

2023 WSU Variety Testing Fall Planted Hard Red Spring Wheat Trial, Moses Lake

Variety Name	2023						2 Year	3 Year	4 Year
	Yield (Bu/A)	Test WT (Lbs/Bu)	Protein (%)	Plant HT (In)	Head Date	Stand Rating	Average (Bu/A)	Average (Bu/A)	Average (Bu/A)
<b>Released Varieties</b>									
LCS Jet (HRW Check)	143	61.3	12.2	32	147	3			
AP Venom	129	62.3	13.6	30	142	4	141	141	
SY Gunsight	114	63.6	13.6	34	144	7	135	134	
WB9636	107	63.0	15.5	33	141	3			
WB9662	101	63.1	15.9	30	141	3	117	120	
WB9668	98	63.9	16.1	31	143	6	109	111	
<b>Experimental Lines</b>									
WA8393	140	64.5	12.7	31	141	2			
WA8402	136	64.1	13.3	31	143	4			
WA8406	129	63.4	14.1	29	143	4			
WA8374	126	63.9	13.8	29	142	4	136		
WA8375	126	63.5	13.6	27	141	4	131		
WA8407	125	65.0	15.0	34	143	4			
WA8342R	123	63.6	13.6	29	141	4	131	129	
APB500709	114	63.2	14.6	31	140	4			
APB503485	114	63.1	14.6	31	140	4			
HSG 173	106	62.1	15.9	34	140	3			
HSG 178	98	62.8	15.6	30	141	2			
APB573085	92	61.4	16.2	33	140	5			
C.V.	4	0.5	1.6	8	1	31	6	7	
LSD	7	0.4	0.3	NS	1	2	8	7	
Average	118	63.2	14.4	31	142	4	129	127	
Highest	143	65.0	16.2	34	147	7	141	141	
Lowest	92	61.3	12.2	29	140	2	109	111	

**Agronomic Information**

Planting Date:	10/26/2022
Harvest Date:	8/1/2023
Seeding Rate (seeds/ac):	1,050,000
Previous Crop:	Potatoes
Spring soil test:	
N (lb/ac) 4-ft sample	456
P <sub>2</sub> O <sub>5</sub> (lb/ac) 1-ft sample	267
S (lb/ac) 2-ft sample	500
pH (top 6 inches)	6.4

**Trial Notes:**

1. The nursery was located approximately 12 miles east of Moses Lake, WA.
2. The nursery was fertilized prior to planting by the cooperator at a rate of 100N, 120K. An additional 85N, 14S was applied via fertigation.
3. Yield was 12% lower and test weight was 3.6 lb/bu greater compared to 2022. Early fall cold snap delayed emergence until early spring and reduced stands of some varieties.

**Cooperator:** Dennis Treat

**Herbicides:** Huskie (15oz), Miravis Ace (7oz), and Tilt (2oz) were applied on May 8, 2023.