

2012 WSU Variety Testing SW Spring Wheat Trial, Mayview

Variety Name <i>*Club Italicized</i>	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	2012		
				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)
WA 8124		42		44	62.4	10.6
Louise	51	46	52	44	60.6	10.3
Louise-G2			53	44	60.6	10.3
Louise-0W				43	60.6	9.8
Diva	51	46	50	41	61.6	9.7
Wakanz	51	46	48	40	59.6	10.5
<i>JD</i>	49	45	49	40	61.9	10.3
Whit	51	47	49	40	60.5	10.2
IDO599		40		39	62.0	9.8
WA 8161				39	61.8	10.2
<i>ARS03174CS</i>				37	61.4	11.1
<i>WA 8160</i>				37	60.8	11.1
IDO686			44	36	62.4	10.5
Alpowa	46	41	42	36	62.0	10.2
IDO671		39	43	35	61.1	10.1
IDO687			42	35	62.4	10.1
Zak	46	39	42	35	60.9	10.6
Alturas	47	40	43	35	60.8	9.8
WA 8162				34	61.5	10.6
WB-1035CL+			37	34	61.2	11.2
ARS03173LS				34	60.3	9.9
Nick	48	44	41	33	61.0	10.7
Babe	49	43	42	32	61.4	10.3
<i>WA 8131</i>			39	29	61.7	10.8
C.V. %	8	9	8	7	0.5	4.0
LSD (.10)	2	2	3	3	0.3	0.4
Average	49	43	45	37	61.3	10.4
Highest	51	47	53	44	62.4	11.2
Lowest	46	39	37	29	59.6	9.7

Mayview Soft White Spring Wheat – Preliminary Data

1. This summary includes duplicate soft white spring wheat trials except one was sprayed with fungicide and the other was not sprayed. Grain yield in these 2012 Mayview soft white spring wheat trials averaged 37 bushels/acre, 12 bushels/acre lower than the 5-year average in the fungicide sprayed trial, and the non-sprayed trial averaged 42 bushels/acre. The Mayview trial was located about 5 miles south of Lower Granite Dam on the Snake River, or 12 miles northeast of Pomeroy, WA (R. & R. Koller, cooperators).
2. The trials were seeded on 25 April, 2012 following winter wheat. Seed was placed at an 80#/acre seeding rate using a double-disk plot drill set on 6-inch spacing. Base fertilizer was 70#N/acre applied pre-plant. Spring seeding conditions were good and establishment was uniform. Tilt® fungicide at 4 oz/acre was applied 1 June and 11 July to the sprayed trial and stripe rust levels were low.
3. In the sprayed trial, yields ranged from 29 to 44 bu/acre, while in the non-sprayed trial, yields ranged from 32 to 51 bu/acre. Yield values within the LSD range of the highest yield are shown in bold and 5 of the 24 entries are in this group in both trials. 'Louise', Louise-G2, and Louise-0W were the highest yielding named varieties in the sprayed trial and they are: Louise with 2oz/100lbs seed of Gaucho® insecticide seed treatment, Louise at the standard seed treatment rate (0.75oz./100lbs. seed), and Louise-0W without insecticide. 'Diva', 'Wakanz' and Louise were the highest yielding over 5 years of results at this site. Louise-0W and Louise-G2 were the highest yielding named varieties in the non-sprayed trial. Yields in both trials and the difference in yield and percentage difference between sprayed and non-sprayed for each entry are in a separate comparison table. Yield advantage in the sprayed trial averaged a -5 bu/acre and ranged from -8 to 1 bu/acre.
4. Test weights averaged 61.3 lbs/bu and ranged from 59.6 to 62.4 lbs/bu in the sprayed trial, and averaged 61.4 lbs/bu and ranged from 59.8 to 62.8 lbs/bu in the non-sprayed trial. Grain protein averaged 10.4% with a range of 9.7 to 11.2% in the sprayed trial, and protein averaged 10.5% with a range of 9.9 to 11.4% in the non-sprayed trial. There was no lodging in either trial.