

**WSU Bread Lab Spring Barley  
2018 Mount Vernon**

<b>Variety (Hulless italicized)</b>	<b>Yield (Lbs/A)</b>	<b>Yield (Ton/A)</b>	<b>Test WT (Lbs/Bu)</b>	<b>Protein (%)</b>	<b>Plant HT (In)</b>	<b>Lodge %</b>
<b><i>Released Varieties</i></b>						
LCS Odyssey	<b>8871.7**</b>	4.4	<b>48.3*</b>	9.9	29	0
LCS Sienna	<b>8812.8*</b>	4.4	<b>50.5*</b>	9.5	34	8
LCS Opera	<b>8074.0*</b>	4.0	47.4	9.5	30	0
Altorado	<b>7586.8*</b>	3.8	<b>50.2*</b>	10.8	33	0
Claymore	<b>7571.1*</b>	3.8	47.4	10.5	37	0
Lenetah	<b>7558.2*</b>	3.8	<b>49.2*</b>	9.8	35	0
Survivor	<b>7521.6*</b>	3.8	<b>50.4*</b>	8.7	35	27
LCS Genie	<b>7332.6*</b>	3.7	<b>48.6*</b>	10.8	31	8
BZ512-319	<b>7255.9*</b>	3.6	<b>47.6*</b>	11.1	34	0
LCS Vespa	<b>7275.8*</b>	3.6	46.0	11.7	29	0
<i>Meg's Song (X05013-T1)</i>	7012.4	3.5	<b>51.5*</b>	<b>13.2*</b>	36	0
Oreana	6983.1	3.5	46.7	10.2	32	0
Island	6977.7	3.5	<b>52.0*</b>	10.1	35	17
Richard	6956.2	3.5	<b>47.6*</b>	9.0	29	0
Muir	6948.7	3.5	<b>49.1*</b>	9.0	35	27
Champion	6157.5	3.1	<b>48.7*</b>	9.9	34	27
CDC Copeland	5555.6	2.8	45.4	11.5	32	33
Lyon	4736.0	2.4	46.2	11.5	32	60
<i>Havener</i>	3234.9	1.6	41.8	<b>14.7**</b>	35	27
<b><i>Experimental Breeding Lines</i></b>						
12WA-120.23	<b>7743.8*</b>	3.9	<b>49.2*</b>	9.4	35	0
11WA-107.58	<b>7673.0*</b>	3.8	<b>52.2**</b>	9.4	33	0
13WA-135.26	<b>7406.0*</b>	3.7	<b>52.0*</b>	9.1	30	0
13WA-101.2	<b>7317.4*</b>	3.7	<b>49.8*</b>	9.0	34	8
11WA-107.36	7026.2	3.5	<b>49.3*</b>	9.5	34	22
11WA-107.43	6292.2	3.1	<b>49.9*</b>	10.1	33	0
12WA-120.14	6185.7	3.1	<b>49.4*</b>	10.4	36	35
13WA-135.3	5488.6	2.7	<b>48.1*</b>	11.5	36	68
13WA-149.2	5249.5	2.6	<b>46.2</b>	11.1	33	32
<b>C.V. %</b>	14.5		5.9	10.6		
<b>LSD (0.05)</b>	1628.6		4.8	1.8		
<b>Average</b>	6885.9	3.4	48.6	10.4		
<b>Highest</b>	8871.7	4.4	52.2	14.7		
<b>Lowest</b>	3234.9	1.6	41.8	8.7		

\*\* = indicates highest value within a column

\* = indicates value equal to highest value within a column based on Fisher's protected LSD (p=0.05)

**Agronomic Information**

Planting Date:	4/24/2018
Harvest Dae:	8/15/2018
Seeding Rate:	~120 lbs/ac
Previous Crop:	fallow/cover crop

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Spring soil test:1-ft sample

N (lb/ac)	20
P (ppm)	86
S (ppm)	4
pH	6.5

Herbicides:

Diuron pre-emerge on 04/25/18

Maestro 2EC, Harmony Extra SG on 05/21/18

Fertilizer applied:

(lbs/ac) 100N 10K 8S

**Trial Notes**

1. The Mount Vernon nursery was located on the WSU-Mount Vernon NWREC research field.
2. The nusey was seeded with a double disc drill on 6 inch spacing.
3. No fungicides were applied for control of stripe rust or other fungal diseases.

- R = resistant, MR = moderately resistant, MS = moderately susceptible, S = susceptible

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Questions? Contact Steve Lyon (slyon@wsu.edu) 360-707-4640.

For additional variety testing results visit:

<http://thebreadlab.wsu.edu/western-washington-variety-trials/>.