

2012 WSU Variety Testing Hard Winter Wheat Trial Summary

Precipitation Zone >16"

Variety Name	Yield (Bu/A)					Test Wt (Lbs/Bu)					Protein (%)				
	Dayton	Pullman	Rearдан	Walla Walla	Average	Dayton	Pullman	Rearдан	Walla Walla	Average	Dayton	Pullman	Rearдан	Walla Walla	Average
Hard Red Winter	Yield (Bu/A)					Test Wt (Lbs/Bu)					Protein (%)				
Altigo	134	129	72	130	116	60.1	57.2	59.7	58.5	58.9	11.3	11.8	12.3	10.7	11.5
Norwest 553	145	117	65	122	112	63.4	59.7	61.9	62.6	61.9	11.9	13.4	15.0	11.6	13.0
WA 8119	121	119	86	102	107	61.2	55.9	59.3	59.3	59.0	10.1	12.2	12.1	10.2	11.2
Azimut	116	115	79	109	105	59.9	55.6	59.9	58.8	58.5	11.0	12.3	12.8	10.9	11.8
Eddy	121	118	68	93	100	63.9	62.9	62.9	62.2	63.0	12.0	12.2	14.2	12.4	12.7
IDO816	103	135	72	84	99	61.2	60.5	61.7	59.5	60.7	12.0	11.7	13.3	11.9	12.2
Boundary	119	119	76	62	94	62.9	59.9	61.7	60.7	61.3	11.3	11.8	13.0	10.4	11.6
WA 8156	100	128	76	68	93	62.1	61.2	60.3	58.7	60.6	11.8	12.0	13.2	11.8	12.2
Bauermeister	112	107	78	71	92	61.4	55.0	61.4	58.6	59.1	10.6	11.4	12.0	11.1	11.3
WA 8157	109	115	67	66	89	60.3	57.9	61.3	57.0	59.2	11.2	12.9	13.7	10.9	12.2
UI SRG	84	122	66	80	88	61.0	60.8	61.9	58.3	60.5	12.2	12.2	14.3	12.0	12.7
WA 8118	78	112	62	72	81	60.8	60.4	61.9	59.2	60.6	13.5	14.6	15.3	12.7	14.0
Finley	86	105	60	72	81	63.1	61.1	63.3	61.7	62.3	12.7	11.7	13.5	12.5	12.6
Farnum	77	104	71	62	78	61.3	57.0	60.0	58.6	59.2	12.6	12.4	13.1	12.6	12.7
Hard White Winter	Yield (Bu/A)					Test Wt (Lbs/Bu)					Protein (%)				
OR2080227H	135	122	77	135	117	63.1	60.6	62.9	61.9	62.1	10.3	11.4	12.5	9.8	11.0
OR2080236H	129	119	83	122	114	61.9	57.6	60.9	61.6	60.5	11.1	12.6	13.0	11.1	12.0
OR2080229H	126	129	68	130	113	64.4	61.4	63.0	62.2	62.8	10.4	11.9	13.8	9.6	11.4
OR2080156H	126	122	53	110	103	62.8	59.3	61.3	62.0	61.3	11.8	11.9	15.4	10.7	12.5
WA 8159	113	119	75	94	100	60.6	57.4	60.5	57.8	59.1	11.1	12.3	12.7	11.0	11.8
UI Silver	107	118	76	100	100	63.4	60.3	63.3	60.7	61.9	11.1	12.0	13.2	10.0	11.6
MDM	108	109	93	82	98	61.2	58.5	61.9	58.1	59.9	11.2	11.8	11.9	11.3	11.6
WA 8158	103	117	72	69	90	61.1	59.4	60.9	58.5	60.0	12.8	13.0	13.1	11.9	12.7
UICF-Grace	78	108	60	57	76	60.9	58.2	60.8	58.4	59.6	12.4	12.6	14.3	13.0	13.1
Soft White Winter	Yield (Bu/A)					Test Wt (Lbs/Bu)					Protein (%)				
Eltan	98	118	70	84	93	60.5	58.1	61.8	57.3	59.4	11.5	11.6	11.7	11.1	11.5
C.V. %	11	11	11	10	11	1.1	3.5	0.5	1.3	1.9	5.7	4.8	2.7	7.5	5.3
LSD (0.10)	13	14	9	9	6	0.7	2.2	0.3	0.8	0.6	0.7	0.6	0.4	0.9	0.3
Average	109	118	72	91	98	61.8	59.0	61.4	59.7	60.5	11.6	12.3	13.3	11.3	12.1
Highest	145	135	93	135	117	64.4	62.9	63.3	62.6	63.0	13.5	14.6	15.4	13.0	14.0
Lowest	77	104	53	57	76	59.9	55.0	59.3	57.0	58.5	10.1	11.4	11.7	9.6	11.0

2012 WSU Hard Winter Wheat Trial Summary Precipitation Zone >16" – Preliminary Data

1. Hard red and white winter wheat grain yield across four locations and 24 entries in the >16" precipitation zone averaged 98 bushels/acre, 28 bushels/acre lower than the 2011 average of 126 bushels/acre and 6 bushels/acre lower than the 2010 average of 104 bushels/acre. The CV for the average data was 11 and was lower than the 2011 CV value. In general the 2012 trials had good fall establishment.
2. Yields among entries averaged across locations ranged from 76 to 117 bushels/acre and reflected a mostly average growing season. 'Altigo' and 'Norwest 553' were the highest yielding named varieties averaged across locations and were the named varieties in the top 10% LSD range (6 bushels/acre) of the highest yield and are shown in bold. Stripe rust levels were low and effectively controlled with fungicide application.
3. Test weight averaged 60.5 lbs./bu across locations and entries and was lower than last year's 61.5 lbs./bu average. Grain protein averaged 12.1% and was higher than the 2011 value of 10.9%.