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Spring Barley

Table 15. Spring barley variety performance results at Craigmont, 2008.

Variety or Selection	Seed Yield bu/acre	Test Weight lb/bu	Plant Height inches	Plumps >6/64 %	Thins <5.5/64 %
<u>2 Row Barley</u>					
Baronesse	39	47.1	27	53	17
Bear (hulless)	29	52.0	28	10	70
Camas	37	46.5	28	23	45
Champion	50	46.7	31	32	37
Conrad	39	47.3	26	30	36
Harrington	26	48.6	26	30	37
Lenetah	53	47.6	28	47	23
Merit	26	48.9	24	47	20
AC Metcalfe	34	47.8	27	45	22
Salute	33	45.6	27	45	19
Spaulding	35	48.1	28	24	46
Tetonia	28	48.6	26	42	22
01AH2812	34	51.1	27	28	39
Radiant	29	47.2	25	36	23
2 Row Average	35	48.1	27	35	33
<u>6 Row Barley</u>					
Steptoe	34	42.6	29	30	31
Tradition	31	43.6	28	30	40
6 Row Average	32	43.1	28	30	36
Overall Average	35	47.5	27	35	33
LSD (0.10)	7	2.4	1	12	11
CV (%)	18	4.2	4	29	27

Table 16. Spring barley variety performance results at Genesee, direct seeded, 2008.

Variety or Selection	Seed Yield bu/acre	Test Weight lb/bu	Plant Height inches	Plumps >6/64 %	Thins <5.5/64 %
<u>2 Row Barley</u>					
Baronesse	76	51.4	25	95	1
Bear (hulless)	67	55.5	27	41	11
Camas	64	51.3	26	93	1
Champion	85	52.0	27	96	1
Conrad	69	50.0	27	93	2
Harrington	60	50.5	26	88	3
Lenetah	72	50.9	26	97	1
Merit	66	49.4	25	92	2
AC Metcalfe	64	50.8	28	95	1
Salute	62	50.5	26	97	1
Spaulding	68	52.3	26	94	1
Tetonia	72	50.7	25	92	2
01AH2812	64	57.1	26	84	3
Radiant	70	50.5	26	89	3
2 Row Average	68	51.6	26	89	2
<u>6 Row Barley</u>					
Step toe	51	47.7	26	96	1
Tradition	59	49.5	30	94	1
6 Row Average	55	48.6	28	95	1
Overall Average	67	51.2	26	90	2
LSD (0.10)	11	0.5	2	2	1
CV (%)	14	0.8	5	2	43

Table 17. Spring barley variety performance results at Moscow, direct seed, 2008.

Variety or Selection	Seed Yield bu/acre	Test Weight lb/bu	Plant Height inches	Plumps >6/64 %	Thins <5.5/64 %
<u>2 Row Barley</u>					
Baronesse	93	47.4	27	95	1
Bear (hulless)	88	48.9	29	47	15
Camas	85	47.5	27	96	1
Champion	94	47.9	28	95	1
Conrad	85	45.7	26	94	1
Harrington	72	46.0	27	87	3
Lenetah	91	47.4	28	97	0
AC Metcalfe	87	44.7	29	92	2
Salute	83	46.1	27	97	1
Spaulding	90	49.9	28	96	1
Tetonia	94	47.7	26	92	2
Radiant	91	46.6	27	88	3
M69	87	44.8	24	97	1
C83	86	45.3	23	99	0
2 Row Average	88	46.8	27	91	2
<u>6 Row Barley</u>					
Steptoe	82	43.8	30	97	1
Tradition	83	44.9	33	96	1
6 Row Average	83	44.4	32	97	1
Overall Average	87	46.5	27	91	2
LSD (0.10)	5	0.6	2	2	1
CV (%)	5	1.1	5	2	40

Table 18. Spring barley variety performance results at Bonners Ferry, 2008.

Variety or Selection	Seed Yield bu/acre	Test Weight lb/bu	Plant Height inches	Plumps >6/64 %	Thins <5.5/64 %
<u>2 Row Barley</u>					
Baronesse	58	48.5	18	100	0
Bear (hulless)	55	52.7	20	53	6
Camas	47	48.9	18	85	1
Champion	69	50.1	21	99	0
Conrad	51	48.2	17	99	0
Harrington	53	48.5	19	96	1
Lenetah	70	49.5	19	97	0
Merit	65	47.7	19	97	1
AC Metcalfe	58	48.3	19	99	0
Salute	55	48.1	19	99	0
Spaulding	53	50.7	19	96	1
Tetonia	71	49.4	18	98	0
01AH2812	36	55.9	18	86	2
Radiant	60	48.5	17	97	1
2 Row Average	57	49.6	19	93	1
<u>6 Row Barley</u>					
Step toe	54	46.2	21	98	0
Tradition	47	47.5	20	98	0
6 Row Average	51	46.9	20	98	0
Overall Average	56	49.3	19	94	1
LSD (0.10)	7	0.6	2	8	1
CV (%)	11	1.1	7	7	61

Table 19. Combined spring barley performance data for Craigmont, Genesee, Moscow and Bonners Ferry, 2008.

Variety or Selection	Seed Yield					Average of 4 sites			
	Craigmont	Genesee	Moscow	B. Ferry	Average	Test Weight	Plant Height	Plumps >6/64	Thins <5.5/64
	-----bu/acre-----					lb/bu	inches	%	%
<u>2 Row Barley</u>									
Baronesse	39	76	93	58	66	48.6	24	86	5
Bear (hulless)	29	67	88	55	60	52.2	26	38	26
Camas	37	64	85	47	58	48.5	25	74	12
Champion	50	85	94	69	75	49.2	27	80	10
Conrad	39	69	85	51	61	47.8	24	79	10
Harrington	26	60	72	53	53	48.4	24	75	11
Lenetah	53	72	91	70	72	48.8	25	84	6
Merit	26	66		65	52	48.7 *	23 *	79 *	8 *
AC Metcalfe	34	64	87	58	61	47.9	26	83	6
Salute	33	62	83	55	58	47.6	25	85	5
Spaulding	35	68	90	53	61	50.2	25	78	12
Tetonia	28	72	94	71	66	49.1	24	81	6
01AH2812	34	64		36	45	52.2 *	24 *	66 *	15 *
Radiant	29	70	91	60	62	48.2	24	77	7
2 Row Average	35	68	88	57	62	49.0	25	77	10
<u>6 Row Barley</u>									
Steptoe	34	51	82	54	55	45.1	26	80	8
Tradition	31	59	83	47	55	46.4	28	79	11
6 Row Average	32	55	83	51	55	45.7	27	80	9
Overall Average	35	67	87	56	61	48.7	25	77	10
LSD (0.10)	7	11	5	7	4	0.5	1	3	2
CV (%)	18	14	5	11	--	--	--	--	--

* Merit and 01AH2812 varieties planted in three of four locations

Table 20. Grain yield averages for spring barley varieties tested for three years in northern Idaho.

Variety or Selection	2006	2007	2008	Average
-----bu/acre-----				
<u>2 Row Barley</u>				
Baronesse	100	74	66	80
Bear (hulless)	83	64	60	69
Camas	102	75	58	78
Conrad	97	69	61	76
Harrington	92	71	53	72
Merit	97	70	52 *	73
AC Metcalfe	96	70	60	75
Spaulding	110	76	62	83
Radiant	99	83	61	81
Average	97	72	59	76
<u>6 Row Barley</u>				
Steptoe	99	74	55	76
Tradition	97	69	55	74
Average	98	72	55	75
Overall Average	97	72	59	76
LSD (0.10)	4	3	4	--

* Merit grown in three locations in 2008, four in previous years

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Winter Barley

Table 21. Winter barley variety performance results at Genesee, 2008.

Variety or Selection	Seed Yield bu/acre	Test Weight lb/bu	Plant Height inches	Lodging %	Plumps >6/64 %	Thins <5.5/64 %
Boyer	72	46.9	28	0	43	22
Charles	66	47.2	23	0	79	8
Eight-Twelve	78	49.0	27	0	63	10
Kold	63	47.3	26	0	23	32
Sprinter	71	47.5	30	0	22	34
Strider	76	47.9	30	0	67	8
Sunstar Pride	71	48.3	25	0	42	24
91Ab36	81	46.9	27	0	51	19
93Ab631	66	46.6	25	0	49	18
Average	72	47.5	27	0	49	20
LSD (0.10)	12	1.5	1	0	12	10
CV (%)	12	2.2	4	0	17	34