

Table 1. Mean grain yield, percent protein, test weight, plant height, and percent lodging of irrigated soft white winter wheat. Parma, 2009

Entry	Grain Yd <sup>1</sup> bu/A	Protein %	Test Wt. lb/bu	Plant Ht. in	Lodging %
Bitterroot	143.9		57.7	43.4	46
Bruneau	151.9		57.4	41.8	84
CF Brundage	140.6		55.8	38.5	90
CF Lambert	152.9		56.3	44.0	45
Goetze	136.3		56.4	37.5	0
ID00-475-2dh	143.0		58.8	38.2	68
ID0663	151.1		57.8	41.8	66
ID98-19010A	170.2		59.2	38.3	49
ID-D-05	147.3		58.0	39.5	63
KW08021	138.5		57.2	41.3	68
Legion	132.2		55.8	43.4	89
ORCF102	150.9		58.4	41.7	16
Salute	143.0		56.3	42.5	56
Skiles	144.6		58.1	38.0	36
Stephens	134.0		56.6	39.5	90
Tubbs06	148.8		57.7	43.4	75
WB 528	152.8		59.0	39.5	35
Average	146.2		57.4	40.8	57
LSD <sub>.10</sub> <sup>2</sup>	12.8		1.3	0.8	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 2. Mean grain yield, percent protein, test weight, plant height, and percent lodging of irrigated hard winter wheat. Parma, 2009

Entry	Grain Yd <sup>1</sup> bu/A	Protein %	Test Wt. lb/bu	Plant Ht. in	Lodging %
<i>Winter hard reds</i>					
Esperia	144.1		60.2	36.4	20
Hoff	147.7		59.4	41.6	8
ID0621	138.4		59.6	39.2	45
ID0651	117.3		58.7	51.8	69
Moreland	149.1		57.7	38.8	11
Norwest 553	160.7		60.6	35.2	0
<i>Winter hard whites</i>					
ID0656	138.4		59.3	45.7	68
ID0658	121.2		59.4	42.9	81
Ivory	149.7		59.2	41.3	78
Mieti	141.6		58.6	32.6	3
Mol	140.7		61.8	34.8	0
NuHorizon	168.4		62.2	37.4	3
Average	143.1		59.7	39.8	32
LSD <sub>10</sub> <sup>2</sup>	10.7		0.9	1.2	19

<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, and percent lodging of irrigated fall planted winter barley. Parma, 2009

Entry	Grain Yd <sup>1</sup> bu/A	Test Wt. lb/bu	Plant Ht. in	Lodging %	Thins %
<i>Winter</i>					
Charles	157.8	43.2	40.7	90	
Endeavor	139.1	45.2	43.8	90	
OR81	195.7	48.1	43.2	90	
Strider	191.6	44.6	43.1	90	
Sunstar Pride	133.2	41.8	40.0	90	
Average	163.4	44.6	42.1	90	
LSD <sub>10</sub> <sup>2</sup>	16.7	1.5	1.1	--	

<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 soft white winter wheat. Weiser, 2009

Entry	Grain Yd <sup>1</sup> bu/A	Protein %	Test Wt. lb/bu	Plant Ht. in	Lodging %
Bitterroot	135.7		60.3	40.3	0
Bruneau	140.9		59.6	36.4	0
CF Brundage	115.9		57.3	33.5	0
CF Lambert	131.0		59.3	39.0	5
Goetze	131.9		58.2	31.0	0
ID00-475-2dh	140.2		61.1	37.2	0
ID0663	131.1		58.1	35.3	0
ID98-19010A	143.2		59.1	31.9	0
ID-D-05	133.0		61.9	34.4	0
Legion	133.1		59.2	39.6	11
ORCF102	128.6		60.0	38.3	0
Salute	143.8		57.8	38.7	0
Skiles	133.1		59.6	34.3	0
Stephens	134.7		57.1	35.6	0
Tubbs06	148.5		58.9	40.9	0
WB 528	135.6		60.6	34.3	0
Average	135.0		59.3	36.3	1
LSD <sub>.10</sub> <sup>2</sup>	11		1.2	1.8	7.4

<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, and percent lodging of irrigated hard winter wheat. Weiser, 2009

Entry	Grain Yd <sup>1</sup> bu/A	Protein %	Test Wt. lb/bu	Plant Ht. in	Lodging %
<i>Winter hard reds</i>					
Hoff	119.2		60.2	36.3	16
ID621	121.1		61.6	33.2	0
ID0651	116.8		61.5	46.2	51
170.2Moreland	114.4		60.4	30.9	1
Norwest 533	107.0		60.7	30.2	0
<i>Winter hard whites</i>					
ID0658	114.9		60.7	41.0	39
Ivory	139.6		60.7	37.4	0
NuHorizon	120.8		62.9	29.9	0
Average	119.2		61.1	35.6	13
LSD <sub>.10</sub> <sup>2</sup>	15.3		1.9	2.4	22

<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 7. Mean grain yield, percent protein, test weight, plant height, and percent lodging of late planted irrigated soft white winter wheat. Parma, 2009

Entry	Grain Yd <sup>1</sup> bu/A	Protein %	Test Wt. lb/bu	Plant Ht. in	Lodging %
Bitterroot	116.3		57.4	40.5	0
Bruneau	137.9		58.4	38.5	18
CF Brundage	123.9		55.6	36.0	10
CF Lambert	138.1		56.5	41.4	44
Goetze	127.7		55.4	34.4	0
ID00-475-2dh	120.4		58.7	36.4	10
ID0663	134.5		56.8	37.8	13
ID98-19010A	159.6		58.4	33.4	3
ID-D-05	147.1		60.3	36.0	21
Legion	131.3		56.0	41.2	61
ORCF-102	120.6		57.6	37.7	0
Salute	116.2		54.6	39.8	1
Skiles	131.0		57.7	34.4	0
Stephens	132.9		56.2	38.0	61
Tubbs06	133.3		56.9	39.6	25
WB 528	140.3		58.5	36.6	0
Average	132.0		57.1	37.6	17
LSD <sub>.10</sub> <sup>2</sup>	6		0.8	1.0	17

<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, and percent lodging of late planted irrigated hard winter and spring wheat genotypes. Parma, 2009

Entry	Grain Yd <sup>1</sup> bu/A	Protein %	Test Wt. lb/bu	Plant Ht. In	Lodging %
<i>Winter hard reds</i>					
Esperia	136.4		60.2	31.4	3
Hoff	135.7		60.8	37.2	9
ID621	127.2		58.7	35.0	0
ID651	104.2		60.1	46.2	31
KW7051	122.1		60.2	37.1	0
KW7052	126.7		63.4	36.4	1
Moreland	147.0		59.4	34.3	20
Norwest 533	123.1		60.2	30.5	0
<i>Winter hard whites</i>					
ID0656	133.7		59.8	43.1	10
ID0658	114.0		59.7	39.6	53
Ivory	142.2		59.5	38.3	11
Mieti	126.1		59.2	26.7	0
Mol	117.0		61.6	28.8	0
NuHorizon	163.7		63.2	34.1	0
<i>Spring hard wheat</i>					
WB 936 (HRS)	136.8		61.1	33.7	3
Average					
LSD <sub>.10</sub> <sup>2</sup>	8.4		0.7	1.3	19

<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 9. Mean grain yield, percent protein, test weight, plant height, and percent lodging of late planted irrigated soft white winter wheat. Mtn. Home, 2009

Entry	Grain Yd <sup>1</sup> bu/A	Protein %	Test Wt. lb/bu	Plant Ht. in	Lodging %
Bitterroot	150.8		57.6	33.5	0
Bruneau	148.0		56.3	30.5	0
CF Brundage	135.1		55.2	28.8	0
CF Lambert	126.5		56.6	31.9	0
Goetze	132.8		55.5	27.2	0
ID00-475-2dh	155.0		58.3	31.3	0
ID0663	134.3		55.7	29.7	0
ID98-19010A	145.8		57.1	26.7	0
ID-D-05	149.4		58.8	30.8	0
Legion	152.0		56.4	34.0	0
ORCF-102	149.2		57.5	31.3	0
Salute	145.7		54.9	32.4	0
Skiles	140.5		57.0	29.3	0
Stephens	134.0		55.7	29.4	0
Tubbs06	153.5		56.6	32.9	0
WB 528	141.9		58.3	29.2	0
Average	143.4		56.7	30.5	0
LSD <sub>.10</sub> <sup>2</sup>	11.7		0.6	1.0	--

<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 10. Mean grain yield, percent protein, test weight, plant height, and percent lodging of late planted irrigated hard winter and spring wheat genotypes. Mtn. Home, 2009

Entry	Grain Yd <sup>1</sup> bu/A	Protein %	Test Wt. lb/bu	Plant Ht. in	Lodging %
<i>Winter hard reds</i>					
Hoff	118		59.5	30.4	0
ID0621	127		59.4	29.0	0
ID0651	108		59.4	41.5	1
Moreland	124		58.5	26.7	1
Norwest 553	125		58.6	26.7	0
<i>Winter hard whites</i>					
Ivory	130		58.7	33.2	0
NuHorizon	123		61.2	28.1	1
<i>Spring hard wheat</i>					
WB 936 (HRS)	108		60.1	27.4	1
Average	120		59.4	30.4	--
LSD <sub>.10</sub> <sup>2</sup>	12		0.6	1.6	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.