

2013 WSU Variety Testing Soft White Spring Wheat Trial Summary

Precipitation Zone 16-20"

Variety Name <i>(Club Italicized)</i>	Dayton	Mayview	Reardan	St. John	Walla Walla	Average	Dayton	Mayview	Reardan	St. John	Walla Walla	Average	Dayton	Mayview	Reardan	St. John	Walla Walla	Average
	Yield (Bu/A)						Test Wt (Lbs/Bu)						Protein (%)					
WA 8189	49	62	84	83	116	79	61.0	60.6	62.2	61.3	62.1	61.4	12.0	10.8	12.4	11.8	11.1	11.6
Louise-G2	53	59	84	75	119	78	59.6	60.1	59.8	59.8	61.6	60.2	12.3	10.8	12.2	11.7	11.3	11.7
Diva	54	58	84	78	114	77	61.0	60.3	60.4	61.0	61.6	60.9	12.6	10.2	12.1	11.9	11.8	11.7
Babe	48	61	86	69	122	77	60.7	61.6	61.3	61.0	62.1	61.3	12.4	11.0	11.8	12.3	10.5	11.6
Alpowa	51	59	83	77	115	77	60.6	61.3	60.0	61.1	62.1	61.0	12.1	11.0	12.5	12.4	11.3	11.9
Louise-0W	54	56	87	73	114	77	59.9	59.7	60.8	59.8	61.7	60.4	12.4	10.6	11.9	11.9	11.4	11.6
Louise	51	60	83	73	116	77	59.7	60.1	59.5	59.8	61.8	60.2	12.4	11.1	12.5	11.3	11.1	11.7
WA 8162	51	60	81	74	116	76	60.5	60.8	61.0	61.1	62.5	61.2	12.2	11.5	12.9	12.3	11.6	12.1
Whit	51	59	86	73	111	76	60.0	59.9	60.0	59.9	61.6	60.3	12.6	11.6	12.8	11.9	11.4	12.1
Nick	52	60	83	74	109	76	60.7	61.0	60.9	60.3	61.5	60.9	12.8	10.5	12.3	12.8	11.4	12.0
WA 8195	47	56	86	73	114	75	60.6	61.0	60.0	61.1	63.1	61.2	12.5	11.0	12.4	11.5	11.5	11.8
UI-Stone (IDO599)	49	54	85	67	119	75	61.9	60.3	60.6	60.9	62.3	61.2	12.4	10.3	12.2	12.1	11.0	11.6
WA 8193	55	56	84	71	110	75	61.1	60.4	62.6	60.9	61.9	61.4	12.4	10.6	11.4	11.4	11.5	11.5
WA 8194	51	58	79	76	108	74	59.6	59.6	58.6	60.0	61.2	59.8	13.7	11.2	13.2	12.0	11.8	12.4
Zak	47	59	75	76	111	74	59.5	59.1	59.1	59.6	60.8	59.6	13.6	11.1	13.7	12.3	11.6	12.5
IDO851	49	54	86	66	112	73	60.4	60.0	60.4	60.0	61.3	60.4	12.1	10.3	11.5	11.7	10.7	11.3
ARS03174CS-14	48	55	75	79	109	73	59.9	59.2	59.5	59.9	61.2	59.9	13.5	11.3	13.5	12.3	12.4	12.6
Wakanz	53	59	79	67	106	73	59.1	59.2	58.7	58.5	60.3	59.2	13.0	11.0	12.7	12.4	11.7	12.2
JD	50	54	81	67	110	72	61.5	61.3	62.0	61.5	63.0	61.9	12.3	11.6	12.6	12.4	12.0	12.2
IDO854	50	53	77	68	113	72	61.1	60.7	60.0	60.6	61.9	60.9	13.2	10.9	12.2	12.1	11.8	12.1
WB-1035CL+	47	56	79	68	106	71	61.1	60.6	60.5	60.5	62.4	61.0	13.8	11.9	13.5	12.7	12.8	13.0
Alturas	49	52	77	62	113	70	60.4	59.6	59.8	59.8	61.3	60.2	12.2	11.1	12.0	11.3	11.1	11.5
IDO852	46	52	78	64	111	70	61.8	61.0	61.2	61.0	62.4	61.5	12.8	10.7	12.5	12.1	11.1	11.9
WA 8196	45	56	78	63	104	69	59.5	59.6	58.9	59.3	61.0	59.7	12.8	10.2	12.9	12.2	11.5	11.9
C.V. %	5	5	5	5	4	5	0.4	0.6	1.6	0.7	0.5	0.9	2.5	5.0	3.4	5.1	2.2	3.8
LSD (0.10)	3	3	4	4	4	2	0.2	0.4	1.0	0.5	0.4	0.3	0.3	0.6	0.5	0.6	0.3	0.2
Average	50	57	82	72	112	74	60.5	60.3	60.3	60.4	61.8	60.6	12.7	10.9	12.5	12.0	11.5	11.9
Highest	55	62	87	83	122	79	61.9	61.6	62.6	61.5	63.1	61.9	13.8	11.9	13.7	12.8	12.8	13.0
Lowest	45	52	75	62	104	69	59.1	59.1	58.6	58.5	60.3	59.2	12.0	10.2	11.4	11.3	10.5	11.3

2013 WSU Soft White Spring Wheat Trial Summary Precipitation Zone 16-20" – Preliminary Data

1. Soft white spring wheat grain yield across five locations and 24 entries in the 16-20" precipitation zone averaged 74 bushels/acre and is 14 bushels/acre higher than the 2012 average of 60 bushels/acre. The CV for the average data is 5, lower than the 2012 CV.
2. Yields among entries averaged across locations ranged narrowly from 69 to 79 bushels/acre. 'Louise-G2' was the highest yielding named entry averaged across locations. Louise-G2 is Louise with 2oz/100lbs seed of Gaucho® insecticide seed treatment targeting wireworms, Louise is the standard seed treatment rate (0.75oz./100lbs. seed) and Louise-0W has no insecticide seed treatment. There were no significant differences among the Louise insecticide treatments. Average yield values within the 10% LSD range (2 bushels/acre) of the highest yield are shown in bold and this included 7 of the 24 entries. Stripe rust was not a factor in these trials.
3. Test weight averaged 60.6 lbs/bu across locations and entries and was higher than last year's 60.3 lbs/bu average. Grain protein averaged 11.9% and was higher than last year's 11.4% protein value.