

## 2022 WSU Variety Testing Fall Planted Hard Red Spring Wheat Trial, Mattawa

Variety Name	2022							2 Year	3 Year	5 Year
	Yield (Bu/A)	Test WT (Lbs/Bu)	Protein (%)	Plant HT (In)	Head Date	Lodge (%)	Cold Dam. Rating	Average (Bu/A)	Average (Bu/A)	Average (Bu/A)
<i>Hard White Italicized</i>										
<b>Released Varieties</b>										
SY Gunsight	174	63.3	12.5	38	142	0	1	165		
WB4303 (HRW Check)	153	64.1	13.6	40	138	27	1	155		
AP Venom	153	63.2	14.0	39	135	0	3	158		
Dayn	152	64.9	13.9	39	134	0	4	153		
WB9662	142	64.2	15.3	38	137	0	3	141		
Jefferson HF	140	64.5	13.9	40	138	50	5			
AP Renegade	139	64.3	15.6	37	138	0	3	145		
WB9668	124	64.2	15.9	35	139	0	7	130		
Kelse	124	63.7	15.6	42	140	3	4	136		
<b>Experimental Lines</b>										
WA8373	167	65.8	13.8	41	135	0	2			
WA8376	152	65.3	14.2	35	135	0	3			
WA8342	145	65.0	14.3	37	137	0	4	146		
WA8372	144	65.5	14.9	35	136	0	4			
WA8359	139	64.3	13.9	38	139	0	6			
IDO2105S	135	65.1	14.0	37	139	0	6			
WA8374	135	64.5	15.1	35	137	7	4			
WA8375	125	64.0	15.0	34	139	0	7			
WA8356	119	63.9	14.5	39	140	0	7			
C.V. %	6	0.6	2	3	1	139	12	5		
LSD (0.05)	18	0.8	0.5	3	2	15	1	10		
Average	142	64.4	14.4	38	138	5	4	148		
Highest	174	65.8	15.9	42	142	50	7	165		
Lowest	119	63.2	12.5	34	134	0	1	130		

### Agronomic Information

Planting Date:	10/12/2021
Harvest Date:	8/2/2022
Seeding Rate (seeds/ft <sup>2</sup> ):	23.75
Previous Crop:	Potatoes
Spring soil test:	
N (lb/ac) 4-ft sample	619
P (ppm-bicarb) 2-ft sample	309
S (lb/ac) 2-ft sample	254
pH (top 6 inches)	6.7

### Trial Notes:

1. The nursery was located approximately 9 miles southeast of Mattawa, Wa.
2. The nursery was fertilized prior to seeding at a rate of 75N, 50P, 100K, and 40S by the cooperator. An additional 105N was applied via fertigation.
3. Overall yield was 5% less and test weight was 1.4 lb/bu more than 2021.
4. Cold damage ratings were taken on 02/14/22 following earlier cold snap. (1=no damage; 9=dead)

**Cooperator: Mike Anderson**

**Herbicides:** Weedar (1.5pt), Clarity (6.5oz), Tilt (4oz), Inplace (4oz) and Rainer-EA were applied by the cooperator on March 28.