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**Winter Wheat**  
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Table 3. Winter wheat variety performance results at Craigmont, 2007-2008.

Variety or Selection	Seed Yield bu/acre	Seed Protein %	Hardness Score 0-100	Test Weight lb/bu	Plant Height inches	Lodging %
<b><u>Soft White</u></b>						
Bitterroot	82	10.5	25	59.1	33	0
Brundage 96	72	11.5	24	57.8	29	0
Concept	71	11.3	23	59.6	29	0
Goetze	68	11.2	24	57.5	28	0
IDO 587	79	11.3	22	56.7	32	0
Lambert	82	10.9	29	57.6	35	0
Madsen	72	11.0	30	58.2	30	0
Mohler	81	10.9	27	58.3	33	0
ORCF-101	79	11.4	30	58.4	31	0
ORCF-102	84	10.9	29	58.6	32	0
Simon	81	10.9	26	58.5	33	0
Stephens	77	10.9	23	57.7	31	0
Tubbs 06	80	10.6	25	57.0	34	0
WestBred 528	72	11.0	26	59.1	30	0
Xerpha	91	10.5	28	58.1	33	0
IDO 655	71	11.2	24	59.8	35	0
ID 99-435	88	10.8	30	57.9	35	0
ID 93-64901A	77	11.0	21	59.2	30	0
ID 02-859	80	10.8	19	57.1	30	0
ID 00-475-20H	70	11.9	21	59.3	30	0
<b>Average</b>	78	11.0	25	58.2	32	0
<b><u>Hard Wheat</u></b>						
MDM (HW)	68	11.0	50	59.9	31	0
Boundary (HR)	77	10.6	52	59.4	30	0
Bauermeister (HR)	76	10.7	54	59.5	34	0
Paladin (HR)	80	11.6	57	62.1	31	0
IDO 621 (HR)	74	11.3	46	60.3	29	0
<b>Average</b>	75	11.0	52	60.2	31	0
<b><u>Club</u></b>						
ORN-553	76	11.3	47	60.1	27	0
Cara	74	11.6	30	56.9	29	0
Chukar	75	11.6	32	56.9	30	0
Coda	76	12.3	30	59.7	31	0
Rohde	77	12.1	29	59.9	29	0
<b>Average</b>	76	11.8	34	58.7	30	0
Overall Average	77	11.1	31	58.7	31	0
LSD (0.10)	12	--	--	1.2	2	0
CV (%)	11	--	--	1.4	5	0

Table 4. Winter wheat variety performance results at Lewiston, 2007-2008.

Variety or Selection	Seed Yield bu/acre	Seed Protein %	Hardness Score 0-100	Test Weight lb/bu	Plant Height inches	Lodging %
<b><u>Soft White</u></b>						
Bitterroot	81	13.2	18	57.2	43	0
Brundage 96	85	14.3	23	55.7	40	0
Concept	68	14.3	18	54.1	39	1
Goetze	93	13.9	22	54.2	38	0
IDO 587	83	15.1	27	54.3	40	0
Lambert	95	13.7	27	56.2	45	1
Madsen	79	15.0	29	54.2	41	0
Mohler	90	13.8	26	55.5	42	1
ORCF-101	88	13.9	26	55.4	40	0
ORCF-102	92	13.7	27	57.2	44	0
Simon	94	13.6	26	56.4	42	0
Stephens	86	14.5	27	54.1	39	0
Tubbs 06	93	14.0	26	54.5	44	0
WestBred 528	97	12.8	25	59.0	40	0
Xerpha	102	13.9	29	55.8	44	1
IDO 655	85	13.6	8	57.6	46	4
ID 99-435	95	13.6	28	55.7	46	1
ID 93-64901A	92	13.0	18	56.8	44	1
ID 02-859	90	13.6	19	54.6	39	0
ID 00-475-20H	75	14.2	21	55.9	43	1
<b>Average</b>	89	13.9	24	55.6	42	1
<b><u>Hard Wheat</u></b>						
MDM (HW)	67	14.1	49	54.1	42	5
Boundary (HR)	90	13.5	58	57.9	40	0
Bauermeister (HR)	71	13.6	54	54.2	45	5
Paladin (HR)	86	13.5	58	59.9	40	0
IDO 621 (HR)	99	12.8	56	58.8	40	0
<b>Average</b>	83	13.5	55	57.0	41	2
<b><u>Club</u></b>						
ORN-553	97	13.4	57	60.1	36	0
Cara	91	14.2	29	53.4	40	1
Chukar	91	14.0	29	54.2	41	1
Coda	77	14.9	30	54.7	41	4
Rohde	90	14.0	28	58.7	42	1
<b>Average</b>	89	14.1	35	56.2	40	1
Overall Average	87	13.9	31	56.0	41	1
LSD (0.10)	9	--	--	1.4	2	1
CV (%)	7	--	--	1.8	3	87

Table 5. Winter wheat variety performance results at Genesee direct seeded, 2007-2008.

Variety or Selection	Seed Yield bu/acre	Seed Protein %	Hardness Score 0-100	Test Weight lb/bu	Plant Height inches	Lodging %
<b><u>Soft White</u></b>						
Bitterroot	59	12.2	24	59.2	32	0
Brundage 96	53	13.5	24	54.0	30	0
Concept	49	13.2	21	57.6	27	0
Goetze	56	12.9	21	58.1	29	0
IDO 587	56	13.2	22	58.0	31	0
Lambert	46	13.4	26	57.5	33	0
Madsen	41	14.0	25	56.7	29	0
Mohler	48	13.1	18	56.9	32	0
ORCF-101	52	14.1	23	57.6	32	0
ORCF-102	55	13.8	25	58.7	31	0
Simon	54	13.6	25	57.9	31	0
Stephens	46	13.6	25	57.3	31	0
Tubbs 06	53	13.6	25	56.4	33	0
WestBred 528	57	13.3	27	61.1	32	0
Xerpha	60	13.9	26	58.4	32	0
IDO 655	55	13.2	28	60.3	34	0
ID 99-435	50	13.1	26	58.5	34	0
ID 93-64901A	59	12.1	22	58.6	31	0
ID 02-859	52	14.0	21	56.7	29	0
ID 00-475-20H	53	13.6	22	58.7	31	0
<b>Average</b>	53	13.4	24	57.9	31	0
<b><u>Hard Wheat</u></b>						
MDM (HW)	60	12.8	48	59.3	31	0
Boundary (HR)	52	13.3	56	59.7	30	0
Bauermeister (HR)	58	12.8	56	58.3	31	0
Paladin (HR)	49	13.8	61	62.3	30	0
IDO 621 (HR)	55	13.0	54	60.4	29	0
<b>Average</b>	55	13.1	55	60.0	30	0
<b><u>Club</u></b>						
ORN-553	63	13.2	68	62.5	30	0
Cara	50	13.9	31	57.1	27	0
Chukar	47	13.6	32	57.3	27	0
Coda	48	14.2	29	59.6	31	0
Rohde	45	13.9	28	59.5	28	0
<b>Average</b>	51	13.8	38	59.2	28	0
Overall Average	53	13.4	31	58.5	31	0
LSD (0.10)	8	--	--	1.4	3	0
CV (%)	11	--	--	3.3	3	0

Table 6. Winter wheat variety performance results at Moscow direct seeded, 2007-2008.

Variety or Selection	Seed Yield bu/acre	Seed Protein %	Hardness Score 0-100	Test Weight lb/bu	Plant Height inches	Lodging %
<b><u>Soft White</u></b>						
Bitterroot	96	9.6	22	59.9	37	0
Brundage 96	94	9.6	25	60.7	33	0
Concept	90	9.7	21	61.7	31	0
Goetze	91	10.3	25	61.2	31	0
IDO 587	92	10.1	27	61.7	34	0
Lambert	94	9.7	32	61.9	38	0
Madsen	94	9.8	29	61.0	34	0
Mohler	96	9.8	31	61.6	36	0
ORCF-101	92	10.5	31	62.1	34	0
ORCF-102	95	9.7	28	60.4	35	0
Simon	96	10.3	31	60.7	35	0
Stephens	91	10.2	28	58.1	36	0
Tubbs 06	101	9.4	32	60.8	36	0
WestBred 528	93	9.2	30	62.7	34	0
Xerpha	104	9.2	28	59.8	35	0
IDO 655	95	9.9	31	62.7	38	0
ID 99-435	91	9.6	30	61.0	38	0
ID 93-64901A	100	9.5	23	61.0	35	0
ID 02-859	98	9.6	22	60.6	32	0
ID 00-475-20H	94	9.7	23	61.5	34	0
<b>Average</b>	95	9.8	27	61.1	35	0
<b><u>Hard Wheat</u></b>						
MDM (HW)	110	9.6	45	53.7	37	0
Boundary (HR)	88	10.2	60	62.0	34	0
Bauermeister (HR)	105	9.3	51	54.0	38	0
Paladin (HR)	77	11.5	60	63.6	33	0
IDO 621 (HR)	87	10.2	56	62.9	32	0
<b>Average</b>	94	10.2	54	59	35	0
<b><u>Club</u></b>						
ORN-553	81	11.1	58	62.9	31	0
Cara	89	9.9	29	60.4	34	0
Chukar	90	9.8	30	60.8	35	0
Coda	84	10.4	34	63.4	37	0
Rohde	82	10.4	27	62.8	33	0
<b>Average</b>	85	10.3	36	62.1	34	0
Overall Average	93	9.9	34	60.9	35	0
LSD (0.10)	6	--	--	2.3	1	0
CV (%)	4	--	--	2.6	2	0

Table 7. Winter wheat variety performance results at Bonners Ferry, 2007-2008.

Variety or Selection	Seed Yield bu/acre	Seed Protein %	Hardness Score 0-100	Test Weight lb/bu	Plant Height inches	Lodging %
<b><u>Soft White</u></b>						
Bitterroot	74	8.4	10	56.0	27	0
Brundage 96	64	9.1	17	55.8	24	0
Concept	58	9.4	13	56.9	24	0
Goetze	68	10.1	15	56.3	24	0
IDO 587	47	10.6	18	57.1	25	0
Lambert	51	10.0	22	57.2	28	0
Madsen	62	9.1	19	55.7	24	0
Mohler	60	9.4	16	56.5	26	0
ORCF-101	60	9.8	12	57.4	26	0
ORCF-102	69	9.3	16	56.6	26	0
Simon	62	9.6	18	57.2	25	0
Stephens	58	10.8	23	57.4	25	0
Tubbs 06	62	9.3	19	56.3	27	0
WestBred 528	64	10.5	16	57.8	26	0
Xerpha	63	8.9	21	57.6	25	0
IDO 655	53	9.2	20	58.5	25	0
ID 99-435	53	9.7	21	57.0	26	0
ID 93-64901A	71	8.8	12	56.3	26	0
ID 02-859	73	8.9	9	55.6	23	0
ID 00-475-20H	58	9.9	16	58.3	25	0
<b>Average</b>	61	9.5	17	56.9	25	0
<b><u>Hard Wheat</u></b>						
MDM (HW)	67	9.5	43	59.0	27	0
Boundary (HR)	65	9.8	48	59.4	25	0
Bauermeister (HR)	63	9.3	44	58.5	28	0
Paladin (HR)	60	11.2	55	61.4	25	0
IDO 621 (HR)	60	10.3	46	60.7	23	0
<b>Average</b>	63	10.0	47	59.8	26	0
<b><u>Club</u></b>						
ORN-553	60	11.1	59	61.1	23	0
Cara	67	9.1	22	56.5	24	0
Chukar	69	8.9	23	57.0	25	0
Coda	62	9.9	24	58.5	25	0
Rohde	63	10.0	22	58.8	24	0
<b>Average</b>	64	9.8	30	58.4	24	0
Overall Average	62	9.7	24	57.6	25	0
LSD (0.10)	15	--	--	0.9	3	0
CV (%)	5	--	--	0.8	5	0

Table 8. Combined winter wheat performance data for Craigmont, Lewiston, Genesee, Moscow, and Bonners Ferry, 2007-2008.

Variety or Selection	Seed Yield					Average
	Lewiston	Genesee	Craigmont	Moscow	B. Ferry	
	bu/acre					
<b><u>Soft White</u></b>						
Bitterroot	81	59	82	96	74	78
Brundage 96	85	53	72	94	64	74
Concept	68	49	71	90	58	67
Goetze	93	56	68	91	68	75
IDO 587	83	56	79	92	47	71
Lambert	95	46	82	94	51	74
Madsen	79	41	72	94	62	70
Mohler	90	48	81	96	60	75
ORCF-101	88	52	79	92	60	74
ORCF-102	92	55	84	95	69	79
Simon	94	54	81	96	62	77
Stephens	86	46	77	91	58	72
Tubbs 06	93	53	80	101	62	78
WestBred 528	97	57	72	93	64	77
Xerpha	102	60	91	104	63	84
IDO 655	85	55	71	95	53	72
ID 99-435	95	50	88	91	53	75
ID 93-64901A	92	59	77	100	71	80
ID 02-859	90	52	80	98	73	79
ID 00-475-20H	75	53	70	94	58	70
<b>Average</b>	89	53	78	95	61	75
<b><u>Hard Wheat</u></b>						
MDM (HW)	67	60	68	110	67	75
Boundary (HR)	90	52	77	88	65	74
Bauermeister (HR)	71	58	76	105	63	75
Paladin (HR)	86	49	80	77	60	70
IDO 621 (HR)	99	55	74	87	60	75
<b>Average</b>	83	55	75	94	63	74
<b><u>Club</u></b>						
ORN-553	97	63	76	81	60	76
Cara	91	50	74	89	67	74
Chukar	91	47	75	90	69	74
Coda	77	48	76	84	62	69
Rohde	90	45	77	82	63	72
<b>Average</b>	89	51	76	85	64	73
Overall Average	87	53	77	93	62	75
LSD (0.10)	9	8	12	6	15	4
CV (%)	7	11	11	4	5	--

Table 9. Grain yield averages for winter wheat varieties tested for three years in northern Idaho.

Variety or Selection	2005-2006	2006-2007	2007-2008	Average
Number of Sites	5	5	5	5
	-----bu/acre-----			
<b><u>Soft White</u></b>				
Bitterroot	85	68	78	77
Brundage 96	82	73	74	76
Concept	83	68	67	73
IDO 587	80	64	71	72
Lambert	82	68	74	75
Madsen	82	69	70	74
Mohler	89	74	75	79
ORCF-101	83	68	74	75
ORCF-102	91	68	79	79
Simon	84	69	77	77
Stephens	82	67	72	74
Tubbs06	88	69	78	78
WestBred 528	86	73	77	79
<b>Average</b>	84	69	74	76
<b><u>Hard Wheat</u></b>				
Boundary (HR)	81	70	74	75
Bourmeister (HR)	80	70	75	75
MDM (HW)	80	64	75	73
IDO 621 (HR)	82	72	75	76
<b>Average</b>	81	69	75	75
<b><u>Club</u></b>				
Chukar	84	65	74	74
Coda	80	65	69	
Rohde	80	72	72	
<b>Average</b>	81	67	72	73
Overall Average	84	69	74	75
LSD (0.10)	3	4	4	--