

Table 18. Summary of mean yields (kg/ha) of 34 wheats grown in the 1992 Northern Regional Performance Nursery at 17 locations with state means and ranks.

VARIETY OR PEDIGREE	: : C.I. OR : SEL. NO.	: : ENTRY: : NO. :	: : LINCOLN : NEBRASKA :	: : NORTH : PLATTE : NEBRASKA :	: : HEMING- : FORD : NEBRASKA :	: : NEBRASKA : STATE MEAN :
Quantum Hybrid Wheat	XNH1605	28	3794 15	3595 14	4809 2	4066 3
Quantum Hybrid Wheat	XNH1629	29	3478 21	3263 19	4978 1	3906 7
Wnk/SD6914//Siouxland	ND8844	13	4052 7	3898 6	4765 3	4238 2
Seward sib/NE80413	ND8944	17	4510 1	4071 5	4182 6	4254 1
TX80GH2679/Brule seIn.	NE89522	23	3833 12	2689 31	4217 5	3580 19
Seward/SD76705	ND8955	18	4041 8	4120 4	3978 11	4046 4
NAPB 80300/Centurk 78	SD89102	12	3796 14	4321 2	3995 8	4038 5
Brule/3/Pkr*4/Agent//Bel. 198/Lcr	NE89657	25	4322 5	3632 12	3644 23	3866 10
TX78V3630/Lco	SD88137	5	4369 3	3474 15	3435 28	3759 12
Rri/Siouxland	SD88171	6	3359 26	3630 13	3983 10	3657 16
Mvr/KS79397//Nsr/3/Siouxland	ND8892	14	3832 13	3319 18	4567 4	3906 8
Nsr/4/Ctk//Wnk/Uln/3/SD76694	ND8933	16	3685 16	3242 20	3723 20	3550 20
Lco/Frd//NE69559/Wnk/3/NeII	SD87143	8	4339 4	2224 34	3909 13	3491 22
Bennett/Dawn	SD89204	11	4004 9	3699 9	4151 7	3951 6
Brule/Dawn	SD88191	9	3356 27	2736 29	3242 30	3111 28
Siouxland/NE7060	NE89479	22	3657 18	3666 10	3873 14	3732 13
Roughrider	ROUGH RIDER	2	3497 20	3869 7	3767 15	3711 14
Bnz//Frd/Lcr/3/Bnz/Mrt-2	ND89142	19	3412 24	3094 22	3750 16	3419 24
Brule/Dawn	SD88185	7	3417 23	2933 23	3989 9	3446 23
Brule/Dawn	SD88201	4	3892 11	3740 8	3740 18	3791 11
Quantum Hybrid Wheat	XNH1598	27	3088 28	3347 16	3676 21	3370 25
Winalta/Bezostaya	W-193	32	2276 31	2912 25	3427 29	2872 33
Nsr/3/Mnt/NB68466//SD76705	ND8930	15	3425 22	2307 33	3152 33	2961 30
Bennett/Rose	SD89271	10	4274 6	2718 30	3583 24	3525 21
T. Diccocoides/Brule//Arkan	NE88536	20	3662 17	4218 3	3741 17	3874 9
Msc/Ctk A+//Iul	MT8713	30	2213 34	2925 24	3492 26	2876 32
Lancota seIn/Sxld//TX792729	NE89526	24	4480 2	3180 21	3214 31	3625 18
Rri/MT6928	MT8719	31	2376 30	3328 17	3475 27	3060 29
Colt	COLT	3	3980 10	2796 28	3207 32	3328 26
Winalta/Bezostaya	W-198	33	2274 32	2467 32	3670 22	2804 34
Quantum Hybrid Wheat	XNH1597	26	3030 29	2870 27	3734 19	3211 27
Colt*2/Chisholm	NE87513	21	3565 19	4525 1	3039 34	3710 15
Winalta/Bezostaya	W-236	34	2222 33	2905 26	3531 25	2886 31
SCOUT 66	SCOUT66	1	3372 25	3640 11	3956 12	3656 17
MEAN			3555	3334	3812	3567
LSD(.05)			719	1073	582	813
C.V.			12.4	19.7	9.3	14.0

Table 18. Continued.

C.I. OR SEL. NO.	: ENTRY: NO.	SIDNEY MONTANA	: MOCCASIN MONTANA	: BOZEMAN MONTANA	: MONTANA STATE MEAN	: WILLISTON N. DAKOTA	: CASSELTON N. DAKOTA	: CARRINGTON N. DAKOTA	: NORTH DAKOTA STATE MEAN
XNH1605	28	7217 1	2358 2	8520 1	6032 1	3627 3	2864 16	838 34	2443 16
XNH1629	29	6839 3	2479 1	8084 2	5801 2	3967 1	2148 25	1242 24	2452 15
ND8844	13	6355 6	1482 9	6163 20	4667 10	3651 2	2997 14	1461 18	2703 10
ND8944	17	6710 4	984 21	7247 4	4980 4	3611 4	4124 3	1649 14	3128 2
NE89522	23	5712 23	2058 3	6867 10	4879 5	2627 24	3478 9	926 32	2344 19
ND8955	18	6907 2	547 34	6214 19	4556 12	3314 8	3863 6	2092 3	3089 3
SD89102	12	6459 5	1134 16	5896 23	4496 15	2947 18	3375 12	1504 16	2608 14
NE89657	25	5614 24	702 31	6696 12	4337 22	2259 30	4271 2	1404 19	2645 12
SD88137	5	6063 10	1228 14	6047 21	4446 17	2801 22	4284 1	1303 22	2796 7
SD88171	6	5385 26	1316 12	5596 29	4099 28	3005 17	3395 10	2077 4	2825 6
ND8892	14	5896 19	944 24	5688 28	4176 27	3087 14	3377 11	1873 10	2779 8
ND8933	16	6040 11	1031 18	4847 33	3973 30	3367 6	4047 4	2603 1	3339 1
SD87143	8	5221 29	1506 8	6358 18	4362 19	2868 20	3972 5	2103 2	2981 5
SD89204	11	6145 8	1410 10	6627 14	4728 7	2344 28	2335 22	1251 23	1977 25
SD88191	9	5929 15	603 33	7615 3	4716 8	2942 19	2379 21	1921 9	2414 18
NE89479	22	5108 30	901 26	6952 9	4320 23	2858 21	3626 8	1808 11	2764 9
ROUGH RIDER	2	5888 20	809 28	5193 31	3964 31	3351 7	2696 20	1989 6	2679 11
ND89142	19	5914 16	1085 17	5586 30	4195 26	3025 16	2889 15	1959 8	2625 13
SD88185	7	5914 16	1235 13	6981 8	4710 9	1847 33	2730 19	1112 26	1896 30
SD88201	4	6126 9	942 25	6010 22	4359 20	3044 15	2817 17	1387 20	2416 17
XNH1598	27	5973 13	1939 5	7171 6	5028 3	2730 23	1092 33	874 33	1565 33
W-193	32	5938 14	1401 11	7015 7	4785 6	3176 12	1658 30	1804 12	2212 21
ND8930	15	5845 21	742 30	4929 32	3839 33	3382 5	3760 7	1963 7	3035 4
SD89271	10	5901 18	1849 6	5730 26	4493 16	2479 26	1910 27	1146 25	1845 31
NE88536	20	5346 27	901 27	6811 11	4353 21	2529 25	2748 18	1013 29	2097 24
MT8713	30	6009 12	975 22	6621 15	4535 13	3211 11	1653 31	2048 5	2304 20
NE89526	24	4744 34	1031 19	5891 24	3889 32	1957 31	3098 13	1530 15	2195 22
MT8719	31	5582 25	782 29	6551 17	4305 24	3233 10	1664 29	947 31	1948 29
COLT	3	5045 31	975 22	6667 13	4229 25	1734 34	2011 26	956 30	1567 32
W-198	33	5835 22	1601 7	5738 25	4391 18	3301 9	1537 32	1472 17	2103 23
XNH1597	26	5252 28	1029 20	7235 5	4505 14	2371 27	872 34	1065 28	1436 34
NE87513	21	4968 32	664 32	6567 16	4066 29	1853 32	2315 24	1707 13	1958 28
W-236	34	6170 7	1946 4	5716 27	4610 11	3125 13	1706 28	1092 27	1974 26
SCOUT66	1	4927 33	1168 15	4829 34	3641 34	2286 29	2330 23	1307 21	1974 27
MEAN		5852	1228	6372	4484	2880	2765	1513	2386
LSD(.05)		985	479	742	923	499	949	906	918
C.V.		12.0	23.9	8.3	11.6	12.3	16.8	36.7	18.7

Table 18. Continued.

C.I. OR SEL. NO.	ENTRY: NO.	SHERIDAN WYOMING	ARCHER WYOMING	WYOMING STATE MEAN	PIERRE S. DAKOTA	WINNER S. DAKOTA	SOUTH DAKOTA STATE MEAN
XNH1605	28	2338 1	1134 3	1736 1	2582 3	3600 17	3091 7
XNH1629	29	1849 4	1125 4	1487 3	3062 1	4712 2	3887 1
ND8844	13	1677 8	1116 5	1397 8	2390 5	5133 1	3762 2
ND8944	17	1796 7	894 16	1345 10	1778 18	3519 19	2649 16
NE89522	23	1800 6	1199 1	1500 2	2325 6	3883 11	3104 6
ND8955	18	2040 3	845 19	1443 4	1397 27	3867 12	2632 18
SD89102	12	1569 15	944 12	1256 14	2298 7	4414 3	3356 4
NE89657	25	2145 2	668 30	1407 6	2004 12	3154 27	2579 21
SD88137	5	1367 23	726 25	1047 28	1374 28	3618 15	2496 23
SD88171	6	1822 5	1047 9	1435 5	1439 24	3970 10	2705 15
ND8892	14	1385 22	1114 6	1250 15	1872 14	3598 18	2735 14
ND8933	16	1450 18	708 29	1079 24	1811 16	4210 4	3011 10
SD87143	8	1450 18	717 27	1084 23	1791 17	3972 9	2882 12
SD89204	11	1316 28	646 32	981 32	1883 13	2963 30	2423 25
SD88191	9	1551 16	863 17	1207 17	2035 11	4125 7	3080 8
NE89479	22	1298 30	780 22	1039 29	1455 22	3600 16	2527 22
ROUGH RIDER	2	1533 17	910 14	1222 16	2094 9	4134 6	3114 5
ND89142	19	1432 20	843 20	1138 21	2237 8	3629 14	2933 11
SD88185	7	1630 11	1024 10	1327 11	1027 31	3380 23	2204 28
SD88201	4	1666 9	1072 8	1369 9	1533 21	3723 13	2628 19
XNH1598	27	1630 11	995 11	1312 12	2060 10	3111 28	2586 20
W-193	32	1356 26	935 13	1145 20	1708 20	3201 26	2455 24
ND8930	15	1358 25	614 33	986 31	2966 2	4143 5	3554 3
SD89271	10	1296 31	847 18	1072 25	1863 15	3419 22	2641 17
NE88536	20	1282 32	897 15	1089 22	715 34	2782 33	1749 33
MT8713	30	1365 24	666 31	1015 30	1453 23	3212 25	2332 26
NE89526	24	1580 14	720 26	1150 19	1430 25	2966 29	2198 29
MT8719	31	1356 27	764 23	1060 26	2580 4	3493 20	3036 9
COLT	3	1430 21	1089 7	1260 13	1412 26	2914 32	2163 30
W-198	33	1661 10	1148 2	1404 7	1110 30	3459 21	2284 27
XNH1597	26	1184 33	567 34	875 34	1258 29	2950 31	2104 32
NE87513	21	1105 34	713 28	909 33	953 32	2295 34	1624 34
W-236	34	1598 13	733 24	1166 18	1710 19	3979 8	2845 13
SCOUT66	1	1311 29	796 21	1054 27	865 33	3369 24	2117 31
MEAN		1548	878	1213	1779	3603	2691
LSD(.05)		573	N.S.	358	979	1139	735
C.V.		22.7	36.7	27.8	33.7	19.4	24.2

Table 18. Concluded.

C.I. OR SEL. NO.	ENTRY: NO.	WASECA MINNESOTA	ROSEMOUNT MINNESOTA	MINNESOTA STATE MEAN	ABERDEEN IDAHO	LIND WASHINGTON	REGIONAL AVERAGE
XNH1605	28	4536 3	4208 16	4372 4	6715 4	1346 9	3770 1
XNH1629	29	3115 29	3992 23	3554 27	7582 1	1369 7	3723 2
ND8844	13	4820 1	3921 26	4370 5	5736 15	1460 4	3593 3
ND8944	17	3501 23	4573 5	4037 16	5461 21	1272 18	3522 4
NE89522	23	4326 6	4407 11	4367 6	7287 2	1001 30	3449 5
ND8955	18	4028 12	5140 1	4584 2	4734 28	1207 20	3431 6
SD89102	12	3989 13	4066 20	4028 17	6009 9	1049 29	3398 7
NE89657	25	4749 2	4425 9	4587 1	5760 13	864 33	3313 8
SD88137	5	3796 18	3490 32	3643 25	6395 6	1339 11	3242 9
SD88171	6	4105 10	3979 24	4042 15	5578 20	1395 6	3240 10
ND8892	14	4403 5	3912 27	4157 10	4563 31	1263 19	3217 11
ND8933	16	4191 9	4268 13	4230 9	4116 33	1129 26	3204 12
SD87143	8	3736 21	4835 2	4286 8	3988 34	1144 24	3184 13
SD89204	11	2486 33	4064 21	3275 32	7155 3	1329 12	3165 14
SD88191	9	3788 19	4486 8	4137 12	5642 19	489 34	3159 16
NE89479	22	2497 32	4539 6	3518 30	5736 15	1354 8	3159 15
ROUGH RIDER	2	4253 8	3519 31	3886 20	4751 27	1139 25	3141 17
ND89142	19	4099 11	4138 17	4118 13	4946 25	1075 28	3124 18
SD88185	7	4453 4	3842 29	4148 11	5673 17	1519 1	3100 19
SD88201	4	2758 31	4347 12	3552 28	4563 31	1320 13	3099 20
XNH1598	27	3534 22	4613 4	4074 14	5367 22	1341 10	3091 21
W-193	32	3400 24	4409 10	3905 19	6207 7	1506 3	3078 22
ND8930	15	3873 16	3208 34	3540 29	4879 26	1161 22	3042 23
SD89271	10	2976 30	4248 14	3612 26	6005 10	1123 27	3022 24
NE88536	20	3183 27	4237 15	3710 23	5750 14	1290 15	3006 25
MT8713	30	3840 17	3923 25	3882 22	5908 12	1201 21	2983 26
NE89526	24	4261 7	4519 7	4390 3	5071 23	897 32	2975 27
MT8719	31	3753 20	4017 22	3885 21	5054 24	1146 23	2947 28
COLT	3	3929 15	4113 19	4021 18	6527 5	1275 17	2945 29
W-198	33	3288 25	3636 30	3462 31	6053 8	1514 2	2927 30
XNH1597	26	3964 14	4654 3	4309 7	5948 11	1431 5	2907 31
NE87513	21	3226 26	4129 18	3678 24	5662 18	921 31	2836 32
W-236	34	1261 34	3851 28	2556 34	4657 30	1279 16	2793 33
SCOUT66	1	3133 28	3293 33	3213 33	4701 29	1307 14	2741 34
MEAN		3684	4147	3915	5594	1219	3163
LSD(.05)		N.S.	658	N.S.	1883	272	367
C.V.		33.6	9.7	23.5	16.5	13.7	17.8

Table 19. Summary of mean yields (kg/ha) and ranks of 34 wheats grown in the 1992 Northern Regional Performance Nursery at 7 locations from which a CV of 15 or less and a significant F test for entries were obtained.

C.I. OR SEL. NO.	ENTRY: NO.	LINCOLN NEBRASKA	HEMING- FORD NEBRASKA	ROSEMOUNT MINNESOTA	SIDNEY MONTANA	BOZEMAN MONTANA	WILLISTON N. DAKOTA	LIND WASHINGTON	REGIONAL AVERAGE
XNH1605	28	3794 15	4809 2	4208 16	7217 1	8520 1	3627 3	1346 9	4789 1
XNH1629	29	3478 21	4978 1	3992 23	6839 3	8084 2	3967 1	1369 7	4673 2
ND8944	17	4510 1	4182 6	4573 5	6710 4	7247 4	3611 4	1272 18	4586 3
ND8955	18	4041 8	3978 11	5140 1	6907 2	6214 19	3314 8	1207 20	4400 4
ND8844	13	4052 7	4765 3	3921 26	6355 6	6163 20	3651 2	1460 4	4338 5
SD87143	8	4339 4	3909 13	4835 2	5221 29	6358 18	2868 20	1144 24	4096 6
SD89204	11	4004 9	4151 7	4064 21	6145 8	6627 14	2344 28	1329 12	4095 7
NE89522	23	3833 12	4217 5	4407 11	5712 23	6867 10	2627 24	1001 30	4095 8
XNH1598	27	3088 28	3676 21	4613 4	5973 13	7171 6	2730 23	1341 10	4085 9
SD88201	4	3892 11	3740 18	4347 12	6126 9	6010 22	3044 15	1320 13	4068 10
NE89479	22	3657 18	3873 14	4539 6	5108 30	6952 9	2858 21	1354 8	4049 11
ND8892	14	3832 13	4567 4	3912 27	5896 19	5688 28	3087 14	1263 19	4035 12
SD89102	12	3796 14	3995 8	4066 20	6459 5	5896 23	2947 18	1049 29	4030 13
SD88191	9	3356 27	3242 30	4486 8	5929 15	7615 3	2942 19	489 34	4008 14
NE89657	25	4322 5	3644 23	4425 9	5614 24	6696 12	2259 30	864 33	3975 15
W-193	32	2276 31	3427 29	4409 10	5938 14	7015 7	3176 12	1506 3	3964 16
XNH1597	26	3030 29	3734 19	4654 3	5252 28	7235 5	2371 27	1431 5	3958 17
NE88536	20	3662 17	3741 17	4237 15	5346 27	6811 11	2529 25	1290 15	3945 18
SD88137	5	4369 3	3435 28	3490 32	6063 10	6047 21	2801 22	1339 11	3935 19
SD88185	7	3417 23	3989 9	3842 29	5914 16	6981 8	1847 33	1519 1	3930 20
SD89271	10	4274 6	3583 24	4248 14	5901 18	5730 26	2479 26	1123 27	3905 21
ND8933	16	3685 16	3723 20	4268 13	6040 11	4847 33	3367 6	1129 26	3866 22
ND89142	19	3412 24	3750 16	4138 17	5914 16	5586 30	3025 16	1075 28	3843 23
SD88171	6	3359 26	3983 10	3979 24	5385 26	5596 29	3005 17	1395 6	3814 24
MT8713	30	2213 34	3492 26	3923 25	6009 12	6621 15	3211 11	1201 21	3810 25
MT8719	31	2376 30	3475 27	4017 22	5582 25	6551 17	3233 10	1146 23	3769 26
ROUGH RIDER	2	3497 20	3767 15	3519 31	5888 20	5193 31	3351 7	1139 25	3765 27
COLT	3	3980 10	3207 32	4113 19	5045 31	6667 13	1734 34	1275 17	3717 28
W-198	33	2274 32	3670 22	3636 30	5835 22	5738 25	3301 9	1514 2	3710 29
W-236	34	2222 33	3531 25	3851 28	6170 7	5716 27	3125 13	1279 16	3699 30
NE89526	24	4480 2	3214 31	4519 7	4744 34	5891 24	1957 31	897 32	3672 31
ND8930	15	3425 22	3152 33	3208 34	5845 21	4929 32	3382 5	1161 22	3586 32
NE87513	21	3565 19	3039 34	4129 18	4968 32	6567 16	1853 32	921 31	3577 33
SCOUT66	1	3372 25	3956 12	3293 33	4927 33	4829 34	2286 29	1307 14	3424 34
MEAN		3555	3812	4147	5852	6372	2880	1219	3977
LSD (.05)		719	582	658	985	742	499	272	563
C.V.		12.4	9.3	9.7	12.0	8.3	12.3	13.7	11.4

Table 20. Summary of mean yields (kg/ha) and ranks of 34 wheats grown in the Northern Regional Performance Nursery for 5 intra-regional production zones (after Peterson, 1992).

C.I. OR SEL. NO.	: ENTRY: NO.	: NORTH- CENTRAL PLAINS	: NORTHERN HIGH PLAINS	: NORTHERN PLAINS	: NORTH- WEST PLAINS	: NORTH- WEST	: REGIONAL AVERAGE
No. of locations	5	4	2	3	3	17	
XNH1605	28	3947 6	3749 2	1851 22	4476 2	4075 1	3770 1
XNH1629	29	3712 15	3884 1	1695 27	4623 1	3977 2	3723 2
ND8844	13	4365 1	3324 4	2229 15	4132 3	3035 11	3593 3
ND8944	17	4035 5	3083 9	2886 4	4033 5	3168 8	3522 4
NE89522	23	3828 10	3626 3	2202 16	3555 19	3309 4	3449 5
ND8955	18	4239 2	2899 20	2977 3	3872 7	2656 27	3431 6
SD89102	12	4117 3	3129 7	2439 11	3901 6	2693 26	3398 7
NE89657	25	4056 4	3054 12	2838 6	3292 25	2754 24	3313 8
SD88137	5	3749 14	2981 14	2793 7	3413 23	2871 20	3242 9
SD88171	6	3808 13	3108 8	2736 8	3277 26	2769 22	3240 10
ND8892	14	3813 12	2907 19	2625 10	3618 14	2632 28	3217 11
ND8933	16	3919 7	2499 34	3325 1	3739 10	2336 33	3204 12
SD87143	8	3821 11	2516 32	3038 2	3294 24	3003 12	3184 13
SD89204	11	3443 27	3317 5	1793 25	3457 20	3122 9	3165 14
SD88191	9	3698 16	2825 23	2150 17	3635 13	2903 18	3159 16
NE89479	22	3592 21	2922 16	2717 9	3140 27	3069 10	3159 15
ROUGH RIDER	2	3854 9	2740 26	2342 13	3778 9	2381 32	3141 17
ND89142	19	3674 18	2743 25	2424 12	3726 11	2582 30	3124 18
SD88185	7	3605 20	3079 10	1921 20	2929 29	3245 6	3100 19
SD88201	4	3692 17	2760 24	2102 18	3568 17	2757 23	3099 20
XNH1598	27	3539 24	2917 18	983 33	3588 16	3484 3	3091 21
W-193	32	3240 31	2981 13	1731 26	3607 15	3307 5	3078 22
ND8930	15	3391 29	2501 33	2861 5	4064 4	2277 34	3042 23
SD89271	10	3527 25	2933 15	1528 28	3414 22	2901 19	3022 24
NE88536	20	3616 19	2917 17	1880 21	2864 30	3001 13	3006 25
MT8713	30	3223 32	2858 22	1851 23	3558 18	2932 17	2983 26
NE89526	24	3881 8	2646 29	2314 14	2710 32	2606 29	2975 27
MT8719	31	3393 28	2662 28	1305 32	3798 8	2827 21	2947 28
COLT	3	3547 23	3063 11	1483 30	2730 31	2973 15	2945 29
W-198	33	3025 33	3133 6	1505 29	3415 21	2951 16	2927 30
XNH1597	26	3493 26	2858 21	968 34	2960 28	3232 7	2907 31
NE87513	21	3548 22	2630 31	2011 19	2591 34	2717 25	2836 32
W-236	34	2844 34	2630 30	1399 31	3668 12	2980 14	2793 33
SCOUT66	1	3361 30	2691 27	1818 24	2693 33	2435 31	2741 34
MEAN		3665	2958	2139	3504	2940	3163
LSD(.05)		714	602	1196	580	894	367
C.V.		20.4	17.4	26.1	15.5	11.9	17.8

Table 21. Summary of mean yields (kg/ha) and ranks for 8 wheats grown in the Northern Regional Performance Nursery at 12 sites in 1991 and 1992 with state means and ranks.

C.I. OR SEL. NO.	ENTRY: NO.	LINCOLN NEBRASKA	NORTH PLATTE NEBRASKA	NEBRASKA STATE MEAN	WASECA MINNESOTA	ROSEMOUNT MINNESOTA	MINNESOTA STATE MEAN	ARCHER WYOMING	PIERRE S. DAKOTA
ND8844	13	2711 5	2821 1	2766 2	3535 2	2793 7	3164 5	1485 3	2839 1
SD88137	5	2772 2	2491 4	2631 3	3395 3	3254 3	3325 2	1481 4	2651 2
ND8892	14	2549 6	2513 3	2531 5	3281 6	3094 6	3187 4	1556 1	2286 5
SD88171	6	2391 8	2464 5	2427 7	3338 4	3224 5	3281 3	1279 6	2248 7
SD88201	4	2747 4	2325 7	2536 4	2841 8	3457 2	3149 7	1546 2	2543 3
NE88536	20	2755 3	2807 2	2781 1	3078 7	3247 4	3163 6	1182 7	2000 8
COLT	3	2997 1	1892 8	2444 6	3282 5	3507 1	3395 1	1381 5	2317 4
ROUGH RIDER	2	2430 7	2409 6	2420 8	3559 1	2692 8	3126 8	846 8	2262 6
MEAN		2669	2465	2567	3289	3158	3224	1344	2393
LSD(.05)		N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
C.V.		12.3	13.3	12.8	24.6	12.3	19.7	25.0	23.5

66

Table 21. Concluded.

C.I. OR SEL. NO.	ENTRY: NO.	SIDNEY MONTANA	BOZEMAN MONTANA	MONTANA STATE MEAN	WILLISTON N. DAKOTA	CASSELTON N. DAKOTA	CARRINGTON N. DAKOTA	NORTH DAKOTA STATE MEAN	ABERDEEN IDAHO	REGIONAL AVERAGE
ND8844	13	4810 1	5862 1	5336 1	3000 1	3592 4	2170 5	2921 4	6143 5	3480 1
SD88137	5	3784 6	5082 6	4433 6	2418 6	4376 1	2608 1	3134 1	6773 3	3424 2
ND8892	14	4233 3	5147 5	4690 2	2689 3	3733 3	2519 2	2980 2	6040 6	3303 3
SD88171	6	3902 5	5042 7	4472 5	2687 4	3791 2	2418 4	2965 3	6597 4	3282 4
SD88201	4	4045 4	5225 3	4635 3	2572 5	3564 5	1859 6	2665 6	6000 7	3227 5
NE88536	20	3549 7	5551 2	4550 4	2272 7	3491 6	1449 8	2404 7	7116 2	3208 6
COLT	3	3213 8	5175 4	4194 8	1878 8	3180 8	1500 7	2186 8	7592 1	3159 7
ROUGH RIDER	2	4390 2	4445 8	4418 7	2854 2	3325 7	2516 3	2898 5	5600 8	3111 8
MEAN		3991	5181	4586	2546	3632	2130	2769	6483	3273
LSD(.05)		N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
C.V.		16.5	14.2	15.2	10.9	8.2	22.5	13.1	11.9	16.5

Table 22. Mean yield, regression coefficient, correlation coefficient, and coefficient of determination from linear regression analysis of variety mean yield on nursery mean yield for the 45 entries in the 1992 Northern Regional Performance Nursery grown at 17 locations.

C.I. OR SEL. NO.	: ENTRY: NO.	: 17 SITE REGIONAL AVERAGE KG/HA	: REGRESSION COEFFICIENT (b)	: CORRELATION COEFFICIENT (r)	: COEFFICIENT OF DETERMINATION (r ²)
XNH1605	28	3770	1.22	0.97	0.93
XNH1629	29	3723	1.19	0.94	0.88
ND8844	13	3593	1.00	0.96	0.93
ND8944	17	3522	1.10	0.97	0.95
NE89522	23	3449	1.09	0.96	0.92
ND8955	18	3431	1.03	0.95	0.90
SD89102	12	3398	1.03	0.98	0.95
NE89657	25	3313	1.05	0.95	0.90
SD88137	5	3242	1.04	0.96	0.92
SD88171	6	3240	0.88	0.98	0.96
ND8892	14	3217	0.90	0.96	0.93
ND8933	16	3204	0.81	0.90	0.82
SD87143	8	3184	0.87	0.92	0.84
SD89204	11	3165	1.13	0.96	0.92
SD88191	9	3159	1.13	0.97	0.95
NE89479	22	3159	1.02	0.96	0.93
ROUGH RIDER	2	3141	0.86	0.96	0.91
ND89142	19	3124	0.90	0.98	0.97
SD88185	7	3100	1.07	0.97	0.95
SD88201	4	3099	0.94	0.97	0.94
XNH1598	27	3091	1.03	0.95	0.91
W-193	32	3078	1.05	0.96	0.92
ND8930	15	3042	0.81	0.91	0.82
SD89271	10	3022	0.98	0.97	0.93
NE88536	20	3006	1.07	0.97	0.94
MT8713	30	2983	1.05	0.96	0.93
NE89526	24	2975	0.92	0.95	0.90
MT8719	31	2947	0.99	0.96	0.92
COLT	3	2945	1.06	0.96	0.92
W-198	33	2927	0.93	0.94	0.89
XNH1597	26	2907	1.12	0.96	0.92
NE87513	21	2836	1.03	0.95	0.90
W-236	34	2793	0.87	0.90	0.81
SCOUT66	1	2741	0.82	0.97	0.93

Table 23. Mean yield, regression coefficient, correlation coefficient, and coefficient of determination from linear regression analysis of variety mean yield on nursery mean yield for the 8 entries in the 1991 and 1992 Northern Regional Performance Nursery grown at 12 locations.

C.I. OR SEL. NO.	: ENTRY: NO.	: 12 SITE REGIONAL AVERAGE KG/HA	: REGRESSION COEFFICIENT (b)	: CORRELATION COEFFICIENT (r)	: COEFFICIENT OF DETERMINATION (r ²)
ND8844	13	3480	0.96	0.95	0.91
SD88137	5	3424	1.02	0.96	0.91
ND8892	14	3303	0.93	0.98	0.96
SD88171	6	3282	0.97	0.99	0.98
SD88201	4	3227	0.98	0.97	0.95
NE88536	20	3208	1.14	0.98	0.95
COLT	3	3159	1.14	0.96	0.92
ROUGH RIDER	2	3111	0.86	0.95	0.91