

WSU Variety Testing 2011-12 Soft White Winter Wheat Nursery at WSU-Mount Vernon NWREC

Variety Name	mkt cl	Yield (bu/a)	Test wt (lbs/bu)	Protein (%)	Plant ht (in)	Head date (Julian)	Lodging (%)	Stripe Rust (infection type/%)
OR08047P94	SWW	174.3	60.4	8.8	43	147	0	0
OR2701071	SWW	171.0	58.4	8.8	42	148	0	0
WA 8153	SWW	149.2	59.8	8.6	46	147	0	0
Skiles	SWW	146.8	60.3	9.9	40	146	10	0
Cara	WC	144.3	60.2	10.4	48	147	10	1/10
WA 8092	SWW	135.9	58.4	9.2	49	151	60	0
OR2070870	SWW	125.5	59.8	9.3	40	146	0	3/20
Madsen	SWW	123.6	58.0	9.6	46	148	0	1/20
Madsen/Rod	SWW	123.6	58.8	9.2	46	148	0	3/20
Chukar	WC	118.2	59.0	9.6	47	148	5	3/20
OR2071628	SWW	112.3	58.5	8.9	40	145	0	5/20
WA 8136	SWW	111.7	56.7	7.8	39	151	0	0
ARS970163-4C	WC	108.5	57.2	8.6	43	149	5	1/10
WA 8135	SWW	107.9	60.4	8.9	49	150	0	3/20
Rod	SWW	107.4	57.9	9.4	42	149	10	3/80
WA 8116	SWW	107.2	54.9	9.3	41	150	0	8/60
ARS990077-1C	WC	106.7	57.5	9.2	46	149	60	3/20
NSA06-2153A	SWW	106.4	54.9	10.3	33	138	0	5/40
ARS970161-3L	SWW	106.2	60.1	9.4	40	148	0	0
ARS970161-2L	SWW	104.4	61.0	9.4	42	148	0	0
WA 8142	SWWI	103.6	58.5	9.3	44	146	0	3/40
ARS970277L reselect	SWW	97.3	58.5	9.2	42	149	10	5/40
IDO663	SWW	97.1	59.8	9.5	39	147	5	3/20
ARS010780-3C	WC	96.0	60.0	9.6	38	150	60	3/20
Bruehl	WC	95.6	55.1	11.0	44	150	95	0
WA 8151	SWW	94.3	56.7	8.2	42	148	0	5/40
WB-528	SWW	94.0	56.0	9.3	42	146	25	5/40
LWW-04-4009	SWW	93.8	60.5	8.2	41	151	90	0
WA 8152	SWW	92.6	55.3	9.4	47	147	0	5/40
OR2040726 (Mary)	SWW	92.4	53.7	10.6	42	146	5	8/60
ARS010762-2C	WC	90.6	58.4	10.4	47	148	20	3/10
Coda	WC	90.1	60.5	11.4	47	148	99	3/10
Masami	SWW	89.7	56.5	9.7	46	151	0	3/60
ARS960277L (Amber)	SWW	85.3	58.8	8.8	43	148	90	3/10
Goetze/Skiles	SWW	84.9	58.0	10.8	39	146	0	ls
WA 8134	SWW	84.6	55.9	8.8	45	148	0	5/30
Eltan/Tubbs 06	SWW	84.3	53.4	9.6	46	148	5	8/50
Stephens	SWW	79.2	56.8	10.5	42	147	75	3/20
WA 8154	SWW	78.9	56.5	9.5	44	148	75	8/60
WA 8143	SWWI	74.9	54.3	8.2	44	150	95	1/20
WA 8137	SWW	69.9	58.6	8.7	39	152	0	3/40
ORCF-103	SWWI	62.5	52.6	10.0	39	150	50	5/80
Tubbs 06	SWW	62.4	51.9	10.9	46	148	0	8/90
WA 8155	SWWI	61.2	53.9	10.7	45	151	99	3/20
Xerpha	SWW	58.2	49.5	11.7	39	148	0	5/80
ORCF-102	SWWI	57.4	51.7	11.5	45	147	0	8/60
ARS970075-3C	WC	55.3	55.5	10.5	40	148	0	5/90
Eltan	SWW	47.1	50.2	7.1	44	150	90	5/40
C.V.%		12.5	2.7					
LSD (.10)		20.1	2.4					
Average		99.2	57.1	9.5	43	148	24	
Highest		174.3	61.0	11.7	49	152	99	
Lowest		42.3	49.5	7.1	33	138	0	

All values within the 10% LSD range of the highest are shown in bold.

The SWW Nursery was seeded on 12 October, 2011. Seed was placed at 100#/ac seeding rate with a double disc plot drill set on 7-inch spacing.

No fertilizer was applied in the Fall. Spring soil test showed approximately 100 lbs/ac of N available.

Based on an expected yields an additional 60 lbs of N/ac was applied on 23 March and again on 26 April 2012.

There were high levels of lodging for many of the varieties in the trial due to their susceptibility to soil-borne diseases which resulted in greatly reduced grain yield and test weight. Also effecting grain quality and production was the high level of stripe rust infection in susceptible varieties. No fungicides were applied for stripe rust control.

The nursery was harvested on 14 August 2012, averaging 99.2 bu/ac.