

Table1. Mean grain yield, percent protein, test weight, plant height, percent lodging and Julian heading date of irrigated soft white winter wheat. Parma, 2002.

Entry	Grain Yd <sup>1/</sup> bu/A	Protein %	Test Wt. lb/bu	Plant Ht. in.	Lodging %	Heading Julian
Beamer	129	11.8	59.0	40	95	151
Brundage	135	10.9	60.3	38	75	148
Hubbard	134	11.4	61.8	45	94	153
ID87-52814A	127	11.0	58.1	37	100	154
ID89-17113A	119	12.1	58.9	39	93	155
ID91-34302A	127	11.9	59.8	42	88	151
ID-B-96	128	11.7	59.6	38	65	148
IDO587	134	11.9	57.5	38	90	151
IDO588	142	11.8	59.6	39	99	149
KW96019	142	12.2	60.3	36	50	152
Malcolm	127	12.1	57.0	38	100	151
Mohler	134	11.8	59.6	41	90	151
OR941904	129	13.7	62.4	40	91	152
Stephens	141	12.4	58.4	38	98	151
Ste/Brun Mix	140	12.2	57.4	39	93	150
Tubbs	133	11.2	57.4	41	93	153
Weatherford	115	13.5	56.8	41	98	153
WPB470	139	11.5	63.0	39	83	148
Average	132	11.9	59.3	39	88	151
LSD <sub>10</sub> <sup>2/</sup>	14	0.6	1.4	2	18	3

<sup>1/</sup> 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%.

<sup>2/</sup> Means must differ by more than the LSD<sub>10</sub> to be statistically different at the 10% probability level.

Table 2. Mean grain yield, percent protein, test weight, plant height, percent lodging and Julian heading date of irrigated hard winter wheat and triticale. Parma, 2002.

Entry	Grain Yd <sup>1/</sup> bu/A	Protein %	Test Wt. lb/bu	Plant Ht. in.	Lodging %	Heading Julian
Alzo(TR)	135	9.0	53.5	50	63	148
Bogo(TR)	130	9.9	50.8	45	83	148
Columbia-1	132	13.0	61.8	37	93	148
Falcon	119	12.2	60.6	39	93	150
Garland	128	13.4	58.9	28	78	153
Golden Spike(HW)	97	11.6	59.3	43	100	153
Hawk	122	12.8	63.1	40	95	148
Hoff	119	12.7	60.8	40	93	148
Ivory(HW)	126	12.1	60.0	42	80	148
Meridian	95	13.5	61.0	37	95	154
NuFrontier(HW)	112	11.6	63.5	44	65	148
NuHorizon(HW)	139	11.7	64.3	37	83	148
OR850513-8(HW)	99	12.8	58.4	38	50	151
Average	119	12.0	59.7	40	82	150
LSD <sub>.10</sub>	10	0.8	1.8	2	22	1

<sup>1/</sup> 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%.

<sup>2/</sup> Means must differ by more than the LSD<sub>.10</sub> to be statistically different at the 10% probability level.

Table 3. Mean grain yield, test weight, plant height, percent lodging, Julian heading date, plumps and thins of irrigated winter barley. Parma, 2002.

Entry	Grain Yd <sup>1/</sup> bu/A	Test Wt. lb/bu	Plant Ht. in.	Lodging. %	Heading Julian	Plumps %	Thins %
Sprinter	142	47.5	41	95	148	76	4.9
Stab 7	130	45.2	43	90	133	74	5.2
Stab 47	140	48.3	47	85	133	84	2.0
Stab113	153	46.4	44	90	136	76	3.9
Strider	154	45.3	41	83	137	81	4.9
Sunstar Pride	149	46.1	40	78	150	57	11.0
Average	146	46.5	43	87	139	75	5.5
LSD <sub>.10</sub> <sup>2/</sup>	18	2.0	2	11	1	5	2.6

<sup>1/</sup> 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%.

<sup>2/</sup> Means must differ by more than the LSD<sub>.10</sub> 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, 2002.

Entry	Grain Yd <sup>1/</sup> bu/A	Protein %	Test Wt. lb/bu	Plant Ht. in.	Lodging %
Soft White Winter Wheat					
Beamer	135	8.1	63.3	37	20
Brundage	132	8.5	65.4	33	0
Hubbard	131	8.7	64.0	40	0
ID87-52814A	135	7.8	63.4	34	25
ID89-17113A	125	8.4	62.8	35	0
ID91-34302A	134	8.2	63.1	35	15
ID-B-96	121	8.4	62.4	33	5
IDO587	142	8.4	63.6	35	18
IDO588	149	8.8	64.4	36	0
Malcolm	140	8.0	63.1	35	20
Mohler	151	8.3	64.1	37	18
OR941904	134	8.9	66.0	36	20
Stephens	141	8.2	62.9	35	0
Ste/Brun Mix	136	8.3	63.8	35	8
Tubbs	141	8.3	62.5	37	0
Weatherford	131	9.4	63.4	36	0
WPB470	140	8.8	67.4	33	0
Average	136	8.4	63.8	35	9
LSD <sub>.10</sub> <sup>2/</sup>	11	0.7	0.9	1	22
Hard Winter Wheat					
Alzo(TR)	164	8.8	58.6	45	8
Bogo(TR)	160	9.6	55.9	43	3
Falcon	128	10.1	65.9	36	28
Garland	135	11.2	63.5	26	3
Golden Spike(HW)	102	10.8	62.1	42	73
Hawk	134	10.8	65.9	37	50
Hoff	125	10.7	65.4	37	25
Ivory (HW)	140	9.9	64.1	37	20
Meridian	113	11.6	64.6	36	55
OR850513-8(HW)	127	10.8	64.1	35	18
NuFrontier(HW)	134	9.9	67.5	36	30
NuHorizon(HW)	141	10.4	67.9	32	15
Average	134	10.4	63.8	37	27
LSD <sub>.10</sub>	14	1.4	1.3	2	29

<sup>1/</sup> 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%.

<sup>2/</sup> Means must differ by more than the LSD<sub>.10</sub> to be statistically different at the 10% probability level.

Table 5. Mean grain yield, percent protein, test weight, plant height, percent lodging and Julian heading date of irrigated late planted soft white winter wheat. Parma, 2002.

Entry	Grain Yd <sup>1/</sup> bu/A	Protein %	Test Wt. lb/bu	Plant Ht. in.	Lodging %	Heading Julian
Soft White Winter Wheat						
Beamer	123	10.1	60.8	41	83	155
Brundage	124	9.4	62.6	40	65	150
Hubbard	117	9.0	61.5	44	63	156
ID87-52814A	126	8.9	62.0	37	98	158
ID89-17113A	117	9.4	61.3	39	73	158
ID91-34302A	131	9.7	61.5	42	73	155
ID-B-96	135	9.1	59.9	39	45	155
IDO587	122	8.9	59.8	38	65	154
IDO588	130	9.8	60.5	39	88	153
Malcolm	120	8.8	60.5	40	68	155
Mohler	125	9.4	60.9	42	83	155
OR941904	132	10.7	63.8	41	90	156
Stephens	130	9.2	58.8	38	80	153
Ste/Brun Mix	135	9.9	60.4	40	83	151
Tubbs	133	9.2	59.5	40	60	155
Weatherford	120	9.8	60.3	41	68	156
WPB470	139	10.1	64.6	39	63	150
Average	126	9.5	61.0	40	73	154
LSD <sub>.10</sub> <sup>2/</sup>	23	0.9	1.5	1	28	1

<sup>1/</sup> 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%.

<sup>2/</sup> Means must differ by more than the LSD<sub>.10</sub> to be statistically different at the 10% probability level.

Table 6. Mean grain yield, percent protein, test weight, plant height, percent lodging and Julian heading date of irrigated late planted hard winter and spring wheat. Parma, 2002.

Entry	Grain Yd <sup>1/</sup> bu/A	Protein %	Test Wt. lb/bu	Plant Ht. in.	Lodging %	Heading Julian
<u>Hard Red Winter and Spring Wheat</u>						
Boundary	114	11.0	62.1	39	93	156
Columbia-1	112	11.6	64.1	36	53	150
Falcon	109	11.8	61.0	37	93	153
Garland	125	11.4	61.4	29	23	155
Hawk	128	11.2	63.5	40	75	148
Hoff	103	11.2	61.9	39	60	151
Meridian	107	11.5	62.6	38	75	156
Vandal (HRS)	117	13.3	61.6	38	55	151
WPB936 (HRS)	113	12.1	62.9	38	50	148
<u>Hard White Wheat</u>						
Golden Spike	110	10.8	61.8	42	80	155
IDO377s (HWS)	120	11.0	63.9	40	60	148
Ivory	116	10.2	63.5	42	68	151
NuFrontier	113	11.2	63.6	41	65	151
NuHorizon	130	10.9	63.9	35	45	149
OR850513-8	109	12.2	59.8	40	53	155
<u>Triticale</u>						
Alzo	126	10.0	53.9	49	48	151
Bogo	146	10.3	54.6	46	75	149
Average	117	11.3	62.8	39	63	152
LSD <sub>.10</sub> <sup>2/</sup>	14	1.2	1.9	2	29	1

<sup>1/</sup> 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%.

<sup>2/</sup> Means must differ by more than the LSD<sub>.10</sub> to be statistically different at the 10% probability level.

Table 7. Mean grain yield, percent protein, test weight, plant height, and percent lodging of dryland late planted soft white winter wheat. Hammett, 2002.

Entry	Grain Yd <sup>1/</sup> bu/A	Protein %	Test Wt. lb/bu	Plant Ht. in.	Lodging %
Soft White Winter Wheat					
Beamer	99	11.6	60.4	37	0
Brundage	99	12.0	62.5	35	0
Hubbard	93	12.3	59.8	37	0
ID87-52814A	84	11.4	58.6	37	0
ID89-17113A	102	11.3	59.6	37	0
ID91-34302A	97	11.8	59.4	38	0
ID-B-96	103	12.3	59.5	35	0
IDO587	98	11.9	58.3	36	0
IDO588	99	12.4	58.3	37	0
Malcolm	96	11.4	57.4	36	0
Mohler	101	10.8	61.1	38	0
OR941904	102	11.2	64.9	39	0
Stephens	95	11.8	59.0	35	0
Ste/Brun Mix	105	11.6	60.0	35	0
Tubbs	100	11.8	57.8	38	0
Weatherford	88	12.5	57.3	38	0
WPB470	100	11.4	60.0	35	0
Average	98	11.7	59.6	37	0
LSD <sub>.10</sub> <sup>2/</sup>	13	1.1	3.5	2	--

<sup>1/</sup> 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%.

<sup>2/</sup> Means must differ by more than the LSD<sub>.10</sub> to be statistically different at the 10% probability level.

Table 8. Mean grain yield, percent protein, test weight, plant height, percent lodging and percent vitreous kernels of late planted dryland hard winter and spring wheat. Hammett, 2002.

Entry	Grain Yd <sup>1/</sup> bu/A	Protein %	Test Wt. lb/bu	Plant Ht. in.	Lodging %	Vitreous %
<u>Hard Winter Wheat</u>						
<u>Hard Red</u>						
Boundary	90	12.6	62.3	39	0	--
Falcon	101	12.6	63.5	38	0	--
Garland	117	13.0	61.1	28	0	--
Hawk	119	12.6	64.8	40	0	--
Hoff	108	12.8	63.8	38	0	--
Meridian	108	13.3	63.4	36	0	--
Nora	91	15.0	63.0	33	0	--
Norpro (HRS)	99	13.5	64.0	38	0	--
Sunstar King (HRS)	121	13.6	66.3	36	0	--
Vandal (HRS)	107	14.4	63.4	34	0	--
W91-233	92	12.8	63.1	33	0	--
WPB936 (HRS)	116	14.0	64.0	33	0	--
<u>Hard White</u>						
Golden Spike	91	13.4	59.0	44	0	--
IDO377s (HWS)	114	13.3	64.6	40	0	--
Klasic (HWS)	129	13.7	64.9	30	0	--
NuFrontier	98	12.4	64.6	40	0	--
NuHorizon	120	12.8	66.3	35	0	--
OR850513-8	101	13.3	60.4	35	0	--
OR948027	86	13.4	58.4	35	0	--
OR948927	92	14.0	61.9	38	0	--
OR971897	101	13.6	62.4	33	0	--
<u>Durum Wheat</u>						
Connie	98	14.7	62.6	34	0	97
Kronos	83	15.1	62.9	31	0	99
<u>Triticale</u>						
Alzo	119	12.3	54.6	46	0	--
Bogo	130	12.0	55.4	45	0	--
Average	105	13.3	62.4	36	0	98
LSD <sub>.10</sub> <sup>2/</sup>	12	0.6	2.2	2	--	4

<sup>1/</sup> 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%.

<sup>2/</sup> Means must differ by more than the LSD<sub>.10</sub> to be statistically different at the 10% probability level.

Table 9. Mean grain yield, percent protein, test weight, plant height, and percent lodging of dryland soft white winter wheat. Midvale, 2002.

Entry	Grain Yd <sup>1/</sup> bu/A	Protein %	Test Wt. lb/bu	Plant Ht. in.	Lodging %
Soft White Winter Wheat					
Brundage	27	11.5	55.5	27	0
Eltan	24	11.9	58.9	26	0
Foote	22	12.5	55.5	25	0
Hiller (club)	25	11.8	54.8	24	0
Hubbard	26	11.4	60.4	28	0
ID87-52814A	24	11.8	57.5	25	0
ID-B-96	26	12.3	54.5	24	0
ID91-34302A	25	10.9	58.0	26	0
IDO576	28	10.9	58.3	27	0
MacVicar	27	11.8	57.0	26	0
Madsen	26	13.0	55.0	28	0
Malcolm	25	11.6	56.9	26	0
Stephens	25	11.9	55.1	25	0
Temple (club)	27	11.4	53.8	23	0
Weatherford	22	12.9	56.1	25	0
Average	25	11.8	56.5	26	0
LSD <sub>.10</sub> <sup>2/</sup>	3	0.9	1.8	3	--

<sup>1/</sup> 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%.

<sup>2/</sup> Means must differ by more than the LSD<sub>.10</sub> 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 triticale and hard winter wheat. Midvale, 2002.

Entry	Grain Yd <sup>1/</sup> bu/A	Protein %	Test Wt. lb/bu	Plant Ht. in.	Lodging %
<u>Triticale</u>					
Alzo	26	10.0	52.8	33	0
Bogo	24	11.2	51.2	31	0
<u>Hard Red Winter Wheat</u>					
Boundary	27	11.6	55.9	25	0
Buchanan	20	10.4	59.8	30	0
Finley	27	10.3	61.5	31	0
Hawk	28	11.0	60.5	27	0
IDO513	28	11.2	60.4	28	0
IDO571	27	10.7	60.5	27	0
Moreland	25	10.7	59.3	25	0
Promontory	31	11.7	61.0	29	0
Utah100	22	11.3	57.3	26	0
<u>Hard White Winter</u>					
Gary	27	10.8	61.3	28	0
Golden Spike	27	10.8	59.3	29	0
NuFrontier	27	10.6	60.9	28	0
NuHorizon	30	10.9	61.4	26	0
OR530513-8	25	11.3	59.4	24	0
Ivory	22	9.9	60.4	26	0
Average	26	10.8	59.0	28	0
LSD <sub>.10</sub> <sup>2/</sup>	5	0.9	1.6	3	--

<sup>1/</sup> 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%.

<sup>2/</sup> Means must differ by more than the LSD<sub>.10</sub> to be statistically different at the 10% probability level.

Table 11. Mean grain yield, protein, test weight, plant height, Julian heading date and percent lodging of irrigated soft white spring wheat. Parma, 2002.

Entry	Grain Yd <sup>1/</sup> bu/A	Protein %	Test Wt. lb/bu	Plant Ht. in.	Heading Julian	Lodging %
Soft White Spring Wheat						
Alpowa	114	9.0	63.5	41	154	55
Alturas	114	8.8	62.8	36	151	80
Centennial	109	9.4	63.4	39	153	65
IDO 556	108	9.4	64.0	32	154	58
Jubilee	114	9.4	64.3	38	153	88
Penawawa	116	9.4	63.9	37	153	65
Pomerelle	110	8.6	62.8	40	154	78
Treasure	109	8.8	61.0	38	155	85
WA7902	109	8.7	62.9	37	154	75
WA7905	108	9.7	63.1	42	155	90
Whitebird	112	9.7	63.0	40	155	70
Zak	118	9.1	62.0	41	156	85
Average	112	9.2	63.0	38	154	74
LSD <sub>.10</sub> <sup>2/</sup>	8	1.1	1.0	2	1.2	28

<sup>1/</sup> Grain yield is based on a test weight of 60 lb/bu after correction of dry weight to 11% moisture content.

<sup>2/</sup> Means must differ by more than the LSD<sub>.10</sub> to be statistically different at the 10% probability level.

Table 12. Mean grain yield, protein, test weight, plant height, Julian heading date, percent lodging and vitreous kernels of irrigated hard spring wheat. Parma, 2002.

Entry	Grain Yd <sup>1/</sup> bu/A	Protein %	Test Wt. lb/bu	Plant Ht. in.	Heading Julian	Lodging %	Vitreous %
<u>Hard Red</u>							
Hi-Line	91	11.9	63.3	36	153	53	--
IDO557	101	11.4	63.0	36	151	68	--
IDO566	120	12.1	62.4	37	150	70	--
Jefferson	111	12.0	63.0	37	153	90	--
Saxon	114	11.0	63.1	38	155	75	--
Scarlet	104	11.1	62.7	42	154	60	--
Tara	101	11.6	63.8	40	150	65	--
WA7859	97	12.5	62.3	47	154	90	--
WPB936	111	12.3	61.5	35	152	64	--
YU955-241	117	11.2	63.1	33	149	30	--
<u>Hard White</u>							
Blanca Grande	123	12.5	65.0	33	149	68	--
GM40002	105	11.3	63.5	36	149	93	--
GM40003	106	11.4	63.0	40	150	93	--
GM40004	109	11.5	63.2	36	153	55	--
IDO 377s	115	11.5	63.9	41	154	90	--
Lolo	123	11.4	65.1	39	153	89	--
Macon	108	11.7	60.6	39	153	85	--
Plata	105	11.1	64.1	32	150	35	--
Pristine	111	11.7	65.3	37	150	78	--
WA 7900	107	10.6	64.4	39	153	60	--
WA 7901	113	10.9	64.5	42	155	64	--
Winsome	113	10.4	62.6	37	153	68	--
YU995-231W	111	10.8	64.4	26	150	25	--
<u>Durum</u>							
GM90002	103	12.4	65.5	33	149	85	91.5
GM90003	108	11.5	63.1	34	149	40	77.8
GM90005	94	12.1	63.3	42	153	63	78.1
GM90014	101	11.3	65.4	34	148	60	71.5
GM90015	109	12.0	63.3	34	150	53	79.6
Utopia	114	10.7	64.1	33	149	63	53.4
WPB881	87	11.7	63.8	34	149	8	74.3
YU894-75	108	11.8	64.0	35	148	75	85.5
Average	108	11.5	63.5	37	151	65	76.5
LSD <sub>.10</sub> <sup>2/</sup>	8	1.3	1.6	1	1	30	9.3

<sup>1/</sup> Grain yield is based on a test weight of 60 lb/bu after correction of dry weight to 11% moisture content.

<sup>2/</sup> Means must differ by more than the LSD<sub>.10</sub> to be statistically different at the 10% probability level.

Table 13. Mean grain yield, test weight, plant height, heading date, lodging, plumpness and thins of irrigated spring barley. Parma, 2002.

Entry	Grain Yd <sup>1/</sup> bu/A	Test Wt. lb/bu	Plant Ht. in.	Heading Julian	Lodging %	Plumps %	Thins %
Two-Row Spring Barley							
C32	86	50.8	35	155	18	86	2.0
C46	110	49.9	36	156	78	88	1.7
C53	85	48.1	36	154	55	88	1.7
C57	88	49.0	33	156	30	89	1.7
C60	101	51.3	35	156	98	80	2.8
C61	100	48.5	36	154	83	78	3.8
Galena	87	51.5	36	154	58	87	1.6
H3860224	56	50.6	45	153	55	84	3.6
Idagold	102	52.3	33	156	68	83	2.1
Moravian 14	94	51.8	36	151	73	73	4.2
Moravian 37	84	50.9	36	154	73	88	1.7
Valier	54	53.0	43	152	50	80	3.8
Six-Row Spring Barley							
Brigham	102	47.9	40	148	60	91	0.9
Colter	96	47.9	44	148	83	75	4.7
Millennium	109	49.4	38	143	45	73	3.3
Nebula	131	47.4	36	154	35	89	1.2
Steptoe	109	47.8	44	149	93	83	3.0
Average	94	49.9	38	152	62	83	2.6
LSD <sub>.10</sub> <sup>2</sup>	14	2.5	1.5	1	27	4.6	1.0

<sup>1/</sup> Grain yield is based on a test weight of 48 lb/bu after correction of dry weight to 11% moisture content.

<sup>2/</sup> Means must differ by more than the LSD<sub>.10</sub> 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 soft white spring wheat at Weiser, 2002.

Entry	Grain Yd <sup>1/</sup> bu/A	Protein %	Test Wt. lb/bu	Plant Ht. in.	Lodging %	Vitreous %
Soft White Spring Wheat						
Alpowa	72	13.3	60.9	42	0	--
Alturas	92	12.2	61.1	39	0	--
Centennial	86	13.6	61.1	41	10	--
Challis	79	13.6	59.4	39	0	--
IDO 556	83	13.4	63.0	35	0	--
Jubilee	93	12.3	61.5	41	0	--
Penawawa	75	13.3	60.1	42	15	--
Pomerelle	77	12.6	61.1	42	0	--
Treasure	79	12.8	60.5	41	0	--
WA7902	80	12.2	63.1	37	0	--
WA7905	71	12.5	60.1	41	0	--
Whitebird	86	12.2	61.0	42	0	--
Zak	81	13.4	56.9	41	5	--
Average	81	12.9	60.2	39	2	--
LSD <sub>.10</sub> <sup>2/</sup>	11	1.3	1.9	2	11	--

<sup>1/</sup> Grain yield is based on a test weight of 60 lb/bu after correction of dry weight to 11% moisture content.

<sup>2/</sup> Means must differ by more than the LSD<sub>.10</sub> to be statistically different at the 10% probability level.

Table15. Mean grain yield, protein, test weight, plant height, lodging and vitreous kernels of irrigated hard spring wheat at Weiser, 2002.

Entry	Grain Yd <sup>1/</sup> bu/A	Protein %	Test Wt. lb/bu	Plant Ht. in.	Lodging %	Vitreous %
<u>Hard Red</u>						
Hi-Line	84	14.0	62.3	39	30	--
IDO 557	91	13.2	63.0	36	10	--
IDO 566	104	13.2	64.5	37	3	--
Jefferson	94	14.0	62.9	39	88	--
Saxon	93	14.1	62.5	41	30	--
Scarlet	95	12.8	62.6	41	45	--
SX1501B	77	14.1	57.8	32	0	--
SX1502B	88	14.9	59.6	36	0	--
SX1503B	73	13.8	53.5	32	0	--
Tara	93	13.8	63.3	38	23	--
WA7859	82	13.0	63.3	43	43	--
WPB936	109	13.0	65.1	36	0	--
<u>Hard White</u>						
Blanca Grande	111	12.5	66.9	34	5	--
GM40002	101	12.6	64.9	37	48	--
GM40003	103	12.3	65.9	35	70	--
GM40004	102	12.1	63.8	37	0	--
IDO 377s	88	12.6	63.1	41	50	--
Lolo	103	13.0	65.1	39	5	--
Macon	73	14.1	60.3	37	53	--
Plata	109	13.0	65.1	32	0	--
Pristine	109	13.6	65.0	38	20	--
WA7900	88	13.4	63.5	39	35	--
WA7901	88	13.8	62.4	43	65	--
Winsome	105	11.8	64.4	38	23	--
YU995-231W	110	12.3	64.9	28	0	--
<u>Durum</u>						
GM90002	85	13.6	67.5	32	0	89.3
GM90003	106	12.6	65.0	34	20	84.3
GM90005	90	14.2	65.0	39	65	87.5
GM90014	98	14.0	66.9	33	8	91.4
GM90015	107	13.2	65.4	34	23	89.9
Utopia	119	12.9	65.6	32	0	68.1
WPB881	93	14.0	63.8	34	0	85.5
YU894-75	100	13.9	66.8	33	8	91.5
Average	98	13.3	64.3	37	26	85.9
LSD <sub>.10</sub> <sup>2/</sup>	17	1.0	1.9	2.4	37	9.4

<sup>1/</sup> Grain yield is based on a test weight of 60 lb/bu after correction of dry weight to 11%moisture content.

<sup>2/</sup> Means must differ by more than the LSD<sub>.10</sub> to be statistically different at the 10% probability level.

Table 16. Mean grain yield, test weight, plant height, lodging, plumpness and thins of irrigated spring barley at Weiser, 2002.

Entry	Grain Yd <sup>1/</sup> bu/A	Test Wt. lb/bu	Plant Ht. in.	Lodging %	Plumpness %	Thins %
Two-Row Spring Barley						
C32	145	56.3	30	0	84.5	2.0
C46	144	56.4	30	0	88.6	1.2
C53	151	54.9	32	5	92.3	0.8
C57	138	54.4	30	5	90.3	1.4
Galena	147	57.0	34	8	89.4	1.5
H3860224	107	56.1	38	58	87.7	1.9
Idagold	139	56.4	30	15	87.1	1.2
Merit	131	56.3	36	65	84.5	3.5
Moravian 37	152	57.0	31	13	94.9	0.5
Valier	117	56.5	36	90	83.5	2.1
Six-Row Spring Barley						
Brigham	135	53.1	34	28	92.8	0.6
Colter	110	54.4	38	50	81.1	2.6
Legacy	128	55.5	39	80	81.6	3.4
Millennium	156	55.0	35	20	81.0	2.2
Nebula	163	54.3	32	0	91.8	0.6
Steptoe	137	54.4	34	93	91.9	1.0
Average	137	55.5	34	33	87.7	1.6
LSD <sub>.10</sub> <sup>2</sup>	19	1.4	3	32	1.8	1.2

<sup>1/</sup> Grain yield is based on a test weight of 48 lb/bu after correction of dry weight to 11% moisture content.

<sup>2/</sup> Means must differ by more than the LSD<sub>.10</sub> 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 soft white spring wheat at Kuna, 2002.

Entry	Grain Yd <sup>1/</sup> bu/A	Protein %	Test Wt. lb/bu	Plant Ht. in.	Lodging %	Vitreous %
Soft White Spring Wheat						
Alpowa	101	13.3	62.5	30	3	--
Alturas	104	12.5	63.5	28	0	--
Centennial	83	13.3	62.4	26	0	--
Challis	101	12.8	61.0	27	0	--
IDO 556	76	14.3	64.4	25	5	--
Jubilee	105	12.9	61.6	30	0	--
Penawawa	97	13.7	61.8	28	0	--
Pomerelle	99	12.9	63.4	29	0	--
Treasure	89	14.0	62.4	26	0	--
WA7902	91	12.4	62.5	27	3	--
WA7905	96	13.3	61.8	30	18	--
Whitebird	95	13.4	63.8	29	5	--
Zak	79	13.4	62.3	28	3	--
Average	96	13.3	61.9	28	2	--
LSD <sub>.10</sub> <sup>/</sup>	13	0.6	1.8	2	9	--

Table 18. Mean grain yield, protein, test weight, plant height, lodging and vitreous kernels of irrigated hard spring wheat at Kuna, 2002.

Entry	Grain Yd <sup>1/</sup> bu/A	Protein %	Test Wt. lb/bu	Plant Ht. in.	Lodging %	Vitreous %
<b>Hard Spring Wheat</b>						
<b>Hard Red</b>						
Hi-Line	85	15.8	63.0	28	3	--
IDO557	80	15.9	61.8	25	0	--
IDO566	103	14.6	63.6	29	0	--
Jefferson	88	15.1	63.4	27	0	--
Saxon	79	16.5	64.1	29	0	--
Scarlet	88	15.4	63.9	30	5	--
SX1501B	118	14.8	60.8	27	0	--
SX1502B	93	16.4	60.8	27	0	--
SX1503B	102	14.5	56.1	24	0	--
Tara	83	15.7	62.4	29	3	--
WA7859	82	15.9	63.4	32	3	--
WPB936	92	16.1	61.8	27	3	--
<b>Hard White</b>						
Blanca Grande	71	15.7	62.5	22	0	--
GM40002	83	14.7	62.8	26	10	--
GM40003	79	15.5	65.0	25	3	--
GM40004	86	15.4	64.0	27	0	--
IDO 377s	103	15.4	64.1	29	3	--
Lolo	94	15.3	64.3	28	0	--
Macon	89	15.2	63.4	27	3	--
Plata	107	14.1	63.0	27	0	--
Pristine	93	16.2	65.0	27	5	--
WA7900	82	15.0	63.5	27	10	--
WA7901	97	15.1	64.9	31	8	--
Winsome	104	14.0	63.4	29	0	--
YU995-231W	103	14.2	63.8	21	0	--
<b>Durum</b>						
GM90002	74	15.4	63.8	25	0	97.8
GM90003	80	15.8	61.5	24	0	98.0
GM90005	85	15.4	61.0	31	5	97.1
GM90014	78	15.5	62.8	27	3	97.4
GM90015	80	15.7	62.5	26	0	96.8
Utopia	104	15.3	62.9	27	18	94.8
WPB881	91	15.2	62.6	28	3	94.9
YU894-75	71	15.7	61.8	25	0	96.6
Average	88	15.4	63.2	27	3	96.7
LSD <sub>.10</sub> <sup>2/</sup>	19	1.0	1.6	3	8	3.1

<sup>1/</sup> Grain yield is based on a test weight of 60 lb/bu after correction of dry weight to 11% moisture content.

<sup>2/</sup> Means must differ by more than the LSD<sub>.10</sub> to be statistically different at the 10% probability level.