2012 WSU Variety Testing Soft White Winter Wheat Trial Summary

Precipitation Zone <12"

Variety Name *(Club Italicized)*	Yield (Bu/A)						Test Wt (Lbs/Bu)						Protein (%)					
	Connell	Harrington	Lind	Ritzville	St. Andrews	Average	Connell	Harrington	Lind	Ritzville	St. Andrews	Average	Connell	Harrington	Lind	Ritzville	St. Andrews	Average
Xerpha	45	87	54	80	64	**66**	58.7	59.7	59.5	60.4	61.6	60.0	13.4	9.7	12.3	7.4	10.7	10.7
Chukar	35	84	56	75	73	**65**	57.8	57.5	58.1	58.0	61.6	58.6	14.1	10.2	11.7	6.9	10.0	10.6
Rod	37	86	52	89	54	**64**	57.9	59.0	58.5	59.6	61.2	59.2	13.6	9.6	11.4	7.7	10.5	10.6
ARS970161-2L	33	90	53	75	63	**63**	59.1	60.8	60.8	61.2	62.7	**60.9**	13.9	10.5	12.4	8.4	10.8	11.2
ARS970161-3L	33	89	54	75	61	**63**	59.0	60.8	60.3	60.9	63.2	**60.9**	14.2	10.0	12.2	7.8	11.3	11.1
Masami	36	83	57	71	62	62	58.5	58.8	58.8	60.1	60.9	59.4	13.3	10.4	11.2	7.6	10.1	10.5
Tubbs 06	34	86	52	70	68	62	57.4	59.1	58.8	59.7	61.4	59.3	14.3	10.1	11.6	7.2	9.3	10.5
Bruehl	33	83	56	71	62	61	58.9	56.8	59.4	58.9	60.2	58.8	15.0	10.5	11.6	7.7	10.7	11.1
WA 8116	33	88	49	74	61	61	58.4	60.4	60.2	60.9	62.0	60.4	13.5	9.9	12.2	8.1	11.4	11.1
Otto (WA 8092)	32	90	46	74	62	61	59.3	58.9	60.4	60.1	61.6	60.1	13.8	10.3	12.5	7.9	11.3	11.2
ORCF-103	35	85	53	70	61	61	59.3	59.1	59.7	59.3	61.9	59.9	13.3	10.3	11.9	7.9	10.7	10.8
ARS-Crescent (ARS970163-4C)	33	82	58	67	61	60	57.5	59.1	58.6	58.9	62.2	59.3	13.9	10.5	11.5	6.9	10.5	10.6
ARS-Amber (ARS960277L)	34	81	46	74	61	59	58.7	58.6	59.2	59.3	61.4	59.4	12.6	10.0	11.9	7.9	9.7	10.4
Madsen/Rod	35	80	53	73	54	59	58.0	59.5	59.0	59.8	61.2	59.5	14.5	10.9	12.3	8.4	10.9	11.4
Eltan/Tubbs 06	34	82	46	72	58	59	58.4	60.2	59.5	60.0	61.1	59.8	13.1	9.8	11.8	8.1	9.9	10.5
ARS970277L reselect	34	77	47	69	65	58	58.6	57.2	59.2	58.7	62.1	59.2	12.7	10.1	11.7	6.9	10.0	10.3
ORCF-102	31	78	44	76	59	58	57.9	60.9	59.5	60.4	61.8	60.1	14.8	11.0	12.6	8.7	10.7	11.6
OR2701071	30	82	49	72	57	58	56.5	56.1	57.6	57.6	58.8	57.3	12.8	10.3	10.8	7.2	9.2	10.1
OR08047P94	33	76	48	73	58	58	56.5	57.4	57.5	57.9	58.7	57.6	12.8	10.1	11.0	7.3	9.6	10.2
WA 8152	37	80	41	70	58	58	59.7	60.2	60.2	61.1	61.8	60.6	13.6	10.9	13.1	8.1	11.5	11.5
Eltan	29	83	48	68	59	58	58.4	59.4	60.1	59.4	62.2	59.9	13.2	10.0	11.8	7.9	11.0	10.8
WA 8134	36	78	41	73	59	58	58.4	60.2	59.0	59.3	61.5	59.7	13.4	10.3	12.4	7.8	10.9	11.0
WA 8137	35	77	45	69	60	57	59.6	59.8	61.0	61.4	63.0	**61.0**	12.9	11.1	12.0	7.8	10.9	11.0
Coda	36	76	52	69	52	57	59.2	61.4	59.9	61.0	62.8	**60.9**	14.5	10.8	12.6	8.6	11.6	11.6
WA 8136	38	77	44	74	52	57	58.0	57.2	59.2	59.8	60.5	59.0	12.3	10.1	11.9	7.8	10.6	10.5
Madsen	34	77	47	64	59	56	58.2	60.6	59.2	59.8	61.8	59.9	14.4	11.4	12.5	8.6	10.8	11.6
ARS010780-3C	38	76	50	64	53	56	58.5	59.9	59.5	59.5	61.9	59.9	13.2	11.5	12.3	7.7	10.7	11.1
Cara	31	74	47	67	60	56	57.5	57.2	57.9	57.5	60.9	58.2	14.4	10.6	11.6	7.1	10.2	10.8
ARS-Chrystal (ARS970075-3C)	24	82	48	74	50	55	57.1	59.5	59.3	59.7	62.1	59.5	15.0	10.0	12.1	7.9	10.4	11.1
OR2070870	28	86	39	65	58	55	57.5	59.8	58.7	59.6	61.3	59.4	15.2	10.7	13.4	8.6	12.1	**12.0**
WA 8155	33	78	41	62	61	55	59.8	57.9	60.8	60.5	61.9	60.2	13.2	11.4	12.2	7.5	11.2	11.1
ARS010762-2C	33	74	46	70	51	55	57.1	58.1	57.9	58.8	59.9	58.4	14.3	11.3	11.8	8.4	11.3	11.4
Skiles	26	81	47	70	47	54	57.4	60.1	58.7	61.4	61.3	59.8	15.7	10.2	13.5	8.3	10.7	11.7
LWW-04-4009	36	79	39	58	57	54	58.9	60.1	60.5	60.9	62.6	60.6	13.6	11.7	13.6	7.5	10.9	11.5
WA 8154	30	77	44	66	52	54	59.1	61.1	59.9	59.8	62.4	60.5	14.6	10.6	12.8	8.6	11.2	11.6
OR2071628	21	85	35	70	56	54	57.6	59.8	58.5	58.8	61.3	59.2	14.0	9.3	12.4	8.5	10.4	10.9
WA 8151	28	83	38	61	56	53	58.3	59.0	58.5	59.5	61.3	59.3	13.8	9.9	12.7	6.7	10.6	10.7
WA 8143	34	78	40	56	57	53	60.0	58.6	60.8	60.4	62.0	60.4	13.4	10.3	11.9	7.5	11.3	10.9
Stephens	17	75	50	63	58	53	58.4	59.3	59.1	59.0	61.7	59.5	15.3	11.1	12.0	8.3	11.2	11.6
WB-528	25	80	36	68	52	53	59.2	61.0	60.9	60.7	62.8	**60.9**	14.7	11.3	13.8	8.1	10.8	11.8
IDO663	26	81	40	61	52	52	58.4	60.4	59.4	59.5	61.9	59.9	14.7	10.1	12.1	8.3	11.1	11.3
Goetze/Skiles	26	76	38	71	47	52	57.3	59.8	58.6	59.9	61.0	59.3	15.3	10.1	13.4	8.5	12.2	**11.9**
Mary (OR2040726)	23	78	37	68	51	51	56.5	60.4	58.4	59.9	61.5	59.3	14.9	10.6	13.0	8.7	11.1	11.7
WA 8135	29	71	41	64	49	51	59.5	59.8	59.9	61.4	62.6	**60.7**	13.8	12.4	13.6	9.2	11.1	**12.0**
WA 8153	26	80	44	58	45	51	58.0	60.7	60.0	60.6	62.4	60.3	15.2	10.5	13.8	8.6	12.7	**12.2**
ARS990077-1C	31	72	42	57	49	50	59.5	60.1	59.7	58.6	61.6	59.9	13.6	10.9	12.5	6.9	10.1	10.8
WA 8142	24	75	38	65	47	50	58.8	61.0	60.1	61.2	62.5	**60.7**	15.7	11.3	13.5	8.7	11.7	**12.2**
LCS-Artdeco (NSA06-2153A)	13	76	30	27	59	41	55.6	59.2	56.3	57.4	60.1	57.7	14.5	10.1	12.4	10.5	10.2	11.6
C.V. %	14	8	12	13	10	11	0.7	1.3	0.7	0.8	0.9	0.9	4.6	8.0	4.8	9.2	7.0	6.5
LSD (0.10)	5	7	6	9	6	3	0.4	0.8	0.4	0.5	0.6	0.3	0.7	0.9	0.6	0.8	0.8	0.3
Average	31	80	46	68	57	57	58.3	59.4	59.3	59.8	61.6	59.7	14.0	10.5	12.3	8.0	10.8	11.1
Highest	46	90	58	89	73	66	60.0	61.4	61.0	61.4	63.2	61.0	15.7	12.4	13.8	10.5	12.7	12.2
Lowest	13	71	30	27	45	41	55.6	56.1	56.3	57.4	58.7	57.3	12.3	9.3	10.8	6.7	9.2	10.1

2012 WSU Soft White Winter Wheat Trial Summary
Precipitation Zone <12" – *Preliminary Data*

1. Soft white winter wheat grain yield across five locations and 48 entries in the <12" precipitation zone averaged 57 bushels/acre, 5 bushels/acre lower than the 2011 average of 62 bushels/acre but 7 bushels/acre higher than the 2010 average of 50 bushels/acre. The CV for the average data was 11 similar to the 2011 CV value. In general the 2012 trials had good fall establishment.
2. Yields among entries averaged across locations ranged from 41 to 66 bushels/acre and reflected a mostly average growing season. 'Xerpha' 'Chukar' and 'Rod' 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 59.7 lbs./bu across locations and entries and was lower than last year's 61.0 lbs./bu average. Grain protein averaged 11.1% and was higher than last year's 10.5% value.