

Western Washington Uniform Barley Trial

WSU Mount Vernon Conventional			2013								
Variety Name	3 Year Average (Lbs/acre) 2010, 2012, 2013	2 Year Average (Lbs/acre)	2013 Yield (Lbs/acre)	Test Weight (Lbs/Bu)	Protein (%)	Days to Heading (Julian)	Lodging (%)	Leaf Rust (%)	Stripe Rust (%)	Mildew (%)	Height (in)
2004NZ151	6975	6763	<b>6150</b>	<b>44.3</b>	11.9	164	0	10	15	0	31
Lyon (05WA-316.K)		5540	5190	<b>45.0</b>	13.6	162	0	22	5	17	30
Baronesse	5671	5707	5181	<b>46.7</b>	12.8	163	0	32	5	12	28
2004NZ163	6092	5837	5126	<b>45.3</b>	12.7	164	0	33	0	20	40
Full Pint (BCD47)	5601	4901	5078	<b>44.0</b>	14.6	161	0	0	0	53	26
Bob	5708	5362	5074	<b>48.3</b>	10.5	162	0	28	0	17	26
2004NZ170		6012	5069	<b>45.0</b>	12.5	163	0	47	0	12	36
Newdale		5484	4969	<b>44.7</b>	12.7	163	0	47	12	15	31
Muir (07WA-601.6)		5340	4707	<b>47.0</b>	11.6	162	2	18	0	12	26
AC Metcalfe	5219		4637	<b>45.7</b>	11.8	162	0	57	0	13	29
Champion	5186	4979	4584	<b>45.3</b>	12.9	162	0	57	17	13	36
Camas		4255	4582	<b>43.7</b>	12.1	162	0	80	12	15	31
CDC Copeland	4945	4717	4547	43.3	13.2	165	20	62	20	15	30
Bentley	4706	4658	4470	41.7	12.6	163	0	43	43	18	29
CDC Meredith	5265	5498	4421	41.7	13.0	163	27	53	17	18	33
Hockett		4121	4130	<b>45.0</b>	12.3	161	7	83	15	23	30
Harrington	4863	4694	3606	41.7	13.4	161	0	80	0	10	27
2004NZ223			2927	42.0	13.6	165	0	87	0	0	34
Meresse	3622	3333	2409	<b>45.0</b>	<b>16.6</b>	160	0	90	0	10	26
Oscar		2333	2093	41.0	15.4	159	30	92	0	7	32
CV %			15	8.1	6.4						
LSD (0.10)			922	5.0	1.1						
Average	5321	4974	4447	44.3	13.0	162	4	51	8	15	31
Highest	6975	6763	6150	48.3	16.6	165	30	92	43	53	40
Lowest	3622	2333	2409	41.0	10.5	159	0	0	0	0	26

Planted: 4/2/13  
Harvest: 8/20/13

WSU Mount Vernon Organic		2013								
Variety Name	2 Year Average (Lbs/acre)	2013 Yield (Lbs/acre)	Test Weight (Lbs/Bu)	Protein (%)	Days to Heading (Julian)	Lodging (%)	Leaf Rust (%)	Stripe Rust (%)	Mildew (%)	Height (in)
Newdale	5096	<b>4811</b>	45.2	12.4	161	0	50	23	28	34
2004NZ151	4977	<b>4517</b>	45.6	12.4	<b>165</b>	0	20	10	0	27
Baronesse	5049	<b>4496</b>	47.2	12.1	162	0	37	13	20	31
Bob	4855	<b>4355</b>	46.1	12.4	162	33	32	10	32	32
Camas	4591	4286	44.3	12.2	160	0	70	0	20	32
2004NZ170	4932	4057	44.4	13.1	<b>165</b>	0	43	0	13	23
Lyon (05WA-316.K)	4802	3934	44.0	13.6	161	3	27	20	37	31
Muir (07WA-601.6)	4954	3922	43.5	13.7	163	37	23	2	18	32
CDC Copeland	4446	3800	42.2	13.4	<b>164</b>	27	78	5	18	38
AC Metcalfe		3750	42.4	13.7	161	3	72	0	17	35
Hockett	3851	3708	43.1	12.3	159	0	83	0	27	31
2004NZ163	4351	3425	42.7	13.7	<b>165</b>	0	58	8	22	24
CDC Meredith	4375	3415	40.3	14.1	162	23	70	17	25	32
Full Pint (BCD47)	4077	3383	43.5	14.4	163	0	0	0	50	24
Bentley	3394	2987	40.4	13.4	163	0	53	25	18	35
Harrington	3778	2941	38.0	14.9	161	8	88	8	7	34
2004NZ223		2399	39.2	15.0	<b>165</b>	0	90	0	7	27
Merese	3014	2328	<b>49.9</b>	15.4	159	0	73	17	27	28
Oscar	2003	1983	<b>48.8</b>	14.9	158	0	90	0	15	36
Purple Prairie		1450	<b>49.7</b>	<b>19.4</b>	155	0	98	0	13	28
CV %		9	3.6	5.7	1					
LSD (0.10)		475.3	2.2	1.1	2					
Average	4267	3497	44.0	13.8	162	7	58	8	21	31
Highest	5096	4811	49.9	19.4	165	37	98	23	50	38
Lowest	2003	1450	38.0	12.1	155	0	0	0	0	23

Planted: 4/2/13  
Harvest: 8/20/13

Island County Conventional					
Variety Name	3 Year Average (Lbs/acre)	2 Year Average (Lbs/acre)	2013 Yield (Lbs/acre)	Test Weight (Lbs/Bu)	Protein (%)
2004NZ151	6897	7302	<b>7182</b>	48.0	10.7
2004NZ170			<b>7090</b>	49.2	11.4
AC Metcalfe	6478	6696	6221	49.2	10.6
Bob	5979	6124	6096	50.9	10.5
Full Pint (BCD47)	4978	5420	6083	47.7	12.0
Baronesse	6146	6162	6047	50.1	11.8
Muir (07WA-601.6)			5920	49.7	11.8
Newdale			5839	48.2	11.1
2004NZ163	6297	6491	5807	49.6	10.9
2004NZ223			5481	49.5	10.8
Lyon (05WA-316.K)			5402	47.9	11.9
CDC Meredith			5349	45.1	11.4
Hockett		5440	5340	48.4	11.3
Champion	5981	6064	5302	50.3	11.6
Harrington	4923		5121	46.5	11.6
Bentley			4568	46.1	11.1
CDC Copeland	4540	4909	4519	46.7	12.2
Meresse			4141	<b>56.5</b>	<b>13.8</b>
Oscar		2650	2795	<b>55.9</b>	<b>14.1</b>
Purple Prairie			833	.	.
CV %			11	1.1	3.1
LSD (0.10)			832	0.8	0.5
Average	5802	5726	5257	49.2	11.6
Highest	6697	7205	7182	56.5	14.1
Lowest	4365	2580	833	45.1	10.5

Planted: 4/24/13  
Harvest: 9/4/13

For additional information, contact Steve Lyon (slyon@wsu.edu).  
For additional variety testing results visit: <http://plantbreeding.wsu.edu>

Whatcom County Conventional						
Variety Name	2 Year Average (Lbs/acre)	2013 Yield (Lbs/acre)	Test Weight (Lbs/Bu)	Protein (%)	Lodging (%)	Mildew (%)
2004NZ151	5972	<b>6434</b>	50.0	9.4	23	0
2004NZ170		<b>6409</b>	49.0	10.9	23	13
2004NZ163	6400	<b>5836</b>	49.3	9.8	0	13
Bob	5335	<b>5717</b>	51.0	9.9	47	23
Full Pint (BCD47)	5232	5427	49.0	10.6	7	23
Muir (07WA-601.6)		5405	49.3	10.3	45	12
CDC Copeland	4853	5349	48.3	10.4	5	18
CDC Meredith		5151	46.3	10.8	33	15
Harrington		4995	46.7	11.2	45	5
Newdale		4896	48.0	11.3	37	18
Baronesse	4628	4840	49.7	11.1	28	10
Bentley		4827	47.0	10.6	27	23
AC Metcalfe		4817	48.3	11.1	42	20
Camas	3989	4732	47.0	12.1	53	27
Lyon (05WA-316.K)		4704	47.3	11.6	52	20
Meresse		4593	<b>58.3</b>	14.5	0	17
2004NZ223		4107	45.7	10.3	10	5
Hockett	3121	3109	43.7	13.7	98	28
Oscar	2326	2533	51.3	14.6	32	5
Purple Prairie		1594	<b>58.3</b>	<b>18.2</b>	50	5
CV %		15	3.6	12.1		
LSD (0.10)		967	2.4	1.9		
Average	4651	4774	49.2	11.6	33	15
Highest	6400	6434	58.3	18.2	98	28
Lowest	2326	1594	43.7	9.4	0	0

Planted: 4/23/13  
Harvested: 8/18/13