
Spring Barley

Table 17. Spring barley variety performance results at Greencreek, 2005.

Variety or Selection	Seed Yield	Test Weight	Plant Height	Lodging	Plumps >6/64	Thins <5.5/64
	bu/acre	lb/bu	inches	%	%	%
<u>2 Row Barley</u>						
Baronesse	64	51.6	32	0	49	17
Bear	54	55.8	38	0	23	34
Bob	66	53.2	34	0	73	6
Boulder	69	54.5	33	0	75	6
Burton	61	52.8	32	0	73	5
Camas	71	54.3	35	0	70	8
Conrad	69	51.3	33	0	77	5
Criton	69	52.7	36	0	90	2
Harrington	61	51.4	35	0	53	13
Merit	60	48.9	33	0	63	11
AC Metcalfe	64	51.1	34	1	71	7
CDC Stratus	68	52.7	35	0	75	5
Radiant	70	51.2	34	0	31	25
Valier	66	53.4	34	0	55	9
Xena	75	52.3	35	0	38	16
Ceb 0149	60	50.3	29	0	61	10
WA 10701-99	66	52.1	35	0	69	7
Average	65	52.3	34	0	62	11
<u>6 Row Barley</u>						
Colter	60	49.3	37	0	53	15
Creel	66	48.2	39	6	39	20
Excel	67	49.4	41	17	48	15
Legacy	66	49.6	41	10	41	17
Morex	61	50.3	44	22	55	10
Steptoe	71	48.7	39	9	76	6
Tradition	66	51.4	40	3	63	7
94Ab13449	62	51.7	36	0	71	6
Average	65	49.8	40	8	56	12
Overall Average	65	51.5	36	3	60	11
LSD (0.10)	4	0.8	2	3	9	5
CV (%)	5	1.4	4	87	13	38

Table 18. Spring barley variety performance results at Genesee direct seeded, 2005.

Variety or Selection	Seed Yield	Test Weight	Plant Height	Lodging	Plumps >6/64	Thins <5.5/64
	bu/acre	lb/bu	inches	%	%	%
<u>2 Row Barley</u>						
Baronesse	74	51.3	34	4	55	15
Bear	55	57.1	38	12	22	37
Bob	62	53.1	37	12	69	11
Boulder	71	55.2	35	3	82	5
Burton	67	52.5	35	7	69	9
Camas	57	55.3	36	3	80	7
Conrad	70	52.0	36	0	73	8
Criton	66	52.6	37	16	81	6
Harrington	64	52.3	39	11	50	16
Merit	60	49.6	37	0	58	18
AC Metcalfe	59	53.1	37	10	75	9
CDC Stratus	64	53.5	38	4	76	7
Radiant	75	50.9	37	5	34	30
Valier	63	53.3	37	2	65	11
Xena	77	52.9	35	2	60	12
Ceb 0149	58	49.5	29	0	52	18
WA 10701-99	61	52.6	36	7	68	10
Average	65	52.8	36	6	63	13
<u>6 Row Barley</u>						
Colter	56	49.0	40	20	37	29
Creel	57	48.9	39	28	31	32
Excel	51	50.7	41	34	44	23
Legacy	51	51.0	41	24	49	19
Morex	44	51.3	45	40	54	16
Steptoe	62	49.4	40	42	74	9
Tradition	58	52.9	41	30	60	12
94Ab13449	41	52.4	37	10	59	14
Average	53	50.7	41	29	51	19
Overall Average	61	52.1	38	13	59	15
LSD (0.10)	10	0.9	2	9	8	5
CV (%)	13	1.5	4	58	11	25

Table 19. Spring barley variety performance results at Moscow no-till, 2005.

Variety or Selection	Seed Yield	Test Weight	Plant Height	Lodging	Plumps >6/64	Thins <5.5/64
	bu/acre	lb/bu	inches	%	%	%
<u>2 Row Barley</u>						
Baronesse	98	54.8	32	0	92	2
Bear	73	60.5	36	0	45	10
Bob	86	55.8	34	0	95	1
Boulder	75	56.4	31	0	96	1
Burton	75	55.2	33	0	95	1
Camas	84	56.4	33	0	95	1
Conrad	88	54.4	33	0	96	1
Criton	77	54.1	34	0	97	1
Harrington	76	54.5	37	0	82	3
Merit	84	53.2	35	0	87	3
AC Metcalfe	80	54.1	36	0	92	2
CDC Stratus	78	54.7	33	0	94	1
Radiant	89	55.0	31	0	83	3
Valier	78	54.8	34	0	89	2
Xena	88	55.5	33	0	87	2
Ceb 0149	75	54.2	29	0	91	2
WA 10701-99	80	54.4	32	0	94	1
Average	81	55.2	33	0	89	2
<u>6 Row Barley</u>						
Colter	77	52.0	34	0	72	7
Creel	87	52.4	35	0	73	5
Excel	86	52.5	37	0	79	3
Legacy	86	53.1	40	0	74	4
Morex	70	52.7	45	20	81	3
Step toe	83	50.8	35	0	92	2
Tradition	77	53.5	39	0	89	1
94Ab13449	79	53.8	33	0	91	2
Average	81	52.6	37	3	81	3
Overall Average	81	54.4	35	1	86	3
LSD (0.10)	9	0.4	2	1	3	1
CV (%)	9	0.6	4	140	3	30

Table 20. Spring barley variety performance results at Bonners Ferry, 2005.

Variety or Selection	Seed Yield	Test Weight	Plant Height	Lodging	Plumps >6/64	Thins <5.5/64
	bu/acre	lb/bu	inches	%	%	%
<u>2 Row Barley</u>						
Baronesse	77	51.0	27	48	85	4
Bear	55	51.9	29	72	36	22
Bob	60	51.8	27	75	83	4
Boulder	96	52.3	28	55	91	3
Burton	75	50.7	30	45	76	5
Camas	64	50.6	27	71	67	11
Conrad	83	52.1	31	40	89	3
Criton	70	48.8	26	83	83	6
Harrington	65	49.5	28	71	65	11
Merit	79	50.5	34	42	84	5
AC Metcalfe	77	52.0	30	51	90	3
CDC Stratus	81	52.3	31	37	90	2
Radiant	74	50.3	26	72	69	9
Valier	92	52.0	30	37	83	4
Xena	86	51.2	31	51	82	5
Ceb 0149	92	52.2	28	36	91	3
WA 10701-99	63	47.9	28	73	59	12
Average	76	51.0	29	56	78	7
<u>6 Row Barley</u>						
Colter	80	46.5	32	41	52	19
Creel	86	47.3	32	44	56	12
Excel	59	48.7	31	70	57	14
Legacy	59	48.5	28	75	56	17
Morex	61	47.7	31	79	58	14
Step toe	92	47.7	33	55	87	3
Tradition	86	50.5	36	39	81	4
94Ab13449	96	51.4	34	20	85	3
Average	77	48.5	32	53	67	11
Overall Average	76	50.2	30	55	74	8
LSD (0.10)	12	0.9	4	16	8	4
CV (%)	13	1.4	10	25	9	42

Table 21. Combined spring barley performance data for Greencreek, Genesee, Moscow and Bonners Ferry, 2005.

Variety or Selection	Seed Yield					-----Average of 4 Sites-----				
	Greenckr.	Genesee	Moscow	B. Ferry	Average	Test Weight	Plant Height	Lodging	Plumps >6/64	Thins <5.5/64
	-----bu/acre-----					lb/bu	inches	%	%	%
<u>2 Row Barley</u>										
Baronesse	64	74	98	77	78	52.2	31	13	70	10
Bear	54	55	73	55	59	56.3	35	21	32	26
Bob	66	62	86	60	69	53.5	33	22	80	6
Boulder	69	71	75	96	78	54.6	32	15	86	4
Burton	61	67	75	75	70	52.8	33	13	78	5
Camas	71	57	84	64	69	54.2	33	19	78	7
Conrad	69	70	88	83	78	52.5	33	10	84	4
Criton	69	66	77	70	71	52.1	33	25	88	4
Harrington	61	64	76	65	67	51.9	35	21	63	11
Merit	60	60	84	79	71	50.6	35	11	73	9
AC Metcalfe	64	59	80	77	70	52.6	34	16	82	5
CDC Stratus	68	64	78	81	73	53.3	34	10	84	4
Radiant	70	75	89	74	77	51.9	32	19	54	17
Valier	66	63	78	92	75	53.4	34	10	73	7
Xena	75	77	88	86	82	53.0	34	13	67	9
Ceb 0149	60	58	75	92	71	51.6	29	9	74	8
WA 10701-99	66	61	80	63	68	51.8	33	20	73	8
Average	65	65	81	76	72	52.8	33	16	73	8
<u>6 Row Barley</u>										
Colter	60	56	77	80	68	49.2	36	15	54	18
Creel	66	57	87	86	74	49.2	36	20	50	17
Excel	67	51	86	59	66	50.3	38	30	57	14
Legacy	66	51	86	59	66	50.6	38	27	55	14
Morex	61	44	70	61	59	50.5	41	40	62	11
Steptoe	71	62	83	92	77	49.2	37	27	82	5
Tradition	66	58	77	86	72	52.1	39	18	73	6
94Ab13449	62	41	79	96	70	52.3	35	8	77	6
Average	65	53	81	77	69	50.4	37	23	64	11
Overall Average	65	61	81	76	71	52.1	34	18	70	9
LSD (0.10)	4	10	9	12	4	0.4	1	4	4	2
CV (%)	5	13	9	13	--	--	--	--	--	--

Table 22. Grain yield averages for spring barley varieties tested for three years in northern Idaho.

Variety or Selection	2003	2004	2005	Average
-----bu/acre-----				
<u>2 Row Barley</u>				
Baronesse	76	105	78	86
Bear	62	86	60	69
Bob	71	95	69	78
Camas	78	103	69	83
Criton	75	100	71	82
Harrington	70	87	66	74
Merit	70	99	71	80
AC Metcalfe	69	93	70	77
CDC Stratus	69	90	73	77
Valier	72	96	75	81
Xena	83	112	82	92
CEB 0149	68	105	71	81
Average	72	98	71	80
<u>6 Row Barley</u>				
Colter	66	111	68	82
Creel	71	111	74	85
Excel	74	99	66	80
Legacy	73	99	66	79
Morex	71	79	59	70
Steptoe	75	106	77	86
Tradition	76	95	72	81
Average	72	100	69	80
Overall Average	72	98	71	80
LSD (0.10)	4	8	4	--

Table 23. Spring hulless barley variety performance results near Genesee, 2005.

Variety or Selection	Seed	Test Weight	Plant Height	Lodging
	Yield			
	bu/acre	lb/bu	inches	%
Baronesse	77	50.0	33	0
Camas	78	53.5	35	0
Bear	63	54.6	38	0
Harrington	69	48.1	37	0
Meresse	69	60.6	33	0
AC Metcalfe	73	49.7	37	0
CDC Fibar	56	54.7	40	14
CDC Alamo	61	58.1	36	0
00AH6155	66	57.4	33	0
01AH2812	61	60.1	35	0
01ID435H	61	56.8	37	0
99Ab38-5	60	56.7	37	0
99Ab38-6	59	56.0	37	0
BZ598-095	74	50.7	36	0
Yu 501-039	67	55.0	36	0
03AH3052	61	58.7	38	0
03AH3058	62	58.2	38	0
03AH5618	65	56.3	38	0
02AH684	61	57.0	36	0
00ID1550	68	45.1	36	0
Creel	70	44.7	35	0
Excel	75	46.4	39	10
Tradition	79	50.2	40	0
Yu 599-006	61	45.3	26	0
96M5288	63	52.1	36	0
Overall Average	66	53.4	36	1
LSD (0.10)	4	1.6	2	3
CV (%)	5	2.5	4	305