

Table 2. Summary of mean yields (kg/ha) of 29 wheats grown in the 1999 NRPN.

line	entry	region		North Platte, Nebraska		Alliance, Nebraska		Lincoln, Nebraska		Imperial, Nebraska		Nebraska State	
		mean	rank	mean	rank	mean	rank	mean	rank	mean	rank	mean	rank
XH1888	26	5375	1	3885	10	3607	2	4577	2	5250	7	4330	1
XH9806	27	5212	2	3176	25	3347	10	4862	1	4951	12	4084	4
N95L1229	25	4722	3	4311	3	2698	28	3746	11	4974	11	3932	9
N95L1226	24	4710	4	4337	2	2849	25	3590	13	5397	4	4043	6
NE96649	22	4685	5	3905	9	3531	5	4033	5	5156	8	4156	3
NE94654	15	4673	6	4238	4	3399	8	3043	21	5133	9	4036	7
NE95473	17	4622	7	3566	18	3016	20	3766	10	5406	3	3939	8
NE95553	18	4573	8	3929	8	3254	12	3386	17	4697	17	3816	15
NH9803	28	4555	9	4222	5	3364	9	2498	27	5628	2	3928	10
NE95510	20	4516	10	3766	13	3592	3	3412	16	4700	16	3868	12
SD95218	10	4489	11	3545	19	3516	6	3447	15	4628	18	3784	16
NW97S195	23	4480	12	3790	11	3102	15	2911	23	5299	5	3775	17
SD95203	13	4463	13	4200	6	2774	26	4285	3	4265	22	3881	11
SD94149	11	4460	14	3711	15	3224	13	3907	8	5824	1	4167	2
NE94589	16	4430	15	3775	12	3476	7	3291	19	4899	13	3860	14
ND9257	5	4382	16	3322	22	3306	11	3342	18	4511	20	3621	22
Abilene	3	4363	17	4430	1	2900	24	4186	4	4762	15	4069	5
ND9560	9	4330	18	2814	27	3559	4	3627	12	3966	26	3491	23
ND9460	8	4272	19	3536	20	3810	1	3996	7	4104	25	3862	13
Nekota	4	4247	20	3215	24	2712	27	3855	9	5133	10	3729	18
SD94241	14	4226	21	3741	14	2923	22	2359	28	4889	14	3478	24
ND9419	7	4215	22	3480	21	3024	18	3000	22	5278	6	3696	21
SD93267	12	4148	23	3675	17	3111	14	2821	25	3935	27	3386	26
T194	29	4140	24	3297	23	2935	21	4029	6	4619	19	3720	20
ND9304	6	4113	25	3708	16	2916	23	2799	26	4259	23	3420	25
NE96632	21	4108	26	2992	26	3063	16	2883	24	4163	24	3275	27
NE96435	19	4059	27	3932	7	3042	17	3528	14	4410	21	3728	19
Roughrider	2	3556	28	2476	28	2191	29	3216	20	3437	28	2830	28
Kharkof	1	3179	29	2364	29	3021	19	1923	29	3304	29	2653	29
mean*		4389		3632		3147		3464		4723		3742	
l.s.d.(0.05)		330		879		887		886		545		652	
c.v.(%)		11		15		18		16		7		14	

*less any local checks

Table 2, contd.

line	entry	region		Brookings, SD		Dakota Lakes, SD		Winner, SD		South Dakota State	
		mean	rank	mean	rank	mean	rank	mean	rank	mean	rank
XH1888	26	5375	1	5168	2	4857	5	4973	1	4999	2
XH9806	27	5212	2	5370	1	5555	1	4884	2	5269	1
N95L1229	25	4722	3	4540	10	4647	8	4876	3	4688	3
N95L1226	24	4710	4	4668	5	4360	12	4428	8	4477	9
NE96649	22	4685	5	3707	25	3709	24	3935	21	3784	27
NE94654	15	4673	6	3916	23	4047	19	3933	22	3965	22
NE95473	17	4622	7	4082	19	5001	3	4522	7	4592	7
NE95553	18	4573	8	4647	6	4718	6	4596	5	4654	4
NH9803	28	4555	9	4035	20	4282	16	3973	20	4097	18
NE95510	20	4516	10	4622	8	4655	7	4250	10	4509	8
SD95218	10	4489	11	4934	3	4090	18	3977	19	4334	11
NW97S195	23	4480	12	4423	15	4923	4	4571	6	4639	5
SD95203	13	4463	13	4565	9	3922	22	3993	18	4160	16
SD94149	11	4460	14	3845	24	5020	2	4226	12	4282	13
NE94589	16	4430	15	4789	4	3753	23	3878	23	4140	17
ND9257	5	4382	16	4445	14	4336	13	4006	17	4262	14
Abilene	3	4363	17	4466	13	4380	11	4185	13	4344	10
ND9560	9	4330	18	3500	27	3933	21	4227	11	3935	24
ND9460	8	4272	19	4017	21	3949	20	3768	26	3911	25
Nekota	4	4247	20	4387	16	4640	9	4800	4	4609	6
SD94241	14	4226	21	4225	18	3701	25	4261	9	4062	20
ND9419	7	4215	22	3639	26	4320	15	3523	27	3828	26
SD93267	12	4148	23	4642	7	4495	10	3844	24	4327	12
T194	29	4140	24	4246	17	4331	14	4121	15	4231	15
ND9304	6	4113	25	4515	11	3533	26	3778	25	3942	23
NE96632	21	4108	26	3955	22	4188	17	4056	16	4080	19
NE96435	19	4059	27	4498	12	3390	27	4133	14	4007	21
Roughrider	2	3556	28	3036	29	3248	28	3350	28	3211	28
Kharkof	1	3179	29	3287	28	2644	29	2768	29	2900	29
mean		4389		4293		4218		4132		4213	
l.s.d.(0.05)		330		418		520		475		506	
c.v.(%)		11		6		8		7		7	

Table 2, contd.

line	entry	region		Moccasin, Montana		Bozeman, MT		Montana State		Casselton, ND		Williston, ND		Hettinger, ND		North Dakota State	
		mean	rank	mean	rank	mean	rank	mean	rank	mean	rank	mean	rank	mean	rank	mean	rank
XH1888	26	5375	1	4683	2	9177	1	6930.29	1	4739	1	5112	1	5790	2	5203	1
XH9806	27	5212	2	4507	7	9056	2	6781.79	2	4297	7	4208	14	5632	4	4662	4
N95L1229	25	4722	3	4583	5	8021	6	6301.61	7	3732	21	4278	12	5413	5	4455	11
N95L1226	24	4710	4	4280	9	7853	9	6066.19	8	4696	2	4115	18	5741	3	4777	3
NE96649	22	4685	5	4839	1	8433	4	6636.30	4	4046	11	4224	13	5341	6	4506	9
NE94654	15	4673	6	4664	4	7949	7	6306.26	6	3941	13	4609	4	5145	7	4569	7
NE95473	17	4622	7	4154	11	7330	17	5742.16	16	4394	5	4147	17	4718	16	4392	12
NE95553	18	4573	8	4554	6	8196	5	6374.93	5	3833	19	4174	16	4905	11	4291	17
NH9803	28	4555	9	4671	3	8669	3	6669.67	3	3629	24	4661	2	6203	1	4814	2
NE95510	20	4516	10	3707	22	7106	19	5406.59	20	4295	8	3852	25	4773	15	4261	18
SD95218	10	4489	11	3600	24	7081	21	5340.72	22	4465	4	4661	3	4542	22	4566	8
NW97S195	23	4480	12	3654	23	7944	8	5799.41	15	3102	27	3784	26	4544	21	3807	26
SD95203	13	4463	13	4068	13	7415	16	5741.96	17	3892	16	4282	11	4868	13	4341	15
SD94149	11	4460	14	3994	16	7664	14	5828.94	14	4131	10	3975	21	4397	23	4148	20
NE94589	16	4430	15	4260	10	7727	13	5993.76	9	2941	28	4202	15	5019	10	4069	22
ND9257	5	4382	16	4080	12	7593	15	5836.43	13	4564	3	4342	9	4880	12	4570	6
Abilene	3	4363	17	4045	14	7808	12	5926.58	11	3685	23	3877	24	4335	25	3957	25
ND9560	9	4330	18	3911	18	7823	11	5867.38	12	3849	17	4550	5	4622	20	4361	13
ND9460	8	4272	19	3809	20	6860	24	5334.49	23	3735	20	4432	7	4708	17	4306	16
Nekota	4	4247	20	3918	17	5996	27	4957.26	26	3504	25	3691	27	4149	28	3772	27
SD94241	14	4226	21	4281	8	6653	25	5467.34	19	3703	22	4312	10	5067	9	4356	14
ND9419	7	4215	22	4010	15	7850	10	5930.34	10	4302	6	4363	8	5121	8	4572	5
SD93267	12	4148	23	3369	26	6925	23	5146.52	24	3999	12	4101	19	4389	24	4157	19
T194	29	4140	24	3051	29	7084	20	5067.18	25	1766	29	3368	28	4773	14	3309	29
ND9304	6	4113	25	3895	19	7243	18	5568.83	18	3894	15	3931	23	4638	19	4132	21
NE96632	21	4108	26	3749	21	7012	22	5380.48	21	4219	9	4543	6	4641	18	4475	10
NE96435	19	4059	27	3360	27	5418	29	4388.89	29	3918	14	3934	22	4223	27	4016	24
Roughrider	2	3556	28	3448	25	6005	26	4726.75	27	3844	18	4014	20	4274	26	4041	23
Kharkof	1	3179	29	3233	28	5900	28	4566.54	28	3273	26	3072	29	4018	29	3416	28
mean		4389		4013		7441		5727		3876		4173		4835		4286	
l.s.d.(0.05)		330		536		585		866		ns		470		665		605	
c.v.(%)		11		8		5		6		23		7		9		14	

Table 2, contd.

line	entry	region		Rosemount, Minnesota		Waseca, Minnesota		Minnesota State		Archer, Wyoming		Lethbridge, Alberta		Ames, Iowa	
		mean	rank	mean	rank	mean	rank	mean	rank	mean	rank	mean	rank	mean	rank
XH1888	26	5375	1	5634	1	6907	1	6930	1	2863	1	7915	2	5535	1
XH9806	27	5212	2	5564	2	6624	2	6782	2	2638	2	8028	1	5336	2
N95L1229	25	4722	3	4713	16	5425	3	6302	7	2452	11	7162	7	3695	15
N95L1226	24	4710	4	4613	18	5364	4	6066	8	2295	20	6727	15	3867	12
NE96649	22	4685	5	4277	22	4722	9	6636	4	2529	7	7866	4	3302	20
NE94654	15	4673	6	4808	13	4960	8	6306	6	2625	3	7564	5	3638	16
NE95473	17	4622	7	5145	7	5312	5	5742	16	2506	9	6971	10	3275	21
NE95553	18	4573	8	4790	15	4653	12	6375	5	2529	7	6757	13	3013	23
NH9803	28	4555	9	3304	27	3564	22	6670	3	2419	14	7900	3	2606	26
NE95510	20	4516	10	5056	9	4700	10	5407	20	2264	23	7117	8	4126	9
SD95218	10	4489	11	5188	6	5076	7	5341	22	2450	12	6313	22	3964	11
NW97S195	23	4480	12	5079	8	4604	14	5799	15	2473	10	7073	9	4146	8
SD95203	13	4463	13	5335	3	3496	23	5742	17	2621	4	6869	11	4200	7
SD94149	11	4460	14	5046	10	2905	27	5829	14	2280	21	7306	6	3430	18
NE94589	16	4430	15	4794	14	3869	18	5994	9	2401	15	6727	16	4005	10
ND9257	5	4382	16	4442	20	4642	13	5836	13	2022	26	6325	20	3369	19
Abilene	3	4363	17	3304	27	3946	17	5927	11	2197	24	6739	14	4267	6
ND9560	9	4330	18	5276	4	3390	24	5867	12	2150	25	6812	12	4475	5
ND9460	8	4272	19	4816	12	3714	19	5334	23	2421	13	6280	23	3793	13
Nekota	4	4247	20	4315	21	4678	11	4957	26	2338	17	5956	26	4657	4
SD94241	14	4226	21	3870	24	4118	16	5467	19	2589	5	6442	18	3786	14
ND9419	7	4215	22	4274	23	2628	29	5930	10	1957	28	6331	19	3578	17
SD93267	12	4148	23	3489	26	5220	6	5147	24	2571	6	6198	25	2525	27
T194	29	4140	24	4576	19	4185	15	5067	25	2278	22	6651	17	4714	3
ND9304	6	4113	25	4835	11	3628	21	5569	18	2318	18	6230	24	2677	24
NE96632	21	4108	26	5223	5	3332	25	5380	21	2396	16	5939	27	1954	29
NE96435	19	4059	27	4674	17	3686	20	4389	29	2309	19	6323	21	3231	22
Roughrider	2	3556	28	3768	25	3235	26	4727	27	1681	29	5474	28	2663	25
Kharkof	1	3179	29	2944	29	2645	28	4567	28	1968	27	4741	29	2095	28
mean		4389		4591		4318		4455		2362		6716		3652	
I.s.d.(0.05)		330		12		1064		1406		415		891		1247	
c.v.(%)		11		7		15		13		11		10		17	

Table 3

Summary of mean yields (kg/ha) and ranks for 29 wheats in the 1999 NRPN for 4 intra-region production zones (see Crop Science 32: 907, 1992)											
line	entry	Regional		North Central Plains		Northern High Plains		Northwest Plains		Northwest	
		mean	rank	mean	rank	mean	rank	mean	rank	mean	rank
XH1888	26	5375	1	5225	1	3235	1	5003	1	7324	1
XH9806	27	5212	2	5106	2	2993	6	4786	2	7280	2
N95L1229	25	4722	3	4511	3	2575	23	4436	5	6646	6
N95L1226	24	4710	4	4424	4	2572	24	4196	17	6331	9
NE96649	22	4685	5	4017	16	3130	2	4003	24	7128	4
NE94654	15	4673	6	4154	12	3012	5	4368	9	6809	5
NE95473	17	4622	7	4297	7	2761	14	4513	3	6234	14
NE95553	18	4573	8	4201	11	2891	9	4407	7	6528	7
NH9803	28	4555	9	3500	26	2891	10	4499	4	7162	3
NE95510	20	4516	10	4283	8	2928	8	4196	18	6091	17
SD95218	10	4489	11	4321	5	2983	7	4416	6	5729	21
NW97S195	23	4480	12	4221	10	2788	13	4272	14	6309	10
SD95203	13	4463	13	4301	6	2697	18	4128	19	6193	15
SD94149	11	4460	14	3889	21	2752	16	4323	12	6420	8
NE94589	16	4430	15	4060	15	3046	4	4010	23	6287	11
ND9257	5	4382	16	3967	18	2664	20	4340	11	6032	18
Abilene	3	4363	17	4104	14	2548	25	4093	21	6252	12
ND9560	9	4330	18	3892	20	2854	11	4286	13	6245	13
ND9460	8	4272	19	3956	19	3115	3	4225	16	5713	22
Nekota	4	4247	20	4253	9	2525	26	4097	20	5357	26
SD94241	14	4226	21	3765	23	2756	15	4050	22	5857	19
ND9419	7	4215	22	3440	27	2490	28	4344	10	6091	16
SD93267	12	4148	23	3806	22	2841	12	4270	15	5567	25
T194	29	4140	24	4134	13	2606	22	3780	25	5701	23
ND9304	6	4113	25	3757	24	2617	21	3760	26	5833	20
NE96632	21	4108	26	3540	25	2730	17	4391	8	5604	24
NE96435	19	4059	27	3991	17	2675	19	3701	27	5162	27
Roughrider	2	3556	28	3128	28	1936	29	3686	28	5026	28
Kharkof	1	3179	29	2599	29	2494	27	2888	29	4636	29
mean		4390		4029		2762		4189		6122	
I.s.d. (0.05)		330		552		439		889		614	
c.v. (%)		11		13		16		7		8	