

2012 WSU Variety Testing Hard Winter Wheat Trial Summary

Precipitation Zone <12"

Variety Name	Yield (Bu/A)					Test Wt (Lbs/Bu)					Protein (%)				
	Connell	Lind	Ritzville	St. Andrews	Average	Connell	Lind	Ritzville	St. Andrews	Average	Connell	Lind	Ritzville	St. Andrews	Average
Hard Red Winter	Yield (Bu/A)					Test Wt (Lbs/Bu)					Protein (%)				
Boundary	27	42	72	70	53	58.0	60.2	60.1	61.8	60.0	14.7	12.5	11.5	7.6	11.6
WA 8156	39	44	70	53	52	58.2	58.8	59.9	59.2	59.0	13.9	12.8	10.8	7.8	11.3
Bauermeister	31	38	61	74	51	59.0	60.2	60.8	62.6	60.7	13.9	12.7	11.1	7.6	11.3
Farnum	36	42	61	61	50	58.4	58.9	60.0	60.9	59.5	14.3	13.7	12.5	8.2	12.2
Norwest 553	20	42	63	61	46	59.4	61.4	60.6	62.8	61.1	15.6	12.9	12.2	8.5	12.3
Finley	23	38	63	56	45	59.2	61.5	62.8	62.9	61.6	15.6	13.0	12.3	8.6	12.4
WA 8119	26	31	66	56	45	57.9	59.1	60.7	60.8	59.6	13.4	13.5	11.4	8.9	11.8
Eddy	14	36	67	59	44	59.5	60.4	60.9	63.5	61.1	16.6	13.8	12.9	8.9	13.0
UI SRG	20	33	63	61	44	57.5	59.9	60.6	62.2	60.1	15.9	12.8	12.6	8.6	12.5
WA 8157	25	32	69	44	43	59.9	60.5	60.7	59.1	60.1	14.7	13.7	11.9	8.7	12.3
IDO816	28	38	54	52	43	58.6	60.1	60.7	62.0	60.3	14.2	12.6	12.7	9.3	12.2
Altigo	17	23	64	59	41	54.3	57.4	56.5	58.9	56.8	13.9	13.1	11.8	7.8	11.6
Azmut	15	25	60	58	40	56.9	57.7	57.5	59.9	58.0	16.0	12.8	11.2	7.9	12.0
WA 8118	13	34	54	47	37	58.4	59.9	60.4	62.1	60.2	18.3	14.3	13.2	9.3	13.8
Hard White Winter															
OR2080236H	35	42	68	61	51	57.8	59.7	61.4	62.0	60.2	13.7	12.5	11.8	8.7	11.7
WA 8159	33	40	65	55	48	58.8	59.1	60.4	60.6	59.7	13.9	12.8	12.2	8.6	11.9
MDM	26	42	57	68	48	59.9	60.6	60.0	62.2	60.7	14.3	12.1	11.0	7.3	11.2
UI Silver	28	32	68	59	47	61.0	61.9	62.4	63.6	62.2	14.2	13.6	11.9	8.6	12.1
OR2080229H	28	34	69	58	47	58.7	60.6	62.3	63.1	61.2	14.6	12.7	11.2	8.1	11.7
OR2080227H	27	38	65	59	47	58.5	60.3	61.8	62.5	60.8	13.9	12.7	11.7	7.9	11.6
WA 8158	33	29	59	57	45	59.4	59.5	60.9	61.4	60.3	13.7	14.2	13.1	8.3	12.3
UICF-Grace	24	38	59	53	44	58.4	60.4	61.1	61.8	60.4	15.9	13.1	12.7	9.1	12.7
OR2080156H	24	29	56	49	39	57.6	58.9	59.8	62.2	59.6	16.2	15.1	12.5	8.6	13.1
Soft White Winter															
Eltan	28	40	65	73	51	59.6	60.3	59.3	62.1	60.3	13.6	12.5	10.4	7.5	11.0
C.V. %	14	14	11	14	14	1.1	1.3	0.7	1.8	1.3	4.1	3.7	4.9	8.8	5.1
LSD (0.10)	4	5	8	9	3	0.7	0.8	0.4	1.2	0.4	0.7	0.5	0.6	0.8	0.3
Average	26	36	63	59	46	58.5	59.9	60.5	61.7	60.1	14.8	13.2	11.9	8.3	12.1
Highest	39	44	72	74	53	61.0	61.9	62.8	63.6	62.2	18.3	15.1	13.2	9.3	13.8
Lowest	13	23	54	44	37	54.3	57.4	56.5	58.9	56.8	13.4	12.1	10.4	7.3	11.0

2012 WSU Hard Winter Wheat Trial Summary Precipitation Zone <12" – Preliminary Data

1. Hard red and white winter wheat grain yield across four locations and 24 entries in the <12" precipitation zone averaged 46 bushels/acre, 10 bushels/acre lower than the 2011 average of 56 bushels/acre but 2 bushels/acre higher than the 2010 average of 44 bushels/acre. The CV for the average data was 14 similar to the 2011 CV value. In general the 2012 trials had good fall establishment.
2. Yields among entries averaged across locations ranged from 37 to 53 bushels/acre and reflected a mostly average growing season. 'Boundary' 'Bauermeister' and 'Farnum' were the highest yielding named varieties averaged across locations and were the named varieties in the top 10% LSD range (3 bushels/acre) of the highest yield and are shown in bold. Stripe rust was effectively controlled with fungicide application except for Connell, a planned non-treated site, but had little stripe rust impact.
3. Test weight averaged 60.1 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 last year's 10.9% value.