 1
XH1689	37	4672 4	4826 3	4203 1	4368 12	4771 2	4568 3
XH1520	35	4090 17	4487 7	3349 17	4373 11	3847 35	4029 15
HBE0726-1	19	3788 33	3899 35	2840 33	4943 1	4297 14	3953 18
KS92PO59E	23	4052 19	4482 8	3593 8	4714 4	4321 12	4232 5
T81	44	4087 18	4712 5	3578 9	4672 5	4609 4	4332 4
KS93U206	28	3755 34	4372 15	3472 13	4386 10	3954 34	3988 16
XH1529	36	4133 15	4034 30	2471 42	3980 19	4823 1	3888 21
WI89-273-13	40	4760 2	4371 16	2830 34	3073 37	4213 21	3850 25
KS92PO425-155	26	4316 11	4460 10	3216 24	4067 17	4258 18	4063 12
KS84063-939-3	27	3871 26	4428 13	3342 19	4467 9	4214 20	4065 11
KS92PO263-137	24	4016 20	4159 22	3997 3	4349 14	4140 27	4132 9
T83	45	4484 6	4431 12	3002 29	2991 38	4444 7	3870 24
HBZ374C	9	3825 31	3939 33	3250 22	3988 18	3735 37	3747 28
WI89-189-14	41	4690 3	4719 4	3011 28	2927 39	4279 17	3925 19
CO880210	21	3610 39	4052 29	3069 26	3882 21	4121 28	3747 29
NE90524	31	4151 13	4125 25	3785 6	4625 6	4152 25	4167 7
TX89A7137	11	4422 8	4465 9	3532 10	4297 15	4410 9	4225 6
NE91651	34	3989 21	3683 39	3395 15	3959 20	4394 10	3884 22
KS92PO363-134	25	4389 9	4315 18	3499 12	3776 23	4223 19	4041 14
NE90479	30	4434 7	4256 19	3460 14	4067 16	4507 5	4145 8
OK88767-11	4	4116 16	3902 34	2663 37	2910 42	4191 23	3556 35
TX89A7141	16	3954 22	4080 28	3515 11	4544 8	4167 24	4052 13
CO880169	20	3460 41	4093 27	2886 32	4625 6	4441 8	3901 20
PI495594	3	3835 30	4360 17	3261 21	3551 30	4143 26	3830 26
TX90D9277	10	3352 42	3952 32	3040 27	2919 41	3784 36	3409 40
OK90604	6	3896 24	3764 37	2736 36	2897 43	4289 16	3516 38
T4732	43	4351 10	4526 6	3874 5	3104 36	3976 32	3966 17
T4731	42	4502 5	4096 26	3389 16	3695 26	3675 40	3871 23
TX91V4931	12	3285 44	3855 36	2663 37	2687 44	4064 29	3311 42
TX90V6313	17	3793 32	4387 14	2594 40	3620 28	3731 38	3625 33
OK90649	7	3854 28	3602 43	2376 43	3152 34	4056 30	3408 41
OK91783	8	3628 37	4161 21	2941 31	2924 40	4033 31	3537 36
TX92V4135	18	4187 12	4152 23	2265 44	3307 32	4313 13	3645 32
CO910927	22	3298 43	4148 24	3150 25	3855 22	4293 15	3749 27
TX91V3308	15	3753 35	3654 40	2987 30	3243 33	3972 33	3522 37
TX90V8410	13	3725 36	3683 38	2765 35	3726 24	4359 11	3652 31
OK88767-02	5	3882 25	3391 44	1864 45	3566 29	3637 41	3268 43
TX90V7911	14	3618 38	3648 41	2603 39	2194 45	3250 44	3063 44
N87V106	29	3930 23	3981 31	3348 18	3694 27	3713 39	3733 30
NE91608	32	3867 27	4190 20	3295 20	3110 35	3589 42	3610 34
NE91635	33	3844 29	4432 11	3648 7	4351 13	4198 22	4094 10
CI13996	2	3600 40	3629 42	3228 23	3709 25	3117 45	3457 39
CI1442	1	2979 45	2873 45	2545 41	3391 31	3441 43	3046 45
MEAN		3982	4155	3169	3786	4119	3842
LSD(.05)		736	581	511	1276	752	449
C.V.		11.4	8.6	9.9	16.7	11.2	11.3

Table 2. Continued.

C.I. OR SEL. NO.	ENTRY NO.	AKRON COLORADO	JULESBURG COLORADO	WALSH COLORADO	BURLINGTON COLORADO	COLORADO STATE MEAN	ABERDEEN * IDAHO
XH1706	39	2080 4	2368 2	1863 4	3650 2	2490 2	. .
XH1693	38	1631 35	1912 13	1644 18	2999 29	2047 21	. .
XH1689	37	1991 9	2457 1	1852 5	3665 1	2491 1	. .
XH1520	35	1764 20	2176 3	1702 14	3054 25	2174 9	. .
HBE0726-1	19	1729 24	1635 32	1071 44	3410 4	1961 33	10255 2
KS92PO59E	23	1949 11	2044 7	1636 19	3255 11	2221 5	10878 1
T81	44	1650 34	1892 14	1478 23	3042 28	2016 27	. .
KS93U206	28	1659 32	2011 8	1795 6	3257 10	2180 7	8534 22
XH1529	36	1742 22	1815 20	2020 2	3622 3	2300 3	. .
WI89-273-13	40	2142 2	1666 29	1692 16	2822 38	2081 17	. .
KS92PO425-155	26	1732 23	2174 4	1436 28	2724 42	2016 26	9883 6
KS84063-939-3	27	2079 5	2110 5	1456 27	3208 14	2213 6	8211 24
KS92PO263-137	24	1830 17	1741 25	1577 21	3317 7	2116 13	9512 9
T83	45	1847 14	1653 31	1475 24	3159 17	2034 23	. .
HBZ374C	9	1673 29	2078 6	1381 34	3177 16	2077 18	9058 17
WI89-189-14	41	2238 1	1625 34	1434 29	2792 41	2022 24	. .
CO880210	21	1843 15	1847 18	1764 7	2831 37	2071 19	10068 4
NE90524	31	1410 42	1888 15	1723 12	3335 6	2089 16	8653 19
TX89A7137	11	2047 7	1981 9	1669 17	3245 12	2236 4	9303 12
NE91651	34	1602 37	1444 42	1418 30	3261 9	1931 38	9167 15
KS92PO363-134	25	1628 36	1615 36	1416 31	3158 19	1955 34	9750 7
NE90479	30	1723 26	1695 28	1721 13	3238 13	2094 15	7846 27
OK88767-11	4	1835 16	1922 12	1762 8	3126 22	2161 10	9375 11
TX89A7141	16	1910 12	1925 11	1761 9	3120 23	2179 8	9945 5
CO880169	20	1587 38	1625 35	1745 11	3045 27	2000 30	10073 3
PI495594	3	1684 28	1772 21	1696 15	2660 43	1953 35	9184 14
TX90D9277	10	1566 39	1979 10	1468 26	3049 26	2015 28	9257 13
OK90604	6	1652 33	1861 17	1404 33	2857 36	1944 36	8064 25
T4732	43	1993 8	1770 22	1164 40	3142 20	2017 25	. .
T4731	42	1724 25	1844 19	1365 36	3270 8	2051 20	. .
TX91V4931	12	1670 30	1872 16	1979 3	2934 34	2114 14	8774 18
TX90V6313	17	1805 19	1628 33	1620 20	2806 39	1965 32	7765 29
OK90649	7	2108 3	1599 38	1189 39	3159 17	2014 29	7724 30
OK91783	8	1300 44	1664 30	1280 37	2999 30	1811 42	8591 20
TX92V4135	18	1867 13	1316 45	1095 42	2904 35	1796 43	8551 21
CO910927	22	1746 21	1742 24	1759 10	2935 33	2045 22	9472 10
TX91V3308	15	1808 18	1582 39	1093 43	2947 32	1858 40	9650 8
TX90V8410	13	1705 27	1609 37	2038 1	3135 21	2122 11	8509 23
OK88767-02	5	1667 31	1422 43	1475 25	3193 15	1939 37	7498 31
TX90V7911	14	1560 40	1480 41	1408 32	2955 31	1851 41	9067 16
N87V106	29	1409 43	1501 40	1010 45	2028 45	1487 45	8042 26
NE91608	32	1473 41	1764 23	1528 22	3115 24	1970 31	6003 32
NE91635	33	2055 6	1710 27	1366 35	3344 5	2119 12	7841 28
CI13996	2	1953 10	1738 26	1228 38	2800 40	1930 39	5857 33
CI1442	1	1134 45	1410 44	1102 41	2371 44	1504 44	. .
MEAN		1760	1790	1528	3069	2037	8799
LSD(.05)		499	425	302	554	294	1673
C.V.		17.4	14.6	12.2	11.1	13.7	11.6

\* Not included in regional averages.

Table 2. Continued.

C.I. OR SEL. NO.	ENTRY: NO.	PROSPER TEXAS	CHILLI- COTHE TEXAS	BUSHLAND (IRR.) TEXAS	BUSHLAND (DRYL.) TEXAS	TEXAS STATE MEAN
XH1706	39	2923 15	4138 12	6077 20	2831 6	3992 10
XH1693	38	3069 9	4369 3	6326 10	2937 1	4175 3
XH1689	37	3369 1	4524 1	5972 22	2887 4	4188 1
XH1520	35	2995 11	4268 7	6530 3	2845 5	4159 4
HBE0726-1	19	2773 24	4190 9	6122 16	2777 10	3966 12
KS92PO59E	23	2715 25	3932 20	6371 8	2912 2	3982 11
T81	44	3125 6	4302 5	6622 1	2703 13	4188 1
KS93U206	28	2807 22	3806 26	6313 12	2504 32	3857 13
XH1529	36	3167 5	4277 6	6443 4	2674 15	4140 5
WT89-273-13	40	2990 12	4039 16	5705 26	2694 14	3857 13
KS92PO425-155	26	2887 18	4468 2	6109 18	2820 8	4071 6
KS84063-939-3	27	2829 20	3887 24	6541 2	2735 11	3998 9
KS92PO263-137	24	2775 23	4013 17	5591 27	2582 23	3740 24
T83	45	3002 10	4331 4	6149 15	2600 20	4020 8
HBZ374C	9	3201 4	3788 28	5920 24	2352 41	3815 18
WT89-189-14	41	2979 13	3607 36	6162 14	2401 40	3787 20
CO880210	21	2836 19	4109 13	6436 5	2822 7	4051 7
NE90524	31	3206 3	4082 14	5506 31	2562 24	3839 15
TX89A7137	11	2208 38	3459 40	6384 6	2493 33	3636 31
NE91651	34	2589 30	4156 10	5967 23	2486 34	3800 19
KS92PO363-134	25	2464 32	4042 15	5198 38	2656 16	3590 33
NE90479	30	2822 21	3732 31	5463 32	2585 22	3651 30
OK88767-11	4	2430 33	3351 42	6384 7	2287 43	3613 32
TX89A7141	16	2058 41	3730 33	6326 10	2551 25	3666 28
CO880169	20	2242 36	3869 25	6104 19	2793 9	3752 23
PI495594	3	2408 34	4004 18	6243 13	2441 37	3774 21
TX90D9277	10	3363 2	4147 11	5189 39	2618 17	3829 16
OK90604	6	2663 26	3766 29	6120 17	2522 30	3768 22
T4732	43	3125 6	3925 21	5315 34	2589 21	3739 25
T4731	42	3105 8	4261 8	5425 33	2524 29	3829 17
TX91V4931	12	2233 37	3735 30	6330 9	2612 18	3727 27
TX90V6313	17	2349 35	3903 22	5221 37	2706 12	3545 35
OK90649	7	2919 16	3535 37	6075 21	2405 39	3733 26
OK91783	8	2975 14	3730 32	5120 40	2506 31	3583 34
TX92V4135	18	2553 31	3795 27	5745 25	2533 28	3657 29
CO910927	22	1984 43	3723 34	5548 28	2439 38	3424 40
TX91V3308	15	2598 29	3957 19	5001 41	2549 26	3526 36
TX90V8410	13	2060 40	3611 35	5268 36	2903 3	3461 39
OK88767-02	5	2896 17	3082 43	5539 30	2163 44	3420 41
TX90V7911	14	2132 39	3894 23	5295 35	2540 27	3465 38
N87V106	29	2638 27	3524 38	5546 29	2349 42	3514 37
NE91608	32	2634 28	3477 39	4479 43	2612 19	3300 42
NE91635	33	2047 42	3441 41	3481 44	2452 35	2855 43
CI13996	2	1542 44	2688 44	4618 42	2448 36	2824 44
CI1442	1	769 45	2284 45	2739 45	2156 45	1987 45
MEAN		2654	3843	5712	2590	3700
LSD(.05)		448	544	882	282	545
C.V.		10.4	8.7	9.5	6.7	9.7

Table 2. Continued.

C.I. OR SEL. NO.	ENTRY: NO.	STILLWATER OKLAHOMA	ALTUS OKLAHOMA	LAHOMA OKLAHOMA	GOODWELL OKLAHOMA	OKLAHOMA STATE MEAN
XH1706	39	4635 3	4846 13	5865 1	4882 2	5057 1
XH1693	38	4572 5	5248 2	5306 3	4776 6	4975 2
XH1689	37	4822 2	4680 22	4324 20	4086 23	4478 15
XH1520	35	4587 4	4953 8	5107 5	4425 11	4768 4
HBE0726-1	19	4510 8	4886 11	5408 2	4534 9	4835 3
KS92PO59E	23	4569 6	4871 12	4661 15	4813 5	4729 5
T81	44	4083 17	5003 5	4809 11	4225 16	4530 14
KS93U206	28	4097 16	4903 10	5303 4	4513 10	4704 6
XH1529	36	4909 1	4999 6	4229 26	4665 8	4700 7
WI89-273-13	40	4058 18	5163 3	4581 17	4859 3	4665 9
KS92PO425-155	26	4299 13	4634 25	4673 14	4853 4	4615 10
KS84063-939-3	27	3905 22	5637 1	4975 8	4285 15	4700 8
KS92PO263-137	24	4490 9	4551 29	5029 7	4298 13	4592 12
T83	45	4022 20	4821 14	5083 6	3747 34	4418 16
HBZ374C	9	4536 7	4436 34	4779 12	4689 7	4610 11
WI89-189-14	41	3681 26	4503 30	4955 9	4115 21	4314 18
CO880210	21	3541 32	4256 37	3742 36	4066 24	3901 35
NE90524	31	3623 31	4452 33	4558 18	3866 29	4124 26
TX89A7137	11	3519 34	4625 26	3933 31	4005 26	4020 32
NE91651	34	3681 26	4967 7	4895 10	3486 36	4257 19
KS92PO363-134	25	4394 11	4930 9	3695 37	3313 38	4083 29
NE90479	30	3674 28	4460 32	3887 33	4172 19	4048 31
OK88767-11	4	3652 29	4810 15	4643 16	5082 1	4547 13
TX89A7141	16	3631 30	4692 21	4328 19	4171 20	4206 23
CO880169	20	3327 37	4132 40	4148 27	4193 17	3950 34
PI495594	3	3412 36	4294 36	3918 32	3854 30	3869 37
TX90D9277	10	4014 21	4593 27	4271 24	3417 37	4074 30
OK90604	6	3453 35	4761 16	4111 28	4308 12	4158 25
T4732	43	4359 12	4186 38	3964 30	3042 41	3888 36
T4731	42	4039 19	4339 35	3851 34	3039 42	3817 38
TX91V4931	12	3538 33	4758 17	4743 13	3750 33	4197 24
TX90V6313	17	3778 24	4675 23	4103 29	3830 31	4096 28
OK90649	7	4104 15	4576 28	4302 22	3902 28	4221 21
OK91783	8	3838 23	4713 19	4244 25	4042 25	4209 22
TX92V4135	18	4225 14	4726 18	4284 23	4290 14	4382 17
CO910927	22	3166 41	4100 41	3371 41	3645 35	3571 41
TX91V3308	15	4396 10	5157 4	3526 39	3942 27	4255 20
TX90V8410	13	3312 38	4463 31	3583 38	3297 40	3664 39
OK88767-02	5	3683 25	4170 39	3813 35	4187 18	3963 33
TX90V7911	14	3292 39	4708 20	4320 21	4092 22	4103 27
N87V106	29	2871 43	4637 24	3345 42	3752 32	3651 40
NE91608	32	3292 39	3892 42	3460 40	3311 39	3489 42
NE91635	33	3058 42	3498 43	2657 43	2146 45	2839 43
CI13996	2	2361 44	3153 44	2585 44	2749 43	2712 44
CI1442	1	1853 45	2044 45	1342 45	2280 44	1880 45
MEAN		3841	4553	4238	3978	4153
LSD(.05)		519	494	797	498	517
C.V.		8.3	6.7	11.6	7.7	8.8

Table 2. Concluded.

C.I. OR SEL. NO.	ENTRY: NO.	PIERRE S. DAKOTA	WINNER S. DAKOTA	BROOKINGS S. DAKOTA	SOUTH DAKOTA STATE MEAN	COLUMBIA MISSOURI	REGIONAL AVERAGE
XH1706	39	2737 28	4425 1	1843 7	3002 2	2594 42	3772 1
XH1693	38	2768 24	4235 3	1675 15	2892 5	3164 34	3698 2
XH1689	37	2717 30	4376 2	2217 2	3103 1	3829 7	3656 3
XH1520	35	3076 9	3957 6	1926 6	2986 3	3386 24	3585 4
HBE0726-1	19	2746 27	3737 8	1941 5	2808 8	3651 11	3491 5
KS92PO59E	23	2968 12	3311 16	1780 9	2686 14	3145 36	3481 6
T81	44	2670 33	3560 11	1690 12	2640 15	3577 18	3480 7
KS93U206	28	3445 1	3504 12	1228 39	2726 9	3690 10	3474 8
XH1529	36	2578 39	3999 5	1488 26	2689 13	3888 5	3470 9
WI89-273-13	40	2753 26	3589 10	1296 35	2546 21	3569 19	3424 10
KS92PO425-155	26	2564 40	3488 15	1511 24	2521 23	4017 3	3419 11
KS84063-939-3	27	2874 17	2995 26	1296 35	2388 27	3372 28	3418 12
KS92PO263-137	24	3105 7	2883 30	1688 13	2558 19	3798 9	3415 13
T83	45	3017 11	4071 4	1603 20	2897 4	3578 17	3341 14
HBZ374C	9	3170 5	3076 22	1827 8	2691 12	3293 31	3337 15
WI89-189-14	41	2556 41	2827 33	1408 29	2263 38	3595 15	3293 16
CO880210	21	3156 6	3037 24	1383 32	2526 22	3648 12	3285 17
NE90524	31	3197 4	3683 9	1215 40	2698 11	3199 33	3272 18
TX89A7137	11	2910 16	2919 29	1701 11	2510 24	3332 30	3244 19
NE91651	34	2952 13	3495 14	1668 17	2705 10	3520 20	3228 20
KS92PO363-134	25	3028 10	3192 18	1623 18	2615 17	3817 8	3216 21
NE90479	30	2923 15	3865 7	1675 15	2821 7	2995 39	3213 22
OK88767-11	4	2208 45	3304 17	1318 34	2277 36	2994 40	3199 23
TX89A7141	16	2872 18	2742 34	1163 41	2259 39	3374 26	3198 24
CO880169	20	3340 2	3163 21	1157 43	2553 20	2519 44	3168 25
PI495594	3	3300 3	2701 35	1152 44	2384 28	3889 4	3158 26
TX90D9277	10	2923 14	3497 13	2215 3	2878 6	3391 23	3140 27
OK90604	6	3087 8	2571 37	1293 37	2317 31	3839 6	3125 28
T4732	43	2759 25	2652 36	1757 10	2390 26	4056 2	3116 29
T4731	42	2632 37	2011 44	1379 33	2007 45	4056 1	3110 30
TX91V4931	12	2831 20	2343 42	1421 28	2198 41	3124 37	3099 31
TX90V6313	17	2782 23	2405 40	1159 42	2115 42	3008 38	3073 32
OK90649	7	2816 22	2378 41	1686 14	2293 34	3460 22	3059 33
OK91783	8	2681 32	2829 32	1406 30	2305 33	3499 21	3037 34
TX92V4135	18	2396 43	3190 19	1242 38	2276 37	3342 29	3036 35
CO910927	22	2820 21	3020 25	1085 45	2308 32	3638 13	3025 36
TX91V3308	15	2654 34	1870 45	1551 23	2025 44	3587 16	3012 37
TX90V8410	13	2636 36	2858 31	1576 22	2357 29	2627 41	3008 38
OK88767-02	5	2641 35	2562 38	1397 31	2200 40	3231 32	2991 39
TX90V7911	14	2589 38	2941 28	1484 27	2338 30	3162 35	2929 40
N87V106	29	2721 29	3042 23	1578 21	2447 25	3613 14	2913 41
NE91608	32	2838 19	2538 39	1495 25	2290 35	3382 25	2877 42
NE91635	33	2470 42	2098 43	1605 19	2058 43	3374 26	2760 43
CI13996	2	2717 30	3174 20	1944 4	2612 18	2577 43	2562 44
CI1442	1	2338 44	2961 27	2547 1	2615 16	2042 45	2125 45
MEAN		2821	3135	1562	2506	3388	3199
LSD(.05)		N.S.	734	557	N.S.	368	12.4
C.V.		16.1	14.4	21.9	16.7	6.7	220

Table 3. Summary of mean yields (kg/ha) and ranks of 45 wheats in the 1994 Southern Regional Performance Nursery at 21 locations from which a CV of 15.0 or less and a significant F test for entries were obtained.

C.I. OR SEL. NO.	ENTRY: NO.	PROSPER TEXAS	CHILLI- COTHE TEXAS	BUSHLAND (IRR.) TEXAS	BUSHLAND (DRYL.) TEXAS	STILLWATER OKLAHOMA	ALTUS OKLAHOMA	LAHOMA OKLAHOMA	GOODWELL OKLAHOMA
XH1706	39	2923 15	4138 12	6077 20	2831 6	4635 3	4846 13	5865 1	4882 2
XH1693	38	3069 9	4369 3	6326 10	2937 1	4572 5	5248 2	5306 3	4776 6
XH1689	37	3369 1	4524 1	5972 22	2887 4	4822 2	4680 22	4324 20	4086 23
XH1520	35	2995 11	4268 7	6530 3	2845 5	4587 4	4953 8	5107 5	4425 11
XH1529	36	3167 5	4277 6	6443 4	2674 15	4909 1	4999 6	4229 26	4665 8
T81	44	3125 6	4302 5	6622 1	2703 13	4083 17	5003 5	4809 11	4225 16
KS92PO59E	23	2715 25	3932 20	6371 8	2912 2	4569 6	4871 12	4661 15	4813 5
KS93U206	28	2807 22	3806 26	6313 12	2504 32	4097 16	4903 10	5303 4	4513 10
KS92PO425-155	26	2887 18	4468 2	6109 18	2820 8	4299 13	4634 25	4673 14	4853 4
WI89-273-13	40	2990 12	4039 16	5705 26	2694 14	4058 18	5163 3	4581 17	4859 3
T83	45	3002 10	4331 4	6149 15	2600 20	4022 20	4821 14	5083 6	3747 34
HBE0726-1	19	2773 24	4190 9	6122 16	2777 10	4510 8	4886 11	5408 2	4534 9
KS84063-939-3	27	2829 20	3887 24	6541 2	2735 11	3905 22	5637 1	4975 8	4285 15
KS92PO263-137	24	2775 23	4013 17	5591 27	2582 23	4490 9	4551 29	5029 7	4298 13
WI89-189-14	41	2979 13	3607 36	6162 14	2401 40	3681 26	4503 30	4955 9	4115 21
HBZ374C	9	3201 4	3788 28	5920 24	2352 41	4536 7	4436 34	4779 12	4689 7
OK88767-11	4	2430 33	3351 42	6384 7	2287 43	3652 29	4810 15	4643 16	5082 1
CO880210	21	2836 19	4109 13	6436 5	2822 7	3541 32	4256 37	3742 36	4066 24
NE90524	31	3206 3	4082 14	5506 31	2562 24	3623 31	4452 33	4558 18	3866 29
NE90479	30	2822 21	3732 31	5463 32	2585 22	3674 28	4460 32	3887 33	4172 19
NE91651	34	2589 30	4156 10	5967 23	2486 34	3681 26	4967 7	4895 10	3486 36
TX89A7141	16	2058 41	3730 33	6326 10	2551 25	3631 30	4692 21	4328 19	4171 20
OK90604	6	2663 26	3766 29	6120 17	2522 30	3453 35	4761 16	4111 28	4308 12
TX89A7137	11	2208 38	3459 40	6384 6	2493 33	3519 34	4625 26	3933 31	4005 26
PI495594	3	2408 34	4004 18	6243 13	2441 37	3412 36	4294 36	3918 32	3854 30
T4732	43	3125 6	3925 21	5315 34	2589 21	4359 12	4186 38	3964 30	3042 41
KS92PO363-134	25	2464 32	4042 15	5198 38	2656 16	4394 11	4930 9	3695 37	3313 38
T4731	42	3105 8	4261 8	5425 33	2524 29	4039 19	4339 35	3851 34	3039 42
TX90D9277	10	3363 2	4147 11	5189 39	2618 17	4014 21	4593 27	4271 24	3417 37
TX92V4135	18	2553 31	3795 27	5745 25	2533 28	4225 14	4726 18	4284 23	4290 14
TX91V4931	12	2233 37	3735 30	6330 9	2612 18	3538 33	4758 17	4743 13	3750 33
CO880169	20	2242 36	3869 25	6104 19	2793 9	3327 37	4132 40	4148 27	4193 17
OK90649	7	2919 16	3535 37	6075 21	2405 39	4104 15	4576 28	4302 22	3902 28
OK91783	8	2975 14	3730 32	5120 40	2506 31	3838 23	4713 19	4244 25	4042 25
TX90V6313	17	2349 35	3903 22	5221 37	2706 12	3778 24	4675 23	4103 29	3830 31
OK88767-02	5	2896 17	3082 43	5539 30	2163 44	3683 25	4170 39	3813 35	4187 18
CO910927	22	1984 43	3723 34	5548 28	2439 38	3166 41	4100 41	3371 41	3645 35
TX91V3308	15	2598 29	3957 19	5001 41	2549 26	4396 10	5157 4	3526 39	3942 27
TX90V8410	13	2060 40	3611 35	5268 36	2903 3	3312 38	4463 31	3583 38	3297 40
TX90V7911	14	2132 39	3894 23	5295 35	2540 27	3292 39	4708 20	4320 21	4092 22
N87V106	29	2638 27	3524 38	5546 29	2349 42	2871 43	4637 24	3345 42	3752 32
NE91608	32	2634 28	3477 39	4479 43	2612 19	3292 39	3892 42	3460 40	3311 39
NE91635	33	2047 42	3441 41	3481 44	2452 35	3058 42	3498 43	2657 43	2146 45
CI13996	2	1542 44	2688 44	4618 42	2448 36	2361 44	3153 44	2585 44	2749 43
CI1442	1	769 45	2284 45	2739 45	2156 45	1853 45	2044 45	1342 45	2280 44
MEAN		2654	3843	5712	2590	3841	4553	4238	3978
LSD(.05)		448	544	882	282	519	494	797	498
C.V.		10.4	8.7	9.5	6.7	8.3	6.7	11.6	7.7



Table 3. Continued.

C.I. OR SEL. NO.	ENTRY: NO.	LINCOLN NEBRASKA	CLAY CENTER NEBRASKA	NORTH PLATTE NEBRASKA	HEMING- FORD NEBRASKA	JULESBURG COLORADO	WALSH COLORADO	BURLINGTON COLORADO
XH1706	39	4146 14	5085 2	4108 2	4753 3	2368 2	1863 4	3650 2
XH1693	38	4805 1	5129 1	3967 4	4451 6	1912 13	1644 18	2999 29
XH1689	37	4672 4	4826 3	4203 1	4771 2	2457 1	1852 5	3665 1
XH1520	35	4090 17	4487 7	3349 17	3847 35	2176 3	1702 14	3054 25
XH1529	36	4133 15	4034 30	2471 42	4823 1	1815 20	2020 2	3622 3
T81	44	4087 18	4712 5	3578 9	4609 4	1892 14	1478 23	3042 28
KS92PO59E	23	4052 19	4482 8	3593 8	4321 12	2044 7	1636 19	3255 11
KS93U206	28	3755 34	4372 15	3472 13	3954 34	2011 8	1795 6	3257 10
KS92PO425-155	26	4316 11	4460 10	3216 24	4258 18	2174 4	1436 28	2724 42
WI89-273-13	40	4760 2	4371 16	2830 34	4213 21	1666 29	1692 16	2822 38
T83	45	4484 6	4431 12	3002 29	4444 7	1653 31	1475 24	3159 17
HBE0726-1	19	3788 33	3899 35	2840 33	4297 14	1635 32	1071 44	3410 4
KS84063-939-3	27	3871 26	4428 13	3342 19	4214 20	2110 5	1456 27	3208 14
KS92PO263-137	24	4016 20	4159 22	3997 3	4140 27	1741 25	1577 21	3317 7
WI89-189-14	41	4690 3	4719 4	3011 28	4279 17	1625 34	1434 29	2792 41
HBZ374C	9	3825 31	3939 33	3250 22	3735 37	2078 6	1381 34	3177 16
OK88767-11	4	4116 16	3902 34	2663 37	4191 23	1922 12	1762 8	3126 22
CO880210	21	3610 39	4052 29	3069 26	4121 28	1847 18	1764 7	2831 37
NE90524	31	4151 13	4125 25	3785 6	4152 25	1888 15	1723 12	3335 6
NE90479	30	4434 7	4256 19	3460 14	4507 5	1695 28	1721 13	3238 13
NE91651	34	3989 21	3683 39	3395 15	4394 10	1444 42	1418 30	3261 9
TX89A7141	16	3954 22	4080 28	3515 11	4167 24	1925 11	1761 9	3120 23
OK90604	6	3896 24	3764 37	2736 36	4289 16	1861 17	1404 33	2857 36
TX89A7137	11	4422 8	4465 9	3532 10	4410 9	1981 9	1669 17	3245 12
PI495594	3	3835 30	4360 17	3261 21	4143 26	1772 21	1696 15	2660 43
T4732	43	4351 10	4526 6	3874 5	3976 32	1770 22	1164 40	3142 20
KS92PO363-134	25	4389 9	4315 18	3499 12	4223 19	1615 36	1416 31	3158 19
T4731	42	4502 5	4096 26	3389 16	3675 40	1844 19	1365 36	3270 8
TX90D9277	10	3352 42	3952 32	3040 27	3784 36	1979 10	1468 26	3049 26
TX92V4135	18	4187 12	4152 23	2265 44	4313 13	1316 45	1095 42	2904 35
TX91V4931	12	3285 44	3855 36	2663 37	4064 29	1872 16	1979 3	2934 34
CO880169	20	3460 41	4093 27	2886 32	4441 8	1625 35	1745 11	3045 27
OK90649	7	3854 28	3602 43	2376 43	4056 30	1599 38	1189 39	3159 17
OK91783	8	3628 37	4161 21	2941 31	4033 31	1664 30	1280 37	2999 30
TX90V6313	17	3793 32	4387 14	2594 40	3731 38	1628 33	1620 20	2806 39
OK88767-02	5	3882 25	3391 44	1864 45	3637 41	1422 43	1475 25	3193 15
CO910927	22	3298 43	4148 24	3150 25	4293 15	1742 24	1759 10	2935 33
TX91V3308	15	3753 35	3654 40	2987 30	3972 33	1582 39	1093 43	2947 32
TX90V8410	13	3725 36	3683 38	2765 35	4359 11	1609 37	2038 1	3135 21
TX90V7911	14	3618 38	3648 41	2603 39	3250 44	1480 41	1408 32	2955 31
N87V106	29	3930 23	3981 31	3348 18	3713 39	1501 40	1010 45	2028 45
NE91608	32	3867 27	4190 20	3295 20	3589 42	1764 23	1528 22	3115 24
NE91635	33	3844 29	4432 11	3648 7	4198 22	1710 27	1366 35	3344 5
CI13996	2	3600 40	3629 42	3228 23	3117 45	1738 26	1228 38	2800 40
CI1442	1	2979 45	2873 45	2545 41	3441 43	1410 44	1102 41	2371 44
MEAN		3982	4155	3169	4119	1790	1528	3069
LSD(.05)		736	581	511	752	425	302	554
C.V.		11.4	8.6	9.9	11.2	14.6	12.2	11.1

Table 3. Concluded.

C.I. OR SEL. NO.	ENTRY NO.	HUTCHINSON KANSAS	HAYS KANSAS	MANHATTAN KANSAS	GARDEN CITY KANSAS	WINNER S. DAKOTA	COLUMBIA MISSOURI	REGIONAL AVERAGE
XH1706	39	3939 2	4425 1	3761 7	2849 1	4425 1	2594 42	4008 1
XH1693	38	3750 6	4412 2	4166 2	2512 11	4235 3	3164 34	3988 2
XH1689	37	3587 14	4226 6	3233 26	2658 4	4376 2	3829 7	3953 3
XH1520	35	4049 1	3925 12	3898 4	2606 6	3957 6	3386 24	3821 4
XH1529	36	3431 22	3730 18	3609 9	2371 17	3999 5	3888 5	3777 5
T81	44	3476 20	4145 9	3465 17	2281 21	3560 11	3577 18	3751 6
KS92PO59E	23	3385 24	4165 8	3862 5	2121 28	3311 16	3145 36	3725 7
KS93U206	28	3743 7	4203 7	3399 21	2723 2	3504 12	3690 10	3720 8
KS92PO425-155	26	3346 28	3708 19	3537 11	2440 14	3488 15	4017 3	3708 9
WI89-273-13	40	3496 19	4308 4	3342 22	2653 5	3589 10	3569 19	3686 10
T83	45	3431 22	3824 16	3429 19	2439 15	4071 4	3578 17	3675 11
HBE0726-1	19	3222 34	4230 5	3848 6	2108 29	3737 8	3651 11	3664 12
KS84063-939-3	27	3581 15	2910 36	3320 23	2499 12	2995 26	3372 28	3624 13
KS92PO263-137	24	3873 3	3259 27	3508 13	2490 13	2883 30	3798 9	3623 14
WI89-189-14	41	3626 13	3981 11	4297 1	2519 10	2827 33	3595 15	3609 15
HBZ374C	9	3698 9	3602 22	3624 8	2265 23	3076 22	3293 31	3554 16
OK88767-11	4	3789 5	3849 14	3436 18	2337 18	3304 17	2994 40	3525 17
CO880210	21	3567 16	4315 3	3226 28	2330 19	3037 24	3648 12	3487 18
NE90524	31	3222 35	2984 35	2676 40	2379 16	3683 9	3199 33	3484 19
NE90479	30	3867 4	3033 33	3023 34	2159 26	3865 7	2995 39	3478 20
NE91651	34	3639 12	2762 38	3262 24	1925 38	3495 14	3520 20	3448 21
TX89A7141	16	3294 31	3230 29	3212 29	2076 32	2742 34	3374 26	3426 22
OK90604	6	3652 11	3535 25	3501 15	2155 27	2571 37	3839 6	3417 23
TX89A7137	11	3060 41	3255 28	2701 39	2082 30	2919 29	3332 30	3414 24
PI495594	3	3548 18	3508 26	3494 16	2183 24	2701 35	3889 4	3411 25
T4732	43	3216 36	2304 41	3212 29	2284 20	2652 36	4056 2	3382 26
KS92PO363-134	25	3287 32	1787 44	3226 27	2179 25	3192 18	3817 8	3371 27
T4731	42	3704 8	2156 42	3580 10	2528 9	2011 44	4056 1	3370 28
TX90D9277	10	3352 27	3109 32	3110 32	2032 34	3497 13	3391 23	3368 29
TX92V4135	18	2897 43	3773 17	3016 35	2008 36	3190 19	3342 29	3362 30
TX91V4931	12	3561 17	4046 10	2257 42	2267 22	2343 42	3124 37	3331 31
CO880169	20	3209 37	3842 15	2105 43	2539 8	3163 21	2519 44	3309 32
OK90649	7	3450 21	3006 34	3508 14	2019 35	2378 41	3460 22	3308 33
OK91783	8	3177 38	2831 37	3240 25	1901 39	2829 32	3499 21	3302 34
TX90V6313	17	3379 25	3584 23	3096 33	2659 3	2405 40	3008 38	3298 35
OK88767-02	5	3665 10	3685 20	3935 3	2564 7	2562 38	3231 32	3240 36
CO910927	22	3131 39	3537 24	2763 36	2078 31	3020 25	3638 13	3213 37
TX91V3308	15	3307 30	2488 39	3428 20	1646 43	1870 45	3587 16	3211 38
TX90V8410	13	3326 29	3909 13	2763 37	1980 37	2858 31	2627 41	3204 39
TX90V7911	14	3372 26	3674 21	2756 38	1744 42	2941 28	3162 35	3185 40
N87V106	29	2962 42	3132 31	3204 31	1555 45	3042 23	3613 14	3128 41
NE91608	32	3131 39	2320 40	2394 41	1828 40	2538 39	3382 25	3052 42
NE91635	33	3249 33	1459 45	3530 12	1826 41	2098 43	3374 26	2898 43
CI13996	2	2415 44	3183 30	1099 44	2038 33	3174 20	2577 43	2665 44
CI1442	1	2024 45	2080 43	528 45	1619 44	2961 27	2042 45	2069 45
MEAN		3402	3410	3191	2232	3135	3388	3428
LSD(.05)		483	608	587	413	734	368	247
C.V.		8.7	11.0	11.3	11.4	14.4	6.7	10.2

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	: CENTRAL PLAINS	NORTH- CENTRAL PLAINS	: NORTHERN HIGH PLAINS	: INTER- MOUNTAIN WEST	SOUTHERN HIGH PLAINS	: REGIONAL AVERAGE	:
Number of sites	9	6	6	1	5	28			
XH1706	39	4637 2	3666 3	3380 1	4753 3	2850 1	3772 1		
XH1693	38	4647 1	3796 1	3104 7	4451 6	2540 2	3698 2		
XH1689	37	4399 8	3674 2	3374 2	4771 2	2378 9	3656 3		
XH1520	35	4538 3	3572 4	3052 12	3847 35	2510 3	3585 4		
HBE0726-1	19	4431 4	3327 11	3038 14	4297 14	2345 10	3491 5		
KS92PO59E	23	4387 9	3409 7	3197 3	4321 12	2179 18	3481 6		
T81	44	4421 6	3364 8	3099 8	4609 4	2139 22	3480 7		
KS93U206	28	4410 7	3284 15	3111 6	3954 34	2314 14	3474 8		
XH1529	36	4428 5	3307 13	2806 24	4823 1	2387 8	3470 9		
WI89-273-13	40	4356 10	3352 10	2713 28	4213 21	2502 4	3424 10		
KS92PO425-155	26	4331 11	3313 12	2901 17	4258 18	2239 16	3419 11		
KS84063-939-3	27	4283 13	3131 24	3095 9	4214 20	2443 5	3418 12		
KS92PO263-137	24	4209 16	3227 17	3133 5	4140 27	2331 12	3415 13		
T83	45	4268 14	3506 5	2754 26	4444 7	1911 37	3341 14		
HBZ374C	9	4294 12	3243 16	2918 15	3735 37	2160 20	3337 15		
WI89-189-14	41	4179 17	3416 6	2637 34	4279 17	2081 26	3293 16		
CO880210	21	4096 18	3077 25	2875 19	4121 28	2324 13	3285 17		
NE90524	31	3944 24	3174 22	3078 10	4152 25	2251 15	3272 18		
TX89A7137	11	3827 34	3186 19	3179 4	4410 9	2089 25	3244 19		
NE91651	34	4016 22	3175 21	2802 25	4394 10	2093 23	3228 20		
KS92PO363-134	25	3679 38	3296 14	2827 22	4223 19	2431 6	3216 21		
NE90479	30	3901 28	3363 9	2902 16	4507 5	1952 35	3213 22		
OK88767-11	4	4221 15	3047 27	2608 35	4191 23	2092 24	3199 23		
TX89A7141	16	3940 25	3004 31	3054 11	4167 24	2041 30	3198 24		
CO880169	20	3896 29	2886 38	2895 18	4441 8	2399 7	3168 25		
PI495594	3	3910 27	3140 23	2722 27	4143 26	2005 32	3158 26		
TX90D9277	10	3940 26	3175 20	2587 36	3784 36	2146 21	3140 27		
OK90604	6	4041 20	3019 30	2482 40	4289 16	2001 33	3125 28		
T4732	43	3715 37	3210 18	2844 20	3976 32	1892 38	3116 29		
T4731	42	3769 36	3033 28	2821 23	3675 40	2059 28	3110 30		
TX91V4931	12	4077 19	2665 44	2528 38	4064 29	2343 11	3099 31		
TX90V6313	17	3869 30	2937 36	2672 32	3731 38	2168 19	3073 32		
OK90649	7	3985 23	2974 34	2569 37	4056 30	1803 40	3059 33		
OK91783	8	3852 33	2991 33	2469 41	4033 31	2018 31	3037 34		
TX92V4135	18	4032 21	3030 29	2419 43	4313 13	1674 45	3036 35		
CO910927	22	3579 41	2856 40	2840 21	4293 15	2076 27	3025 36		
TX91V3308	15	3819 35	2818 42	2677 31	3972 33	1887 39	3012 37		
TX90V8410	13	3648 39	2874 39	2710 29	4359 11	2179 17	3008 38		
OK88767-02	5	3858 32	2968 35	2433 42	3637 41	1953 34	2991 39		
TX90V7911	14	3864 31	2839 41	2350 44	3250 44	1937 36	2929 40		
N87V106	29	3601 40	3076 26	2495 39	3713 39	1682 44	2913 41		
NE91608	32	3333 42	2887 37	2669 33	3589 42	2048 29	2877 42		
NE91635	33	2782 44	2997 32	3043 13	4198 22	1688 43	2760 43		
CI13996	2	2810 43	2694 43	2690 30	3117 45	1691 42	2562 44		
CI1442	1	1935 45	2371 45	2273 45	3441 43	1747 41	2125 45		
MEAN		3959	3141	2818	4119	2133	3199		
LSD (.05)		374	485	377	752	470	220		
C.V.		9.4	12.9	13.9	11.2	20.9	12.4		

Table 5. Summary of mean yields (kg/ha) and ranks for 24 wheats grown in the Southern Regional Performance Nursery at 21 sites in 1993 and 1994 with state means and ranks.

C.I. OR SEL. NO.	: ENTRY: : NO. :	: NORTH PLATTE : NEBRASKA :	: HEMING- FORD : NEBRASKA :	: NEBRASKA : STATE MEAN :	: PIERRE : S. DAKOTA :	: WINNER : S. DAKOTA :	: BROOKINGS : S. DAKOTA :	: SOUTH DAKOTA : STATE MEAN :
XH1529	36	3370 14	4980 1	4175 6	4602 8	4285 2	2093 10	3660 2
XH1520	35	3729 7	4664 3	4196 4	4747 4	4475 1	2232 6	3818 1
KS92PO425-155	26	3928 3	4528 9	4228 2	4514 11	4049 4	2119 9	3561 5
KS92PO263-137	24	3971 1	4450 13	4210 3	5160 1	3446 14	2261 5	3622 3
KS92PO59E	23	3953 2	4633 5	4293 1	4696 6	3442 15	2319 3	3486 6
OK88767-11	4	3133 19	4297 16	3715 17	4926 2	3692 10	1762 15	3460 7
KS92PO363-134	25	3772 6	4552 8	4162 7	4048 22	3697 9	2560 2	3435 8
NE90524	31	3783 5	4569 6	4176 5	4472 13	4071 3	1580 21	3374 11
CO880210	21	3157 18	4563 7	3860 16	4827 3	3311 19	1448 22	3195 17
T4731	42	3806 4	4282 17	4044 11	4291 18	3179 22	2306 4	3259 15
NE90479	30	3622 10	4467 12	4045 10	4468 14	3728 8	2027 11	3408 9
TX89A7137	11	3674 9	4634 4	4154 8	4560 9	3687 11	1730 16	3326 12
TX90D9277	10	3377 13	4443 14	3910 14	4420 16	3822 5	2624 1	3622 4
TX89A7141	16	3728 8	4487 11	4107 9	4422 15	3407 17	1423 23	3084 20
PI495594	3	3480 12	4325 15	3902 15	4723 5	3335 18	1224 24	3094 19
CO880169	20	3186 16	4695 2	3941 13	4501 12	3759 6	1647 18	3302 13
TX91V4931	12	3185 17	3890 18	3538 19	4408 17	3159 23	1673 17	3080 21
TX91V3308	15	3074 21	3844 19	3459 20	4532 10	3027 24	2178 8	3246 16
TX90V8410	13	3558 11	4504 10	4031 12	4119 21	3275 21	1594 20	2996 22
TX90V7911	14	2867 22	3750 21	3309 22	4204 20	3425 16	1832 14	3154 18
OK88767-02	5	2462 24	3686 23	3074 23	4634 7	3561 12	1638 19	3278 14
N87V106	29	3368 15	3762 20	3565 18	4243 19	3734 7	2191 7	3389 10
CI13996	2	3124 20	3719 22	3422 21	3208 23	3480 13	1948 13	2879 23
CI1442	1	2591 23	3309 24	2950 24	2507 24	3292 20	1981 12	2594 24
MEAN		3412	4293	3853	4385	3597	1933	3305
LSD(.05)		776	763	N.S.	N.S.	N.S.	N.S.	N.S.
C.V.		11.0	10.8	11.0	11.6	14.2	20.6	14.4

Table 5. Continued.

C.I. OR SEL. NO.	: ENTRY: NO.	: PROSPER TEXAS	: CHILLI- COTHE TEXAS	: BUSHLAND (IRR.) TEXAS	: TEXAS STATE MEAN	: CLOVIS (IRR.) NEW MEXICO	: CLOVIS (DRYL.) NEW MEXICO	: NEW MEXICO STATE MEAN	:
XH1529	36	4134 1	4974 1	7418 1	5509 1	4999 9	697 10	2848 10	:
XH1520	35	3765 6	4651 4	7182 2	5200 3	5233 3	684 11	2958 3	:
KS92PO425-155	26	3852 4	4842 2	7095 3	5263 2	4546 14	731 7	2639 13	:
KS92PO263-137	24	3802 5	4588 6	6181 16	4857 8	5052 8	730 8	2891 7	:
KS92PO59E	23	3656 7	4430 10	7024 5	5037 4	4358 15	603 14	2481 15	:
OK88767-11	4	3564 9	4174 15	6387 13	4708 12	4656 13	552 17	2604 14	:
KS92PO363-134	25	3558 10	4430 10	5614 21	4534 20	5054 7	778 5	2916 6	:
NE90524	31	3879 3	4602 5	6361 14	4947 5	4795 11	532 18	2664 12	:
CO880210	21	3522 13	4292 12	6896 6	4903 7	5383 1	780 4	3081 1	:
T4731	42	3616 8	4449 9	6022 17	4696 14	3689 22	589 15	2139 21	:
NE90479	30	3268 17	4140 18	6335 15	4581 19	4037 18	642 13	2340 17	:
TX89A7137	11	3183 18	4050 20	6814 8	4682 16	5146 4	702 9	2924 5	:
TX90D9277	10	4131 2	4567 7	5608 22	4769 9	4195 16	522 19	2358 16	:
TX89A7141	16	3156 19	4193 14	6836 7	4728 11	5275 2	831 2	3053 2	:
PI495594	3	3269 16	4029 21	6495 12	4598 18	4735 12	966 1	2851 9	:
CO880169	20	3129 20	4150 17	6672 10	4651 17	5138 5	567 16	2853 8	:
TX91V4931	12	3497 14	4266 13	7070 4	4944 6	5131 6	776 6	2953 4	:
TX91V3308	15	3470 15	4814 3	5819 18	4701 13	4053 17	402 23	2228 19	:
TX90V8410	13	3114 21	4166 16	6796 9	4692 15	4874 10	818 3	2846 11	:
TX90V7911	14	2979 22	4566 8	6652 11	4733 10	4020 19	515 20	2268 18	:
OK88767-02	5	3534 12	3851 22	5686 20	4357 22	3813 21	332 24	2072 23	:
N87V106	29	3544 11	4124 19	5800 19	4489 21	4017 20	414 22	2215 20	:
CI13996	2	2573 23	3302 23	5401 23	3759 23	3507 23	666 12	2086 22	:
CI1442	1	1362 24	2643 24	3496 24	2500 24	3059 24	414 21	1737 24	:
<hr/>									
MEAN		3398	4262	6319	4660	4532	640	2586	
LSD(.05)		604	598	1032	673	N.S.	N.S.	N.S.	
C.V.		8.8	6.4	6.6	7.2	15.5	44.4	20.6	

Table 5. Continued.

C.I. OR SEL. NO.	ENTRY: NO.	STILLWATER OKLAHOMA	LAHOMA* OKLAHOMA	GOODWELL OKLAHOMA	OKLAHOMA STATE MEAN	AKRON COLORADO	JULESBURG COLORADO	BURLINGTON COLORADO	COLORADO STATE MEAN
XH1529	36	4281 1	3565 5	5690 2	4985 1	3483 1	3113 4	4598 1	3731 1
XH1520	35	3871 7	3676 3	5448 3	4660 6	3303 4	3398 1	4409 2	3703 2
KS92PO425-155	26	4142 3	3510 6	5411 4	4776 2	3081 11	3096 5	4146 5	3441 5
KS92PO263-137	24	4207 2	3901 1	5207 7	4707 5	3165 8	3019 6	4163 3	3449 4
KS92PO59E	23	4072 5	3621 4	5364 5	4718 4	3168 7	3338 2	4150 4	3552 3
OK88767-11	4	3490 11	3894 2	6058 1	4774 3	3093 10	3129 3	4083 6	3435 6
KS92PO363-134	25	4115 4	3306 12	4581 19	4348 9	2828 21	2527 19	4025 8	3127 17
NE90524	31	2953 15	3313 11	4976 12	3964 15	2843 19	2714 13	3971 9	3176 14
CO880210	21	2937 16	2819 21	4974 13	3955 16	3311 3	2934 10	3693 15	3313 7
T4731	42	3837 8	3098 16	4454 22	4145 12	3129 9	2609 17	3861 10	3199 12
NE90479	30	3349 12	2940 19	5127 9	4238 10	2917 17	2956 9	4027 7	3300 8
TX89A7137	11	2903 18	3124 15	5027 10	3965 14	3270 5	2762 12	3714 13	3248 9
TX90D9277	10	3567 10	3430 8	4491 21	4029 13	2731 22	2958 8	3684 16	3124 18
TX89A7141	16	3049 14	3345 10	4774 17	3912 18	3363 2	2644 16	3712 14	3239 10
PI495594	3	2854 20	2986 17	4785 16	3819 20	3035 14	2704 14	3665 17	3134 16
CO880169	20	2777 21	2895 20	4977 11	3877 19	3199 6	2695 15	3822 11	3239 11
TX91V4931	12	2921 17	3458 7	4944 14	3933 17	3053 12	2997 7	3538 20	3196 13
TX91V3308	15	3930 6	3286 13	4914 15	4422 7	3053 13	2340 21	3815 12	3069 19
TX90V8410	13	2693 22	2803 22	4622 18	3657 22	3022 15	2928 11	3496 21	3148 15
TX90V7911	14	3228 13	3153 14	5136 8	4182 11	2830 20	2437 20	3603 19	2957 21
OK88767-02	5	3592 9	3417 9	5214 6	4403 8	2890 18	2551 18	3634 18	3025 20
N87V106	29	2879 19	2942 18	4497 20	3688 21	2672 23	2332 22	2959 23	2655 23
CI13996	2	1883 23	1760 23	3945 23	2914 23	2935 16	2326 23	3383 22	2882 22
CI1442	1	1528 24	829 24	2713 24	2121 24	2228 24	1587 24	2637 24	2151 24
MEAN		3294	3128	4889	4091	3025	2754	3783	3187
LSD(.05)		633	936	728	767	488	798	813	553
C.V.		9.4	11.0	7.9	8.6	11.3	9.1	10.6	10.6

\* Not included in state or regional averages.

Table 5. Concluded.

C.I. OR SEL. NO.	ENTRY: NO.	HUTCHINSON KANSAS	HAYS* KANSAS	COLBY* KANSAS	GARDEN CITY KANSAS	KANSAS STATE MEAN	COLUMBIA MISSOURI	REGIONAL AVERAGE
XH1529	36	3446 2	4380 1	3135 1	3513 2	3479 2	3268 6	4052 1
XH1520	35	3310 6	4131 2	3109 2	3230 8	3270 5	2821 16	3953 2
KS92PO425-155	26	3213 7	3804 7	2631 14	3710 1	3461 3	3672 3	3926 3
KS92PO263-137	24	3662 1	3488 14	2474 17	3358 4	3510 1	3252 7	3871 4
KS92PO59E	23	3140 9	3920 4	3029 3	3261 6	3200 8	2811 17	3801 5
OK88767-11	4	3106 10	4129 3	2680 12	3187 11	3146 9	2806 18	3672 6
KS92PO363-134	25	3443 3	2337 21	2042 22	3035 16	3239 6	3471 4	3671 7
NE90524	31	2846 14	2504 20	2482 16	3420 3	3133 10	2956 13	3629 8
CO880210	21	2500 21	3902 5	2907 7	3354 5	2927 13	3042 10	3607 9
T4731	42	3401 4	2279 23	1849 24	3252 7	3326 4	3902 1	3593 10
NE90479	30	3339 5	3422 15	2863 9	3132 13	3235 7	2729 19	3573 11
TX89A7137	11	2565 20	3413 16	2893 8	2836 21	2701 22	3045 9	3572 12
TX90D9277	10	3064 11	3109 17	2454 18	2846 20	2955 12	3027 11	3560 13
TX89A7141	16	2566 19	3652 12	2648 13	2991 18	2779 21	3025 12	3549 14
PI495594	3	2499 22	3768 8	2919 6	3220 9	2859 18	3779 2	3507 15
CO880169	20	2583 18	3704 11	2951 5	3212 10	2898 14	2318 22	3502 16
TX91V4931	12	2774 16	3753 9	2976 4	3019 17	2896 15	2584 20	3494 17
TX91V3308	15	2948 13	2290 22	2303 20	2630 22	2789 20	3159 8	3445 18
TX90V8410	13	2639 17	3861 6	2787 10	3134 12	2886 16	2316 23	3426 19
TX90V7911	14	2832 15	3562 13	2569 15	2937 19	2884 17	2856 15	3371 20
OK88767-02	5	3157 8	3751 10	2682 11	3036 15	3097 11	2890 14	3342 21
N87V106	29	3029 12	2512 19	2128 21	2583 23	2806 19	3338 5	3305 22
CI13996	2	2106 23	3107 18	2332 19	3064 14	2585 23	2341 21	2940 23
CI1442	1	1200 24	2033 24	1995 23	2228 24	1714 24	1670 24	2247 24
MEAN		2890	3367	2618	3092	2991	2962	3526
LSD(.05)		953	933	N.S.	559	N.S.	412	364
C.V.		11.3	10.1	15.1	9.9	10.6	10.1	11.2

\* Not included in state or regional averages.

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 1994 Southern Regional Performance Nursery grown at 28 locations.

C.I. OR SEL. NO.	: ENTRY: NO.	: 28 SITE REGIONAL AVERAGE KG/HA	: REGRESSION COEFFICIENT (b)	: CORRELATION COEFFICIENT (r)	: COEFFICIENT OF DETERMINATION ( $r^2$ )
XH1706	39	3772	1.14	0.91	0.84
XH1693	38	3698	1.21	0.96	0.93
XH1689	37	3656	1.00	0.96	0.91
XH1520	35	3585	1.10	0.97	0.95
HBE0726-1	19	3491	1.19	0.95	0.90
KS92PO59E	23	3481	1.08	0.97	0.94
T81	44	3480	1.18	0.99	0.97
KS93U206	28	3474	1.09	0.97	0.94
XH1529	36	3470	1.12	0.96	0.92
WI89-273-13	40	3424	1.03	0.95	0.90
KS92PO425-155	26	3419	1.11	0.98	0.96
KS84063-939-3	27	3418	1.15	0.97	0.93
KS92PO263-137	24	3415	1.05	0.97	0.94
T83	45	3341	1.08	0.94	0.89
HBZ374C	9	3337	1.05	0.97	0.94
WI89-189-14	41	3293	1.05	0.94	0.88
CO880210	21	3285	1.01	0.96	0.93
NE90524	31	3272	1.01	0.96	0.92
TX89A7137	11	3244	1.04	0.96	0.93
NE91651	34	3228	1.09	0.97	0.94
KS92PO363-134	25	3216	1.00	0.91	0.83
NE90479	30	3213	0.94	0.95	0.89
OK88767-11	4	3199	1.05	0.94	0.89
TX89A7141	16	3198	1.06	0.97	0.94
CO880169	20	3168	1.04	0.93	0.87
PI495594	3	3158	1.01	0.96	0.93
TX90D9277	10	3140	0.86	0.95	0.90
OK90604	6	3125	1.06	0.97	0.93
T4732	43	3116	0.91	0.91	0.83
T4731	42	3110	0.92	0.91	0.83
TX91V4931	12	3099	1.02	0.93	0.86
TX90V6313	17	3073	0.96	0.97	0.94
OK90649	7	3059	0.99	0.95	0.91
OK91783	8	3037	0.98	0.97	0.95
TX92V4135	18	3036	1.08	0.95	0.91
CO910927	22	3025	0.96	0.96	0.93
TX91V3308	15	3012	1.00	0.94	0.87
TX90V8410	13	3008	0.88	0.95	0.91
OK88767-02	5	2991	0.95	0.93	0.87
TX90V7911	14	2929	0.96	0.95	0.89
N87V106	29	2913	1.00	0.96	0.92
NE91608	32	2877	0.82	0.94	0.89
NE91635	33	2760	0.68	0.74	0.55
CI13996	2	2562	0.64	0.80	0.64
CI1442	1	2125	0.44	0.57	0.32



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 45 entries in the 1993 and 1994 Southern Regional Performance Nursery grown at 18 locations.

C.I. OR SEL. NO.	: ENTRY: NO.	: 18 SITE REGIONAL AVERAGE KG/HA	: REGRESSION COEFFICIENT (b)	: CORRELATION COEFFICIENT (r)	: COEFFICIENT OF DETERMINATION (r <sup>2</sup> )
XH1529	36	4052	1.18	0.98	0.96
XH1520	35	3953	1.12	0.98	0.96
KS92PO425-155	26	3926	1.08	0.97	0.95
KS92PO263-137	24	3871	1.01	0.97	0.94
KS92PO59E	23	3801	1.05	0.98	0.95
OK88767-11	4	3672	1.13	0.96	0.92
KS92PO363-134	25	3671	0.85	0.93	0.85
NE90524	31	3629	1.04	0.98	0.96
CO880210	21	3607	1.11	0.97	0.94
T4731	42	3593	0.87	0.93	0.86
NE90479	30	3573	0.98	0.97	0.94
TX89A7137	11	3572	1.08	0.98	0.95
TX90D9277	10	3560	0.87	0.96	0.92
TX89A7141	16	3549	1.09	0.96	0.93
PI495594	3	3507	1.03	0.95	0.91
CO880169	20	3502	1.08	0.98	0.95
TX91V4931	12	3494	1.10	0.97	0.95
TX91V3308	15	3445	0.98	0.95	0.90
TX90V8410	13	3426	1.10	0.96	0.92
TX90V7911	14	3371	1.05	0.98	0.95
OK88767-02	5	3342	0.96	0.95	0.90
N87V106	29	3305	0.91	0.96	0.92
CI13996	2	2940	0.79	0.92	0.85
CI1442	1	2247	0.51	0.76	0.58