

Table 1. Mean grain yield, percent protein, test weight, plant height, and percent lodging of irrigated soft white winter wheat. Parma, 1999-2000.

Entry	Grain Yd ^{1/} bu/A	Protein %	Test Wt. lb/bu	Plant Ht. in.	Lodging %
Soft White Winter Wheat					
Brundage	145	9.8	66.0	37	0
BU6W93-477	150	9.9	65.0	40	0
BU6W93-481	172	9.9	64.4	44	0
ID-B-96	140	9.8	63.6	36	0
Hubbard	166	9.9	64.8	43	0
ID85-10085-5	167	10.0	64.4	44	0
ID87-52814A	167	9.4	65.9	37	0
MacVicar	158	9.8	64.6	38	0
Malcolm	163	10.0	63.9	38	0
OR939526	168	9.5	64.0	39	0
OR939528	164	10.1	63.9	39	0
Stephens	151	9.9	65.4	38	0
Stephens/WPB470 (50-50 Mix)	160	10.2	65.4	38	0
Weatherford	164	10.7	63.9	41	0
WPB470	160	10.4	68.8	38	0
Average	161	10.0	64.8	39	0
LSD ₁₀ ^{2/}	15	0.3	1.4	1	-

^{1/} Grain yield is based on a test weight of 60 lb/bu for wheat, after correction of dry weight to a moisture content of 11%.

^{2/} Means must differ by more than the LSD₁₀ to be statistically different at the 10% probability level.

Table 2. Mean grain yield, percent protein, test weight, plant height, and percent lodging of irrigated hard winter wheat. Parma, 1999-2000.

Entry	Grain Yd ^{1/} bu/A	Protein %	Test Wt. lb/bu	Plant Ht. in.	Lodging %
Hard Winter Wheat					
Alzo(TR)	197	11.8	60.0	49	0
Bogo(TR)	186	12.3	58.0	49	0
BZ9W88-703	145	12.2	64.5	39	0
Connie(DW)	170	10.2	69.0	37	0
Garland	147	11.4	64.3	29	0
GM10001(HW)	148	10.7	67.1	43	0
GM10002(HW)	153	10.7	67.3	36	0
Hawk	153	10.6	66.3	44	0
Hoff	164	10.8	67.5	43	0
IDO377s(HWS)	166	11.1	68.9	42	0
IDO517	155	11.7	65.9	42	0
IDO561	161	10.7	67.1	42	0
Ivory (HW)	148	10.4	66.0	41	0
Meridian	163	10.5	66.5	40	0
Nuwest(HW)	128	11.4	64.3	44	0
Sunstar Declo	158	11.2	66.0	36	0
WPB936(HRS)	138	12.5	66.8	37	0
Average	157	11.2	65.6	41	0
LSD _{.10}	10	0.6	1.3	2	-

^{1/} Grain yield is based on a test weight of 60 lb/bu for wheat, after correction of dry weight to a moisture content of 11%.

^{2/} Means must differ by more than the LSD_{.10} to be statistically different at the 10% probability level.

Table 3. Mean grain yield, percent protein, test weight, plant height, and percent lodging of irrigated winter barley. Parma, 1999-2000.

Entry	Grain Yd ^{1/} bu/A	Test Wt. lb/bu	Plant Ht. in.	Lodging %	Plumps %	Thins %
Winter Barley						
Boyer	194	54.4	40	0	77	2.0
BZ5W96-21	173	53.8	30	0	45	6.4
Kold	181	56.8	37	0	84	1.3
Sprinter	196	57.1	40	0	93	0.4
Strider	208	56.1	40	0	93	0.4
Sunstar Pride	220	57.4	40	0	74	2.6
Average	195	55.9	38	0	78	2.2
LSD _{.10} ^{2/}	9	1.4	2	-	9	2.0

^{1/} Grain yield is based on a test weight of 48 lb/bu for barley after correction of dry weight to a moisture content of 11%.

^{2/} Means must differ by more than the LSD_{.10} to be statistically different at the 10% probability level.

Table 4. Mean grain yield, percent protein, test weight, plant height, and percent lodging of irrigated winter wheat. Weiser, 1999-2000.

Entry	Grain Yd ^{1/} bu/A	Protein %	Test Wt. lb/bu	Plant Ht. in.	Lodging %
Soft White Winter Wheat					
Brundage	161	10.2	63.8	36	0
BU6W93-477	176	10.5	62.9	41	0
BU6W93-481	170	10.1	61.4	41	0
Hubbard	174	10.2	62.1	46	0
ID85-10085-5	173	11.1	62.6	42	0
ID87-52814A	176	9.8	63.3	40	0
ID-B-96	152	9.7	61.5	36	0
MacVicar	179	10.2	62.6	41	0
Malcolm	177	9.8	62.8	39	0
OR939526	169	9.8	61.8	41	0
OR939528	181	10.1	61.4	42	0
Stephens	174	10.4	62.0	38	0
Stephens/WPB470 (50-50 mix)	162	10.8	64.0	39	0
Weatherford	170	10.5	61.9	41	0
WPB470	164	11.3	65.4	38	0
Average	170	10.3	62.6	40	0
LSD _{.10} ^{2/}	12	0.6	0.8	2	-
Hard Winter Wheat					
Alzo(TR)	179	9.2	59.4	48	0
Bogo(TR)	176	10.1	54.1	47	0
BZ9W88-703	133	12.3	62.4	37	0
Connie(DW)	109	10.4	65.0	35	0
Garland	141	12.0	62.0	29	0
Hawk	154	11.1	65.3	41	0
Hoff	159	11.2	64.6	40	0
IDO517	139	11.3	63.3	36	0
IDO561	146	11.1	65.3	40	0
Ivory (HW)	150	11.0	63.8	40	0
Meridian	136	11.6	62.8	39	0
Sunstar Declo	142	11.3	63.5	33	0
WPB936(HRS)	132	12.3	64.9	35	0
Average	146	11.1	62.8	38	0
LSD _{.10}	18	0.6	0.6	2	-

^{1/} Grain yield is based on a test weight of 60 lb/bu for wheat, after correction of dry weight to a moisture content of 11%.

^{2/} Means must differ by more than the LSD_{.10} to be statistically different at the 10% probability level.

Table 5. Mean grain yield, percent protein, test weight, plant height, and percent lodging of irrigated winter barley. Weiser, 1999-2000.

Entry	Grain Yd ^{1/} bu/A	Test Wt. lb/bu	Plant Ht. in.	Lodging %	Plumps %	Thins %
Winter Barley						
Boyer	160	51.6	41	0	99	0.9
BZ5W96-21	155	47.6	31	0	95	4.7
Kold	164	50.1	40	0	99	0.8
Sprinter	169	54.6	41	5	99	0.2
Strider	187	49.9	41	0	99	0.4
Sunstar Pride	192	52.9	39	0	99	0.7
Average	171	51.1	39	0.8	98	1.3
LSD _{.10} ^{3/}	15	1.5	2	5	2	2.0

^{1/} Grain yield is based on a test weight of 48 lb/bu for barley, 60 lb/bu for wheat, after correction of dry weight to a moisture content of 11%.

^{2/} Means must differ by more than the LSD_{.10} to be statistically different at the 10% probability level.

Table 6. Mean grain yield, percent protein, test weight, plant height, and percent lodging of irrigated late planted soft white winter wheat. Parma, 1999-2000.

Entry	Grain Yd ^{1/} bu/A	Protein %	Test Wt. lb/bu	Plant Ht. in.	Lodging %
Soft White Winter Wheat					
Brundage	134	9.7	64.9	35	23
BU6W93-477	138	10.4	64.3	41	35
BU6W93-481	138	10.1	63.9	41	20
Hubbard	125	9.9	64.4	44	8
ID-B-96	141	9.6	62.8	38	15
ID86-10085-5	143	10.1	63.9	42	23
ID87-52814A	134	9.1	62.8	39	14
MacVicar	148	10.0	64.0	39	8
Malcolm	141	9.7	62.5	38	23
OR939526	133	10.2	62.1	41	25
OR939528	139	10.5	61.4	39	0
Rod	132	10.1	61.3	37	28
Stephens	149	10.3	64.1	37	13
Stephens/WPB470 (50-50 mix)	158	11.2	65.1	38	3
Weatherford	143	10.6	63.0	41	15
WPB470	142	10.9	66.6	37	0
Average	140	10.2	63.6	39	15
LSD _{.10} ^{2/}	15	0.6	1.1	2	24

^{1/} Grain yield is based on a test weight of 60 lb/bu for wheat, after correction of dry weight to a moisture content of 11%.

^{2/} Means must differ by more than the LSD_{.10} to be statistically different at the 10% probability level.

Table 7. Mean grain yield, percent protein, test weight, plant height, and percent lodging of irrigated late planted hard winter and spring wheat. Parma, 1999-2000.

Entry	Grain Yd ^{1/} bu/A	Protein %	Test Wt. lb/bu	Plant Ht. in.	Lodging %
<u>Hard Red Winter and Spring Wheat</u>					
Garland	124	11.3	63.0	30	3
Hawk	137	11.4	66.0	41	25
Hoff	132	11.4	65.4	38	5
Meridian	131	11.0	64.5	39	8
Boundary	143	10.3	64.0	40	5
IDO517	151	11.9	64.8	37	0
IDO561	133	11.1	65.9	39	0
WPB936 (HRS)	140	13.0	66.3	34	0
<u>Hard White Wheat</u>					
IDO377s (HWS)	147	11.8	67.9	41	23
Ivory	135	10.2	64.3	38	5
<u>Durum Wheat</u>					
Connie (Winter)	143	11.8	67.5	36	0
<u>Triticale</u>					
Alzo	153	8.9	57.6	49	3
Bogo	145	9.8	57.6	44	10
Average	140	11.1	64.2	39	7
LSD _{.10} ^{2/}	17	0.9	1.3	2	18

^{1/} Grain yield is based on a test weight of 60 lb/bu for wheat and triticale, after correction of dry weight to a moisture content of 11%.

^{2/} Means must differ by more than the LSD_{.10} to be statistically different at the 10% probability level.

Table 8. Mean grain yield, percent protein, test weight, plant height, and percent lodging of irrigated late planted soft white winter wheat. Nampa, 1999-2000.

Entry	Grain Yd ^{1/} bu/A	Protein %	Test Wt. lb/bu	Plant Ht. in.	Lodging %
Soft White Winter Wheat					
Brundage	134	10.5	64.5	35	0
BU6W93-477	151	10.8	63.3	40	0
BU6W93-481	142	10.3	63.5	40	0
Hubbard	147	10.7	63.1	43	0
ID-B-96	137	9.2	61.5	35	0
ID85-10085-5	142	11.4	63.6	43	0
ID87-52814A	151	10.1	62.8	37	40
MacVicar	148	9.6	64.3	38	0
Malcolm	158	10.6	63.1	37	0
OR939526	163	11.0	62.1	38	0
OR939528	149	10.9	62.8	39	0
Rod	147	10.3	62.5	36	0
Stephens	149	11.4	62.8	39	0
Stephens/WPB470 (50-50 mix)	145	11.3	64.3	39	0
Weatherford	157	10.9	63.6	42	0
WPB470	128	12.3	65.9	36	0
Average	147	10.7	63.3	39	2
LSD _{.10} ^{2/}	15	0.9	1.1	2	13

^{1/} Grain yield is based on a test weight of 60 lb/bu for wheat, after correction of dry weight to a moisture content of 11%.

^{2/} Means must differ by more than the LSD_{.10} to be statistically different at the 10% probability level.

Table 9. Mean grain yield, percent protein, test weight, plant height, and percent lodging of late planted irrigated hard winter and spring wheat. Nampa, 1999-2000.

Entry	Grain Yd ^{1/} bu/A	Protein %	Test Wt. lb/bu	Plant Ht. in.	Lodging %
<u>Hard Winter Wheat</u>					
<u>Hard Red</u>					
Boundary	141	10.6	63.9	38	0
Garland	148	11.3	63.0	29	0
Hawk	129	10.8	65.6	39	0
Hoff	129	11.6	65.3	39	0
IDO517	116	12.6	63.4	32	0
IDO561	119	11.2	65.5	36	0
Meridian	130	11.3	64.6	37	0
WPB936 (HRS)	83	16.3	63.5	30	0
<u>Hard White</u>					
IDO377s (HWS)	135	12.0	66.6	41	0
Ivory	134	11.5	64.4	40	0
GM10001	102	11.1	65.0	37	0
GM10002	138	12.0	65.5	38	0
GM10003	124	11.0	63.9	34	0
Nuwest	132	11.0	64.8	45	0
<u>Durum Wheat</u>					
Connie	88	13.7	63.9	33	0
<u>Triticale</u>					
Alzo	163	10.0	59.3	45	0
Bogo	148	10.7	58.1	45	0
Average	127	11.7	63.9	37	0
LSD _{.10} ^{2/}	13	1.7	0.9	3	-

^{1/} Grain yield is based on a test weight of 48 lb/bu for barley, 60 lb/bu for wheat and triticale, after correction of dry weight to a moisture content of 11%.

^{2/} Means must differ by more than the LSD_{.10} to be statistically different at the 10% probability level.

Table 10. Mean grain yield, percent protein, test weight, plant height, and percent lodging of dryland soft white winter wheat. Midvale, 1999-2000.

Entry	Grain Yd ^{1/} bu/A	Protein %	Test Wt. lb/bu	Plant Ht. in.	Lodging %
Soft White Winter Wheat					
Brundage	13	9.1	58.5	24	0
Eltan	17	9.4	62.5	25	0
Foote	9	10.2	61.2	26	0
Hiller (club)	15	9.4	58.5	21	0
ID-B-96	16	9.2	61.8	24	0
ID87-52814A	16	9.4	63.8	24	0
MacVicar	18	9.2	62.2	27	0
Madsen	14	9.9	61.4	26	0
Malcolm	22	9.3	62.8	28	0
Rod	18	9.2	60.0	24	0
Rohde (club)	16	9.6	62.9	22	0
Stephens	18	9.4	60.8	27	0
Temple (club)	18	9.0	60.4	23	0
Tres (club)	14	9.1	60.7	22	0
Weatherford	17	10.0	62.5	27	0
WPB470	20	9.3	65.2	27	0
Average	16	9.4	61.4	25	0
LSD _{.10} ^{2/}	6	0.6	1.2	2	-

^{1/} Grain yield is based on a test weight of 48 lb/bu for barley, 60 lb/bu for wheat, after correction of dry weight to a moisture content of 11%.

^{2/} Means must differ by more than the LSD_{.10} to be statistically different at the 10% probability level.

Table 11. Mean grain yield, percent protein, test weight, plant height, and percent lodging of dryland triticale and hard winter wheat. Midvale, 1999-2000.

Entry	Grain Yd ^{1/} bu/A	Protein %	Test Wt. lb/bu	Plant Ht. in.	Lodging %
<u>Triticale</u>					
Alzo	33	8.7	57.0	34	0
Bogo	22	10.5	62.0	27	0
<u>Hard Red Winter Wheat</u>					
Bonneville	20	11.4	64.9	31	0
Boundary	31	9.4	63.3	27	0
Buchanan	36	8.8	63.3	32	0
Finley	20	10.2	66.0	33	0
Hatton	20	9.7	66.5	31	0
Hawk	26	9.4	64.2	28	0
Hoff	28	9.2	65.2	30	0
IDO509	33	9.2	64.3	31	0
IDO513	26	9.9	64.4	30	0
Meridian	24	10.7	65.3	27	0
Promontory	33	8.8	66.2	31	0
Utah100	28	10.0	62.8	31	0
WPB936 (HRS)	7	11.3	63.7	26	0
<u>Hard White Winter</u>					
GM10001	18	9.9-	64.8	28	0
GM10002	23	9.6	65.5	33	0
GM10003	14	9.2	63.4	27	0
IDO550	21	10.1	63.7	30	0
Ivory	21	9.9	63.3	28	0
Nuwest	20	10.3	63.6	31	0
<u>Winter Durum</u>					
Connie (DW)	10	12.2	64.7	26	0
Average	23	9.9	64.0	29	0
LSD _{.10} ^{2/}	6	0.6	0.5	4	-

^{1/} Grain yield is based on a test weight of 48 lb/bu for barley, 60 lb/bu for wheat, after correction of dry weight to a moisture content of 11%.

^{2/} Means must differ by more than the LSD_{.10} to be statistically different at the 10% probability level.

Table 12. Mean grain yield, percent protein, test weight, plant height, and percent lodging of dryland winter barley. Midvale, 1999-2000.

Entry	Grain Yd ^{1/} bu/A	Test Wt. lb/bu	Plant Ht. in.	Lodging %	Plumps %	Thins %
Winter Barley						
Boyer	25	51.5	24	0	98	2.1
Kold	19	49.5	25	0	98	2.3
Sprinter	20	52.9	23	0	99	1.1
Strider	18	51.0	25	0	98	1.5
Sunstar Pride	27	52.5	21	0	98	1.8
Average	22	51.4	24	0	8	1.8
LSD _{.10} ^{2/}	7	1.6	1	-	0.5	0.5

^{1/} Grain yield is based on a test weight of 48 lb/bu for barley, after correction of dry weight to a moisture content of 11%.

^{2/} Means must differ by more than the LSD_{.10} to be statistically different at the 10% probability level.

Table 13. Mean grain yield, protein, test weight, plant height, lodging and vitreous kernels of irrigated soft white spring wheat. Parma, 2000.

Entry	Grain Yd ^{1/} bu/A	Protein %	Test Wt. lb/bu	Plant Ht. in.	Lodging %	Vitreous %
Soft White Spring Wheat						
Alpowa	145	11.0	65.3	36	0	-
Centennial	137	10.0	64.5	37	0	-
Challis	154	9.4	63.9	37	3	-
IDO 506	139	9.9	63.3	36	0	-
IDO 526	143	10.8	63.6	35	10	-
Jubilee	150	10.5	63.5	39	3	-
ML042-29, 3	143	9.8	65.4	36	5	-
ML042-409-1, 5	122	9.7	62.3	38	3	-
Penawawa	148	9.6	64.5	37	0	-
Pomerelle	147	10.4	62.9	41	8	-
Treasure	142	9.9	63.0	39	6	-
Vanna	138	9.6	64.4	36	3	-
Whitebird	132	9.9	64.1	38	8	-
Zak	133	10.6	62.6	39	23	-
Average	139	10.1	64.1	37	6	-
LSD _{.10} ^{2/}	17	1.0	1.0	2.5	19	-

^{1/} Grain yield is based on a test weight of 60 lb/bu after correction of dry weight to 11% moisture content.

^{2/} Means must differ by more than the LSD_{.10} to be statistically different at the 10% probability level.

Table 14. Mean grain yield, protein, test weight, plant height, lodging and vitreous kernels of irrigated hard spring wheat. Parma, 2000.

Entry	Grain Yd ^{1/} bu/A	Protein %	Test Wt. lb/bu	Plant Ht. in.	Lodging %	Vitreous %
<u>Hard Red</u>						
Hank	130	11.7	64.5	33	0	-
Hi-Line	128	11.8	65.4	34	0	-
IDO 528	118	11.6	62.9	33	0	-
IDO 529	134	11.0	65.8	38	0	-
Jefferson	119	11.4	63.9	37	10	-
Vandal	120	12.0	63.1	34	0	-
WA 7824	126	11.3	65.3	38	0	-
WA 7839	120	12.2	65.1	36	0	-
WPB936	121	11.8	64.3	32	0	-
<u>Hard White</u>						
IDO 377s	148	11.2	66.1	39	0	-
IDO 560	142	10.1	64.1	38	0	-
Lolo	141	10.5	66.1	38	0	-
ML 455	134	9.8	63.6	39	0	-
OR4920307	133	10.2	64.5	35	0	-
OR4920311	131	10.3	65.3	37	0	-
UC896	136	10.7	65.5	36	8	-
Winsome	133	10.5	63.6	35	0	-
<u>Durum</u>						
D-95-434	99	12.0	64.2	32	0	85.8
Kronos	119	11.9	64.4	29	0	71.8
NPB871104E	114	11.6	63.5	32	0	95.4
Sel#92						
WPB881	117	11.7	63.8	34	0	92.3
Average	127	11.2	64.5	35	1.3	86.3
LSD _{.10} ^{2/}	11	0.7	0.7	1.6	7.8	5.5

^{1/} Grain yield is based on a test weight of 60 lb/bu after correction of dry weight to 11% moisture content.

^{2/} Means must differ by more than the LSD_{.10} to be statistically different at the 10% probability level.

Table 15. Mean grain yield, test weight, plant height, lodging, plumpness and thins of irrigated spring barley. Parma, 2000.

Entry	Grain Yd ^{1/} bu/A	Test Wt. lb/bu	Plant Ht. in.	Lodging %	Plumpness %	Thins %
Two-Row Spring Barley						
Baronesse	154	55.5	37	73	91.4	1.4
C32	181	53.9	32	8	91.5	1.0
C37	144	54.6	36	60	90.8	1.7
Camas	135	54.4	36	53	88.8	2.4
Galena	132	54.9	33	45	89.5	1.7
H3860224	150	54.9	37	35	95.1	0.6
Idagold	164	54.4	29	25	91.3	1.1
Merit	139	52.9	38	45	84.9	3.3
Orca	126	54.4	35	33	96.8	0.7
Othello	146	55.4	29	25	90.3	0.9
Valier	133	54.1	37	55	88.6	2.1
2B96-5038	122	54.4	40	30	97.5	0.5
2B96-5119	135	55.9	40	40	94.1	0.9
9504-94	133	56.3	34	30	92.8	1.0
Six-Row Spring Barley						
Brigham	163	53.3	37	5	96.1	0.4
Century	123	53.1	39	55	94.3	0.6
Colter	147	52.9	40	40	87.2	2.1
Gustoe	141	52.3	31	53	93.0	0.8
Maranna	150	51.6	30	35	84.4	1.8
Millennium	200	53.3	36	13	85.9	1.6
Nebula	158	50.8	31	43	93.7	0.4
Statehood	124	53.0	38	18	92.5	0.6
Steptoe	138	52.0	38	70	94.8	1.2
Tango	118	51.0	37	73	85.1	3.2
6B93-2978	120	53.4	39	68	87.1	1.6
6B94-8253	146	54.8	40	18	93.9	0.8
6B95-2482	138	53.3	41	38	93.5	0.7
Average	143	53.7	36	40	91.3	1.3
LSD _{.10} ²	34	2.1	3.2	32	5.0	1.3

^{1/} Grain yield is based on a test weight of 48 lb/bu after correction of dry weight to 11% moisture content.

^{2/} Means must differ by more than the LSD_{.10} to be statistically different at the 10% probability level.

Table 16. Mean grain yield, protein, test weight, plant height, lodging and vitreous kernels of irrigated soft white spring wheat at Weiser, 2000.

Entry	Grain Yd ^{1/} bu/A	Protein %	Test Wt. lb/bu	Plant Ht. in.	Lodging %	Vitreous %
Soft White Spring Wheat						
Alpowa	88	11.6	63.5	35	0	-
Centennial	97	11.4	64.4	33	0	-
Challis	102	11.3	62.6	33	0	-
IDO 506	92	11.7	62.0	34	0	-
IDO 526	102	10.9	62.9	34	0	-
Jubilee	98	11.1	62.9	34	0	-
ML042-29,3	98	12.2	64.4	33	0	-
ML042-409-1,5	104	11.6	62.1	34	0	-
Penawawa	84	12.1	63.5	32	0	-
Pomerelle	87	11.6	62.0	33	0	-
Treasure	100	11.3	63.6	34	0	-
Vanna	92	11.8	62.1	33	0	-
Whitebird	95	11.1	63.4	33	0	-
Zak	95	11.9	61.5	35	0	-
Average	95	11.6	63.1	33	0	-
LSD _{.10} ^{2/}	7	0.8	1.5	1.5	-	-

^{1/} Grain yield is based on a test weight of 60 lb/bu after correction of dry weight to 11% moisture content.

^{2/} Means must differ by more than the LSD_{.10} to be statistically different at the 10% probability level.

Table 17. Mean grain yield, protein, test weight, plant height, lodging and vitreous kernels of irrigated hard spring wheat at Weiser, 2000.

Entry	Grain Yd ^{1/} bu/A	Protein %	Test Wt. lb/bu	Plant Ht. in.	Lodging %	Vitreous %
<u>Hard Red</u>						
Hank	108	13.5	64.5	31	0	-
Hi-Line	98	13.0	65.3	32	0	-
IDO 528	91	12.8	62.5	30	0	-
IDO 529	98	12.8	65.8	32	0	-
Jefferson	98	12.7	64.6	33	0	-
Vandal	94	13.4	63.3	30	0	-
WA7824	98	12.9	64.8	34	0	-
WA7839	93	13.6	65.3	32	0	-
WPB936	103	13.1	65.5	30	0	-
<u>Hard White</u>						
IDO 377s	103	12.3	65.0	34	0	-
IDO 560	108	11.8	64.9	34	0	-
Lolo	115	12.8	66.1	36	0	-
ML 455	97	11.7	63.8	35	0	-
OR4920307	98	11.6	63.5	32	0	-
OR4920311	85	12.5	63.8	32	0	-
UC896	91	12.5	65.3	31	0	-
Winsome	97	11.8	63.3	32	0	-
<u>Durum</u>						
Kronos	87	13.9	64.4	26	0	85.3
NPB871104E	88	13.6-	62.1	29	0	95.1
Sel#92						
WPB881	89	13.5	62.8	29	0	96.5
Average	97	12.8	64.3	32	0	92.3
LSD _{.10} ^{2/}	9	0.4	1.3	1.2	-	3.1

^{1/} Grain yield is based on a test weight of 60 lb/bu after correction of dry weight to 11% moisture content.

^{2/} Means must differ by more than the LSD_{.10} to be statistically different at the 10% probability level.

Table 18. Mean grain yield, test weight, plant height, lodging, plumpness and thins of irrigated spring barley at Weiser, 2000.

Entry	Grain Yd ^{1/} bu/A	Test Wt. lb/bu	Plant Ht. in.	Lodging %	Plumpness %	Thins %
Two-Row Spring Barley						
Baronesse	127	53.8	32	43	79.0	3.4
C32	138	52.3	29	0	78.9	3.8
C37	129	52.5	30	10	81.6	3.9
Camas	132	53.4	32	48	74.7	6.3
Galena	132	52.1	33	10	73.6	4.4
H3860224	126	52.9	32	30	81.1	3.1
Idagold	118	49.9	28	45	72.7	5.2
Merit	115	52.0	34	25	80.4	3.8
Orca	131	54.5	33	28	86.4	2.1
Othello	119	51.9	29	0	75.0	3.2
Valier	136	54.9	34	8	75.1	4.0
9504-94	123	52.5	30	23	74.7	4.0
Six-Row Spring Barley						
Brigham	147	51.0	29	0	88.7	1.2
Century	154	51.8	33	30	82.3	2.2
Colter	146	52.8	34	0	86.3	1.3
Gustoe	141	51.6	24	5	87.5	1.8
Maranna	138	51.9	28	0	82.2	2.1
Millenium	144	50.3	32	0	71.9	3.4
Nebula	141	51.1	25	0	89.4	0.8
Statehood	152	50.1	31	30	82.2	2.8
Steptoe	141	51.9	33	68	86.0	2.1
Tango	138	50.4	33	63	73.5	5.0
Average	135	52.1	31	21	80.1	3.2
LSD _{.10} ²	11	1.3	2	9	4.8	1.5

^{1/} Grain yield is based on a test weight of 48 lb/bu after correction of dry weight to 11% moisture content.

^{2/} Means must differ by more than the LSD_{.10} to be statistically different at the 10% probability level.

Table 19. Mean grain yield, protein, test weight, plant height, lodging and vitreous kernels of irrigated spring wheat at Kuna, 2000.

Entry	Grain Yd ^{1/} bu/A	Protein %	Test Wt. lb/bu	Plant Ht. in.	Lodging %	Vitreous %
Soft White Spring Wheat						
Alpowa	122	12.1	60.6	39	73	-
Centennial	116	11.8	61.3	37	65	-
Challis	129	11.5	61.1	40	78	-
IDO 506	133	11.5	59.9	40	83	-
IDO 526	130	11.5	61.8	38	35	-
Jubilee	135	11.2	63.5	39	15	-
ML042-29,3	125	12.4	61.1	38	78	-
ML042-409-1,5	132	11.4	60.6	39	40	-
Penawawa	125	12.2	61.1	38	78	-
Pomerelle	126	11.8	60.5	38	85	-
Treasure	115	11.5	57.6	39	98	-
Vanna	119	11.6	60.0	39	55	-
Whitebird	123	11.4	61.4	39	60	-
Zak	114	12.0	59.1	41	93	-
Average	126	11.7	60.9	39	66	-
LSD _{.10} ^{2/}	12	0.6	2.1	1	36	-
Hard Spring Wheat						
<u>Hard Red</u>						
Hank	138	13.6	63.0	35	28	-
Hi-Line	116	13.3	63.0	36	58	-
IDO 528	133	13.6	61.4	36	58	-
IDO 529	130	13.0	63.6	39	25	-
Jefferson	127	13.4	63.5	37	75	-
Vandal	126	14.0	59.9	36	18	-
WA7824	111	13.8	63.9	38	20	-
WA7839	118	13.6	64.0	35	15	-
WPB936	144	13.7	63.6	35	15	-
<u>Hard White</u>						
IDO 377s	137	13.0	63.9	39	70	-
IDO 560	146	12.2	62.8	37	15	-
Lolo	151	12.4	65.1	39	15	-
ML 455	108	13.1	59.6	34	53	-
OR4920307	133	12.0	62.3	36	30	-
OR4920311	134	12.1	62.7	39	40	-
UC896	131	12.3	64.3	36	38	-
Winsome	139	12.4	62.0	35	50	-
Average	131	13.0	62.8	36	35	-
LSD _{.10} ^{2/}	7	0.4	1.5	1	37	-

^{1/} Grain yield is based on a test weight of 60 lb/bu after correction of dryweight to 11% moisture content.

^{2/} Means must differ by more than the LSD_{.10} to be statistically different at the 10% probability level.

Table 20. Mean grain yield, test weight, plant height, lodging, plumpness and thins of irrigated spring barley at Kuna, 2000.

Entry	Grain Yd ^{1/} bu/A	Test Wt. lb/bu	Plant Ht. in.	Lodging %	Plumpness %	Thins %
Two-Row Spring Barley						
Baronesse	147	52.5	34	63	88.7	1.8
C32	175	53.5	32	30	92.5	1.0
C37	151	52.3	32	50	96.0	1.0
Camas	136	51.9	37	100	81.3	3.5
Galena	154	52.9	33	33	91.5	1.4
H3860224	148	54.0	35	80	90.8	1.1
Idagold	152	49.6	31	90	84.0	2.2
Merit	135	50.8	38	80	84.9	7.9
Orca	154	52.1	36	28	96.6	1.1
Othello	166	52.4	30	85	94.1	2.3
Valier	134	52.6	36	3	84.6	2.4
9504-94	161	52.5	32	63	89.5	0.9
Six-Row Spring Barley						
Brigham	171	47.6	34	8	92.5	2.2
Century	130	50.4	36	33	88.9	1.3
Colter	122	48.6	34	43	80.1	4.7
Gustoe	170	50.1	29	38	93.5	3.3
Maranna	155	48.5	31	55	86.5	1.6
Millennium	178	50.3	35	13	86.3	5.5
Nebula	166	49.9	32	8	96.0	0.3
Statehood	141	49.6	35	40	89.8	3.2
Steptoe	158	50.1	38	80	93.2	1.8
Tango	154	49.6	36	30	91.5	3.2
Average	153	51.0	34	48	89.7	2.4
LSD _{.10} ²	19	2.2	2	39	4.8	4.0

^{1/} Grain yield is based on a test weight of 48 lb/bu after correction of dry weight to 11% moisture content.

^{2/} Means must differ by more than the LSD_{.10} to be statistically different at the 10% probability level.

