

2011 WSU Variety Testing SW Winter Wheat Trial, Almira

Variety Name <small>*Club Italized</small>	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	2011					
				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE	S.MOLD (%)
WA 8143				139	59.8	9.9	46	172	0
Sunrise (Soft Red)			117	132	60.0	9.7	51	167	22
ARS97230-6C				126	61.0	9.0	42	168	32
OR2071628				125	59.1	10.8	41	167	47
Eltan/Tubbs 06		111	108	122	60.6	9.4	45	168	8
Eltan	103	109	108	121	60.2	10.0	43	171	0
Bruehl	109	117	122	119	57.9	9.6	44	168	15
Brundage 96	117	128	133	117	59.6	9.9	41	165	15
Xerpha	114	113	109	116	60.0	10.8	42	170	23
AP 700 CL	111	115	114	116	59.3	11.1	43	167	42
WA 8094		112	116	115	61.7	9.7	43	170	23
Coda	104	114	121	114	61.2	11.0	45	171	48
Rod	112	116	121	114	57.5	10.8	42	170	37
96-16702A				114	61.4	9.6	46	165	42
Madsen	110	117	120	112	59.7	11.4	41	170	30
WA 8135				112	61.4	9.8	45	168	43
UICF-Brundage	108	113	117	111	59.5	11.0	40	167	22
ARS960277L (ARS-Amber)			121	110	59.0	10.3	41	168	23
AP Legacy		121	123	110	59.1	10.4	42	168	48
Rod/WB-528				109	58.3	9.8	40	167	52
Rod/Tubbs 06		116	116	108	58.6	10.2	43	168	37
IDO663				108	60.8	10.4	41	166	55
WA 8144				108	60.9	9.6	48	172	5
WA 8114			117	106	61.4	9.8	41	165	38
Tubbs 06	108	112	113	105	59.7	9.8	43	167	62
Bruneau	116	125	124	105	59.0	10.9	41	168	17
Skiles		121	125	105	60.5	10.6	38	168	78
ARS970075-3C			119	104	59.4	9.6	43	167	45
OR2070385				104	57.8	11.2	42	166	50
OR2040726 (Mary)		122	127	103	59.7	10.8	39	165	32
BZ6W02-616		119	122	103	61.6	10.3	39	165	63
Chukar	105	113	121	101	58.6	10.0	39	165	82
Masami	101	107	102	100	59.2	9.4	39	171	35
Madsen/Rod	105	108	110	100	59.3	9.8	41	167	42
ARS98X402-1C				100	60.3	8.9	40	168	82
WA 8142				100	60.9	10.4	41	166	40
Chukar +25%			116	98	57.4	11.4	39	173	65
WA 8136				97	56.5	11.5	40	172	48
ORCF-102	105	109	109	95	59.0	10.5	44	168	62
WA 8116			111	95	58.6	11.3	38	171	23
Cara +25%			119	95	59.0	11.7	37	170	73
Legion		113	108	94	58.3	10.6	40	167	77
Stephens	105	112	113	93	59.6	11.6	39	166	70
Bitterroot	99	104	105	92	59.4	11.3	41	168	57
ORCF-103	99	103	101	92	58.1	10.6	40	169	22
AP Badger				91	59.3	11.6	36	166	62

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				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE	S.MOLD (%)	
Goetze/Skiles			115	88	61.5	10.5	36	168	95	
WA 8092		102	98	86	59.5	10.7	44	175	8	
WA 8134				86	60.5	10.0	41	169	82	
ID00-475-2DH			95	85	60.3	11.3	40	168	43	
ARS970161-3L				84	60.4	11.4	39	168	70	
03PN107#3				84	59.7	10.7	39	167	73	
Finch	102	108	103	82	59.7	11.3	41	170	55	
Cara	106	110	112	81	59.5	11.5	37	168	85	
Lambert	105	103	102	81	58.7	10.9	43	166	60	
ARS970163-4C			106	80	60.0	11.5	40	168	93	
SY Ovation				66	60.2	10.6	38	167	97	
WA 8145				63	60.1	11.4	37	166	97	
WB-528	104	104	99	58	62.7	11.3	35	166	95	
NSA06-2153A	- - - - -	- - - - -	- - - - -	Variety Lost, No Data - - - - -						100
C.V.	16	14	14	14	1.9	10.1	5	1	33	
LSD	8	12	17	26	2.1	2.0	4	2	31	
Average	107	113	114	100	59.6	10.5	41	168	49	
Highest	117	128	133	139	62.7	11.7	51	175	100	
Lowest	99	102	95	58	56.5	8.9	35	166	0	

Almira Soft White Winter Wheat – Preliminary Data

1. Grain yield in the Almira soft white winter wheat trial averaged 100 bushels/acre, seven bushels/acre lower than the 5-year average. The Almira nursery was located about six miles north of Almira, WA (Dan McKay, cooperator).
2. This nursery was seeded on 9 September, 2010 following fallow. Seed was placed at an 85#/acre seeding rate using a double-disc plot drill set on 6-inch spacing. Base fertilizer was 75#N/acre fall applied. Fall seeding conditions were favorable and emergence and stand establishment were good.
3. Yields ranged from 58 to 139 bu/ac. All yield values within the 10% LSD range of the highest yield are shown in bold. Sunrise (a soft red) was the highest yielding named entry in the trial, and 14 of the 60 entries in the trial were within the top LSD range. Brundage 96 was the top yielding entry across five years of results at this location. This site had high potential for snow mold and symptoms were evident after the snow left in the spring. Entries were rated for stand about 3 weeks after the snow came off and provide a good differential for snow mold tolerance/resistance for the trial. There was little or no snow mold effect on Eltan and one entry was wiped out with everything else in between. Snow mold was not uniform across the trial and contributed to an increased CV for yield. There was moderate stripe rust potential at this location and no fungicide was applied. There was an estimated 10% or more yield loss due to stripe rust for susceptible varieties. The Lattice design was 132% efficient compared to an RCBD.
4. Test weights averaged 59.6 lb/bu, and ranged from 56.5 to 62.7 lb/bu. Grain protein averaged 10.5% with a range of 8.9 to 11.7%. Plant height averaged 41 inches and there was no lodging.