

2011 WSU Variety Testing SW Winter Wheat Trial, Connell

Variety Name *Club Italized	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	2011					
				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	LODGING (%)	PLANT HT	
Skiles	--	61	64	81	61.8	11.2	0	37	144
OR2070385	--			80	60.7	11.7	0	36	144
ARS970161-3L	--			76	62.8	11.9	0	39	145
Madsen/Rod	--	57	62	75	61.1	12.2	0	37	146
WA 8134	--			74	61.7	11.1	0	38	143
Coda	--	60	66	73	62.5	12.5	0	40	146
Bruehl	--	60	66	73	59.6	11.2	0	40	147
ARS970075-3C	--		64	73	62.6	10.8	0	37	144
BZ6W02-616	--	51	54	73	62.6	11.4	0	35	140
Goetze/Skiles	--		61	73	60.8	12.0	0	36	142
SY Ovation	--			73	61.6	11.3	0	37	144
WA 8142	--			73	62.3	11.6	0	38	143
Madsen	--	55	60	72	61.8	12.1	0	38	145
Legion	--	61	62	72	60.7	12.2	0	37	144
OR2040726	--	55	59	72	62.5	10.7	0	35	142
Cara +25%	--		66	72	61.1	11.6	0	34	145
ORCF-102	--	58	62	71	61.8	11.5	0	39	145
96-16702A	--			71	62.9	11.2	0	39	143
Cara	--	57	66	70	60.7	11.8	0	34	145
Rod	--	58	61	70	60.6	10.4	0	35	146
Brundage 96	--	56	61	70	61.4	10.6	0	37	144
WA 8092	--	60	67	70	60.6	11.7	0	40	148
ARS97230-6C	--			70	61.0	11.7	0	35	145
ARS98X402-1C	--			70	61.2	10.2	0	38	145
OR2071628	--			70	61.7	10.6	0	35	142
Stephens	--	53	55	69	61.7	12.5	0	32	140
AP 700 CL	--	52	55	69	61.8	11.4	0	36	142
WA 8136	--			69	60.4	10.6	0	37	146
Rod/WB-528	--			69	62.2	11.4	0	37	142
Chukar	--	59	65	68	60.7	11.3	0	38	145
UICF-Brundage	--	56	62	68	61.5	10.3	0	35	144
WB-528	--	55	56	67	63.0	10.5	0	35	140
WA 8114	--		55	67	62.3	10.6	0	35	140
IDO663	--			67	61.7	10.5	0	37	141
ARS970163-4C	--		65	66	61.2	11.1	0	37	146
Masami	--	59	64	65	61.2	10.9	0	36	147
WA 8116	--		63	65	61.7	10.8	0	38	147
03PN107#3	--			65	61.0	11.1	0	36	145
Bruneau	--	52	58	64	61.8	10.7	0	37	145
WA 8143	--			64	60.6	11.5	0	37	147
Bitterroot	--	52	56	62	61.6	10.4	0	39	145
Eltan/Tubbs 06	--	58	62	62	61.0	11.6	0	37	145
Rod/Tubbs 06	--	55	57	62	60.8	11.4	0	34	144
Chukar +25%	--		62	62	60.5	11.2	0	37	145
WA 8135	--			62	62.2	12.1	0	40	147
ARS960277L	--		60	61	59.2	11.2	0	38	145

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				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	LODGING (%)	PLANT HT	
WA 8145	--			61	61.2	11.4	0	39	141
WA 8144	--			59	60.9	12.4	0	41	148
Finch	--	56	57	58	62.0	11.8	0	39	147
AP Badger	--			58	61.5	10.9	0	31	141
Eltan	--	58	60	56	61.1	12.2	0	39	148
Xerpha	--	58	62	56	61.4	10.3	0	38	146
Tubbs 06	--	55	57	56	60.5	12.1	0	36	144
AP Legacy	--	55	58	56	60.5	10.6	0	36	144
WA 8094	--	53	56	53	61.9	11.9	0	40	146
ORCF-103	--	56	57	52	61.8	11.6	0	34	146
ID00-475-2DH	--		53	51	62.9	12.1	0	37	145
Lambert	--	46	46	50	61.9	11.7	0	38	144
Sunrise (Soft Red)	--		51	42	61.0	10.8	0	36	146
NSA06-2153A	--			40	60.1	10.1	0	31	143
C.V.	--	11	10	8	0.9	8.8	0	5	1
LSD	--	5	7	10	1.0	1.9	0	3	1
Average	--	56	60	66	61.4	11.3	0	37	144
Highest	--	61	67	81	63.0	12.5	0	41	148
Lowest	--	46	46	40	59.2	10.1	0	31	140

Connell Soft White Winter Wheat – Preliminary Data

1. Grain yield in the Connell soft white winter wheat trial averaged 66 bushels/acre, 10 bushels/acre higher than the 3-year average. Higher yields were enabled by favorable spring precipitation and temperatures. The Connell nursery was located about six miles east of Connell, WA (D. Bauermeister farm).
2. This nursery was seeded on 30 August, 2010 following summer fallow. Seed was placed at a 45#/acre seeding rate using a deep furrow plot drill set on 15-inch spacing. Base fertilizer was 60#N. Fall seeding conditions were favorable and emergence and stand establishment were good.
3. Yields ranged from 40 to 81 bu/ac. All yield values within the 10% LSD range of the highest yield are shown in bold. Skiles was the highest yielding cultivar in the trial, but 18 of the 60 entries in the trial were within the top LSD range. Skiles and Legion were the top yielding entries across three years of results. The cool and wet spring conditions along with local inoculum sources created early, high levels of stripe rust at this location. A fungicide was applied June 1 and stopped stripe rust across the trial. However, there is an estimated 30% or more yield loss by stripe rust susceptible entries in this trial.
4. Test weights were good with an average of 61.4 lb/bu. Despite early stripe rust, the June 1 fungicide provided protection during grain filling to produce good test weights.
5. Grain protein averaged 11.3% with a range of 10.1 to 12.5%, plant height averaged 37 inches, and there was no lodging.