2009 WSU EXTENSION SOFT WHITE WINTER WHEAT NURSERY AT LAMONT, WA.

		5 YEAR	3 YEAR	2 YEAR	2009					
Manager 115		AVERAGE	AVERAGE	AVERAGE						
CARA 101 96 94 110 58.9 11.4 0 32 156 CERPHA 97 100 98 108 60.2 11.2 0 33 156 AP LEGACY 90 102 59.8 11.2 0 33 156 AP LEGACY 95 91 101 61.4 12.3 0 30 149 WA008063 91 101 61.7 12.1 0 31 158 FINCH 105 95 95 100 61.7 12.1 0 31 158 CRABOSOZE 91 94 61.2 11.7 0 30 158 WA008066 87 94 61.2 11.7 0 30 158 SKILES 91 93 60.4 12.2 10 31 155 WA009064 96 92 91 62.5 13.2 0 31 156	ARS970071-3C				115	61.2	12.7		36	155
CHITAKAR	CARA	101	96	94				0		
New Part				-						
Pale										
NACOBER 1								0		
FINCH	WA008063							0		
PROPERTY PROPERTY	FINCH	105	95					0		
ELTAN 91 94 92 94 61.4 12.2 10 33 158 WA008066 87 94 61.2 11.7 0 30 159 SKILES 91 93 60.3 11.5 0 28 151 ORZO40726 93 60.3 11.5 0 28 151 ARSW70168367 83 90 62.4 12.2 0 30 156 ARSW70168367 83 90 62.4 12.2 0 30 156 ROD 95 94 89 89 58.9 11.1 7 30 156 ARSW70170-2L 87 60.3 11.5 0 22 151 ORZO50293 87 81 87 60.3 12.4 0 31 156 ORZO50293 87 81 87 60.6 12.4 0 30 150 CODA 93 88 86 86 61.4 11.7 0 33 156 CODA 93 88 86 86 61.4 11.7 0 33 156 CODA 93 88 86 86 61.4 11.7 0 33 156 CODA 93 88 86 86 61.4 11.7 0 33 156 CODA 93 88 86 86 61.4 11.7 0 33 156 CODA 93 88 86 86 61.4 11.7 0 32 158 ELTANMADSEN 67 86 86 59.3 11.4 0 32 158 ELTANMADSEN 87 88 88 59.5 11.6 0 28 151 SALUTE 91 88 85 59.6 12.9 0 27 153 WA008092 88 88 89 59.5 11.7 0 32 158 WA008092 88 88 89 89 11.1 0 33 156 ORCF-102 97 91 87 84 60.6 12.1 0 33 156 ORCF-101 89 85 83 81 60 60.8 13.3 0 32 159 WA008092 88 84 81 59.3 12.4 0 29 152 MADSENRO 87 88 88 89 59.5 12.6 0 31 156 ORCF-101 89 85 83 81 59.3 12.4 0 29 152 MA008094 89 87 87 88 89 89.5 11.0 0 28 156 ELTANTUBESOG 86 87 79 80 61.5 12.5 0 28 156 ELTANTUBESOG 86 87 79 79 80 61.5 12.5 0 28 156 ELTANTUBESOG 86 87 79 79 80 61.5 12.5 0 28 156 ELTANTUBESOG 87 88 80 77 77 69 59.8 13.1 0 27 153 ELTANTUBESOG 97 88 80 77 77 69 59.8 13.1 0 27 154 ELTANTUBESOG 97 88 80 77 77 69 59.8 13.1 0 27 154 ELTANTUBESOG 97 88 80 77 77 69 59.9 13.5	OR2060324							0		
NACOBOSO	ELTAN	91	94	92				10		
SKILES 91 93 60.4 12.8 0 29 155 WA008065 92 91 62.5 11.5 0 28 151 WA008065 92 91 62.5 13.2 0 31 153 ARSW710634C 83 90 62.4 12.2 0 30 156 ROD 95 94 89 89 58.9 11.1 7 30 156 ROD 95 94 89 89 68.9 11.1 7 30 156 ROD 95 94 89 89 58.9 11.1 7 30 156 ROD 95 94 89 89 60.2 11.5 0 31 156 RCF08002 8 86 86 86 61.24 10 32 153 RCF08002 8 86 86 86 61.24 11.7 0	WA008066							0		
MADDB065	SKILES			91	93	60.4		0	29	
MADDROBES	OR2040726				93	60.3	11.5	0	28	151
WA008064 86	WA008065			92	91	62.5		0	31	153
ROD	ARS970168-2C			83	90	62.4	12.2	0	30	156
ROD	WA008064			86	90	-		0		
ARSPO170-2L		95	94							
OR2050293 87 59.4 12.9 0 27 163 KCF08002 87 60.6 12.4 0 30 150 CODA 93 88 86 86 86 61.4 11.7 0 33 156 MASAMI 104 92 86 86 59.3 11.4 0 32 158 ELTANMADSEN 87 86 86 59.8 12.9 0 30 156 CRIZGG036 86 60.5 59.8 12.9 0 30 158 SALUTE 91 88 85 59.7 11.7 0 32 153 ID02-859 91 87 84 60.6 12.1 0 33 153 WA008092 91 87 84 60.6 12.1 0 33 153 WB 523 84 82 83 61.6 12.0 0 30 152 <	ARS970170-2L				89	60.2		0	34	
KCF08002	ORCF-103		87	81	87	60.3	12.4	0	31	156
NCF-08002	OR2050293				87	59.4	12.9	0	27	
MASAMI	KCF08002				87	60.6	12.4	0	30	150
ELTAN/MADSEN 87 86 86 59.8 12.9 0 30 156 ORIZO60306	CODA	93	88	86				0		
ELTAN/MADSEN	MASAMI	104		86				0		
ORI2060306 86 60.5 12.9 0 28 151 SALUTE 91 88 85 59.7 11.7 0 32 153 LD02-859 91 85 85 59.6 12.6 0 27 152 ORCF-102 97 91 87 84 60.6 12.1 0 33 153 WA008092 84 60.8 13.3 0 32 159 WB 523 84 82 83 61.6 12.0 0 30 152 MADSEN/ROD 87 83 83 59.5 12.6 0 31 156 RODTUBBS06 80 83 59.1 10.7 0 30 155 BRUEHL 89 86 81 81 59.7 12.6 0 31 158 ROCRF-101 89 85 83 81 59.7 12.6 0 31 158	ELTAN/MADSEN		87					0		
SALUTE 91 88 85 59.7 11.7 0 32 153 ID02-859 91 85 85 59.6 12.6 0 27 152 ORCF-102 97 91 87 84 60.6 12.1 0 33 153 WA008092 84 60.8 13.3 0 32 159 WB 523 84 82 83 61.6 12.0 0 30 152 MADSEN/ROD 87 83 83 59.5 12.6 0 31 156 ROD/TUBBS06 80 83 59.1 10.7 0 30 155 BRUEHL 89 86 81 81 59.7 12.6 0 31 158 CRCF-101 89 85 83 81 59.3 12.4 0 29 152 RJAMES 93 88 84 81 59.8 12.9	ORI2060306							0		
ORCF-102 97 91 87 84 60.6 12.1 0 33 153 WA008092 84 60.8 13.3 0 32 159 WB 523 84 82 83 61.6 12.0 0 30 152 MADSEN/ROD 87 83 83 59.5 12.6 0 31 156 ROD/TUBBS06 80 83 59.1 10.7 0 30 155 BRUEHL 89 86 81 81 59.7 12.6 0 31 158 ORCF-101 89 85 83 81 59.7 12.6 0 31 158 RORF-101 89 85 83 81 59.7 12.6 0 31 158 BRUSHES 93 88 84 81 59.8 12.9 0 29 155 WA008094 15 83 80 59.9	SALUTE		91	88	85	59.7	11.7	0	32	
ORCF-102 97 91 87 84 60.6 12.1 0 33 153 WA008092 84 60.8 13.3 0 32 159 WB 523 84 82 83 61.6 12.0 0 30 152 MADSEN/ROD 87 83 83 59.5 12.6 0 31 156 ROD/TUBBS06 80 83 59.1 10.7 0 30 155 BRUEHL 89 86 81 81 59.7 12.6 0 31 158 BRUEHL 89 85 83 81 59.7 12.6 0 31 158 BRUEHL 89 85 83 81 59.7 12.6 0 31 158 BRUEHL 89 85 83 81 59.7 12.6 0 31 158 TAJAMES 93 88 84 81 61	ID02-859		91	85	85	59.6	12.6	0	27	152
WB 523 84 82 83 61.6 12.0 0 30 152 MADSEN/ROD 87 83 83 59.5 12.6 0 31 156 ROD/TUBBS06 80 83 59.1 10.7 0 30 155 BRUEHL 89 86 81 81 59.7 12.6 0 31 158 ORCF-101 89 85 83 81 59.7 12.6 0 31 158 ORCF-101 89 85 83 81 59.3 12.4 0 29 152 RAMES 93 88 84 81 59.8 12.9 0 29 155 WA008094 15 83 80 59.9 12.6 0 33 154 CASHUP 86 79 79 80 61.5 12.5 0 28 155 ELTANTUBBS06 85 89	ORCF-102	97	91	87	84	60.6	12.1	0	33	
WB 523 84 82 83 61.6 12.0 0 30 152 MADSEN/ROD 87 83 83 59.5 12.6 0 31 156 ROD/TUBBS06 80 83 59.1 10.7 0 30 155 BRUEHL 89 86 81 81 59.7 12.6 0 31 158 ORCF-101 89 85 83 81 59.3 12.4 0 29 152 RJAMES 93 88 84 81 59.8 12.9 0 29 152 WA008094 83 80 59.9 12.6 0 31 158 TUBBS 06 91 83 80 59.9 12.6 0 33 154 CASHUP 86 79 79 80 61.5 12.5 0 28 155 ELTANTUBBS06 85 89 79 59.8	WA008092				84	60.8	13.3	0	32	159
ROD/TUBBS06 80 83 59.1 10.7 0 30 155 BRUEHL 89 86 81 81 59.7 12.6 0 31 158 ORCF-101 89 85 83 81 59.3 12.4 0 29 152 RJAMES 93 88 84 81 59.8 12.9 0 29 155 WA008094 81 61.2 11.9 0 31 158 TUBBS 06 91 83 80 59.9 12.6 0 33 154 CASHUP 86 79 79 80 61.5 12.5 0 28 155 ELTANTUBBS06 85 89 79 59.8 12.3 0 32 158 GCORGE 95 95 89 79 59.8 12.3 0 32 158 WA008093 79 60.5 13.1 0	WB 523		84	82	83	61.6		0	30	
BRUEHL 89 86 81 81 59.7 12.6 0 31 158 ORCF-101 89 85 83 81 59.3 12.4 0 29 152 RAMES 93 88 84 81 59.8 12.9 0 29 155 WA008094 83 84 81 59.8 12.9 0 29 155 WA008094 91 83 80 59.9 12.6 0 33 158 TUBBS 06 91 83 80 59.9 12.6 0 33 154 CASHUP 86 79 79 80 61.5 12.5 0 28 155 ELTAN/TUBBS06 85 89 79 59.8 12.3 0 32 158 GEORGE 95 95 89 79 59.8 12.3 0 32 158 CDC PTARMIGAN 79	MADSEN/ROD		87	83	83	59.5	12.6	0	31	156
ORCF-101 89 85 83 81 59.3 12.4 0 29 152 RJAMES 93 88 84 81 59.8 12.9 0 29 155 WA008094 88 84 81 59.8 12.9 0 29 155 TUBBS 06 91 83 80 59.9 12.6 0 33 154 CASHUP 86 79 79 80 61.5 12.5 0 28 155 ELTANTUBBS06 85 80 59.5 11.9 0 30 156 GEORGE 95 95 89 79 59.8 12.3 0 32 158 CDC PTARMIGAN 79 60.3 11.4 23 33 154 WA008093 85 78 74 60.5 12.3 0 32 153 WB 456 85 80 74 60.5 12.3	ROD/TUBBS06			80	83	59.1	10.7	0	30	155
ORCF-101 89 85 83 81 59.3 12.4 0 29 152 RJAMES 93 88 84 81 59.8 12.9 0 29 155 WA008094 88 84 81 59.8 12.9 0 29 155 TUBBS 06 91 83 80 59.9 12.6 0 33 154 CASHUP 86 79 79 80 61.5 12.5 0 28 155 ELTANTUBBS06 85 80 59.5 11.9 0 30 156 GEORGE 95 95 89 79 59.8 12.3 0 32 158 CDC PTARMIGAN 79 60.3 11.4 23 33 154 WA008093 85 78 74 60.5 12.3 0 32 153 WB 456 85 80 74 60.5 12.3	BRUEHL	89	86	81	81	59.7	12.6	0	31	158
WA008094 81 61.2 11.9 0 31 158 TUBBS 06 91 83 80 59.9 12.6 0 33 154 CASHUP 86 79 79 80 61.5 12.5 0 28 155 ELTAN/TUBBS06 85 80 59.5 11.9 0 30 156 GEORGE 95 95 89 79 59.8 12.3 0 32 158 CDC PTARMIGAN 79 60.3 11.4 23 33 154 WA008093 79 60.5 13.1 0 31 153 ID990435 85 78 74 60.5 12.3 0 32 153 WB 456 85 80 74 61.4 13.9 0 26 151 BZ6W02-616 74 60.7 12.0 0 28 150 KCF08001 74 61.4 13.9 0 25 153 AP 700 CL 82 79 71	ORCF-101	89	85	83	81	59.3	12.4	0	29	
TUBBS 06 91 83 80 59.9 12.6 0 33 154 CASHUP 86 79 79 80 61.5 12.5 0 28 155 ELTAN/TUBBS06 85 80 59.5 11.9 0 30 156 GEORGE 95 95 89 79 59.8 12.3 0 32 158 CDC PTARMIGAN 79 60.3 11.4 23 33 154 WA008093 79 60.5 13.1 0 31 153 ID990435 85 78 74 60.5 12.3 0 32 153 WB 456 85 80 74 61.4 13.9 0 26 151 BZ6W02-616 74 60.7 12.0 0 28 150 KCF08001 74 60.6 12.2 0 30 150 BRUNDAGE 96 97 88 <	RJAMES	93	88	84	81	59.8	12.9	0	29	155
CASHUP 86 79 79 80 61.5 12.5 0 28 155 ELTAN/TUBBS06 85 85 80 59.5 11.9 0 30 156 GEORGE 95 95 89 79 59.8 12.3 0 32 158 CDC PTARMIGAN 79 60.3 11.4 23 33 154 WA008093 79 60.5 13.1 0 31 153 ID990435 85 78 74 60.5 12.3 0 32 153 WB 456 85 80 74 61.4 13.9 0 26 151 BZ6W02-616 74 60.7 12.0 0 28 150 KCF08001 74 60.6 12.2 0 30 150 BRUNDAGE 96 97 88 80 72 59.6 11.8 0 25 153 AP 700 CL 82 79 71 59.8 12.8 0 29 152	WA008094				81	61.2	11.9	0	31	158
CASHUP 86 79 79 80 61.5 12.5 0 28 155 ELTAN/TUBBS06 85 80 59.5 11.9 0 30 156 GEORGE 95 95 89 79 59.8 12.3 0 32 158 CDC PTARMIGAN 79 60.3 11.4 23 33 154 WA008093 79 60.5 13.1 0 31 153 ID990435 85 78 74 60.5 12.3 0 32 153 WB 456 85 80 74 61.4 13.9 0 26 151 BZ6W02-616 74 60.7 12.0 0 28 150 KCF08001 74 60.6 12.2 0 30 150 BRUNDAGE 96 97 88 80 72 59.6 11.8 0 25 153 AP 700 CL 82	TUBBS 06		91	83	80	59.9	12.6	0	33	154
GEORGE 95 95 89 79 59.8 12.3 0 32 158 CDC PTARMIGAN 79 60.3 11.4 23 33 154 WA008093 79 60.5 13.1 0 31 153 ID990435 85 78 74 60.5 12.3 0 32 153 WB 456 85 80 74 61.4 13.9 0 26 151 BZ6W02-616 74 60.7 12.0 0 28 150 KCF08001 74 60.6 12.2 0 30 150 BRUNDAGE 96 97 88 80 72 59.6 11.8 0 25 153 AP 700 CL 82 79 71 59.8 12.8 0 29 152 LEGION 81 71 59.6 11.2 0 30 154 LAMBERT 92 84 81	CASHUP	86			80			0	28	
CDC PTARMIGAN 79 60.3 11.4 23 33 154 WA008093 79 60.5 13.1 0 31 153 ID990435 85 78 74 60.5 12.3 0 32 153 WB 456 85 80 74 61.4 13.9 0 26 151 BZ6W02-616 74 60.7 12.0 0 28 150 KCF08001 74 60.6 12.2 0 30 150 BRUNDAGE 96 97 88 80 72 59.6 11.8 0 25 153 AP 700 CL 82 79 71 59.8 12.8 0 29 152 LEGION 81 71 59.6 11.2 0 30 154 LAMBERT 92 84 81 70 60.7 12.0 0 32 152 9364901A 81 76 70 60.8 13.1 0 27 154 SIMON 89	ELTAN/TUBBS0	6		85	80	59.5	11.9	0	30	156
WA008093 79 60.5 13.1 0 31 153 ID990435 85 78 74 60.5 12.3 0 32 153 WB 456 85 80 74 61.4 13.9 0 26 151 BZ6W02-616 74 60.7 12.0 0 28 150 KCF08001 74 60.6 12.2 0 30 150 BRUNDAGE 96 97 88 80 72 59.6 11.8 0 25 153 AP 700 CL 82 79 71 59.8 12.8 0 29 152 LEGION 81 71 59.6 11.2 0 30 154 LAMBERT 92 84 81 70 60.7 12.0 0 32 152 9364901A 81 76 70 60.8 13.1 0 27 154 SIMON 89 77 77 69 59.9 13.5 0 31 155 <tr< td=""><td>GEORGE</td><td>95</td><td>95</td><td>89</td><td>79</td><td>59.8</td><td>12.3</td><td>0</td><td>32</td><td>158</td></tr<>	GEORGE	95	95	89	79	59.8	12.3	0	32	158
ID990435	CDC PTARMIGA	N			79	60.3	11.4	23	33	154
WB 456 85 80 74 61.4 13.9 0 26 151 BZ6W02-616 74 60.7 12.0 0 28 150 KCF08001 74 60.6 12.2 0 30 150 BRUNDAGE 96 97 88 80 72 59.6 11.8 0 25 153 AP 700 CL 82 79 71 59.8 12.8 0 29 152 LEGION 81 71 59.6 11.2 0 30 154 LAMBERT 92 84 81 70 60.7 12.0 0 32 152 9364901A 81 76 70 60.8 13.1 0 27 154 SIMON 89 77 77 69 59.9 13.5 0 31 155 WB 1020M 76 75 69 60.3 12.3 0 29 156 MADSEN 90 78 72 68 59.5 11.6 0	WA008093				79	60.5	13.1	0	31	153
BZ6W02-616 74 60.7 12.0 0 28 150 KCF08001 74 60.6 12.2 0 30 150 BRUNDAGE 96 97 88 80 72 59.6 11.8 0 25 153 AP 700 CL 82 79 71 59.8 12.8 0 29 152 LEGION 81 71 59.6 11.2 0 30 154 LAMBERT 92 84 81 70 60.7 12.0 0 32 152 9364901A 81 76 70 60.8 13.1 0 27 154 SIMON 89 77 77 69 59.9 13.5 0 31 155 WB 1020M 76 75 69 60.3 12.3 0 29 156 MADSEN 90 78 72 68 59.5 11.6 0 28	ID990435		85	78	74	60.5	12.3	0	32	153
KCF08001 74 60.6 12.2 0 30 150 BRUNDAGE 96 97 88 80 72 59.6 11.8 0 25 153 AP 700 CL 82 79 71 59.8 12.8 0 29 152 LEGION 81 71 59.6 11.2 0 30 154 LAMBERT 92 84 81 70 60.7 12.0 0 32 152 9364901A 81 76 70 60.8 13.1 0 27 154 SIMON 89 77 77 69 59.9 13.5 0 31 155 WB 1020M 76 75 69 60.3 12.3 0 29 156 MADSEN 90 78 72 68 59.5 11.6 0 28 156	WB 456		85	80	74	61.4	13.9		26	151
KCF08001 74 60.6 12.2 0 30 150 BRUNDAGE 96 97 88 80 72 59.6 11.8 0 25 153 AP 700 CL 82 79 71 59.8 12.8 0 29 152 LEGION 81 71 59.6 11.2 0 30 154 LAMBERT 92 84 81 70 60.7 12.0 0 32 152 9364901A 81 76 70 60.8 13.1 0 27 154 SIMON 89 77 77 69 59.9 13.5 0 31 155 WB 1020M 76 75 69 60.3 12.3 0 29 156 MADSEN 90 78 72 68 59.5 11.6 0 28 156	BZ6W02-616				74	60.7	12.0	0	28	150
AP 700 CL 82 79 71 59.8 12.8 0 29 152 LEGION 81 71 59.6 11.2 0 30 154 LAMBERT 92 84 81 70 60.7 12.0 0 32 152 9364901A 81 76 70 60.8 13.1 0 27 154 SIMON 89 77 77 69 59.9 13.5 0 31 155 WB 1020M 76 75 69 60.3 12.3 0 29 156 MADSEN 90 78 72 68 59.5 11.6 0 28 156	KCF08001				74	60.6		0	30	150
LEGION 81 71 59.6 11.2 0 30 154 LAMBERT 92 84 81 70 60.7 12.0 0 32 152 9364901A 81 76 70 60.8 13.1 0 27 154 SIMON 89 77 77 69 59.9 13.5 0 31 155 WB 1020M 76 75 69 60.3 12.3 0 29 156 MADSEN 90 78 72 68 59.5 11.6 0 28 156	BRUNDAGE 96	97	88	80	72	59.6	11.8	0	25	153
LAMBERT 92 84 81 70 60.7 12.0 0 32 152 9364901A 81 76 70 60.8 13.1 0 27 154 SIMON 89 77 77 69 59.9 13.5 0 31 155 WB 1020M 76 75 69 60.3 12.3 0 29 156 MADSEN 90 78 72 68 59.5 11.6 0 28 156	AP 700 CL		82	79	71	59.8	12.8	0	29	152
9364901A 81 76 70 60.8 13.1 0 27 154 SIMON 89 77 77 69 59.9 13.5 0 31 155 WB 1020M 76 75 69 60.3 12.3 0 29 156 MADSEN 90 78 72 68 59.5 11.6 0 28 156	LEGION			81	71	59.6	11.2	0	30	154
SIMON 89 77 77 69 59.9 13.5 0 31 155 WB 1020M 76 75 69 60.3 12.3 0 29 156 MADSEN 90 78 72 68 59.5 11.6 0 28 156	LAMBERT	92	84	81	70	60.7	12.0	0	32	152
WB 1020M 76 75 69 60.3 12.3 0 29 156 MADSEN 90 78 72 68 59.5 11.6 0 28 156	9364901A		81	76	70	60.8	13.1	0	27	154
MADSEN 90 78 72 68 59.5 11.6 0 28 156	SIMON	89	77	77	69	59.9	13.5	0	31	155
	WB 1020M		76	75	69	60.3	12.3	0	29	156
BITTERROOT 72 70 68 60.7 13.8 0 28 157		90	78	72	68	59.5	11.6		28	156
	BITTERROOT		72	70	68	60.7	13.8	0	28	157

2009 WSU EXTENSION SOFT WHITE WINTER WHEAT NURSERY AT LAMONT, WA.

	5 YEAR	3 YEAR	2 YEAR	2009					
Variety Name *Club Italicized	AVERAGE (BU/A)	AVERAGE (BU/A)	AVERAGE (BU/A)	YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	LODGING (%)	PLANT HT	HEAD DATE
WB-528	80	80	77	68	61.5	12.6	0	28	151
STEPHENS	89	79	73	66	59.6	12.4	0	29	151
WB 1066M			72	65	61.6	12.3	0	30	151
WB 1070M				54	61.6	13.7	0	28	149
C.V. %	11	11	11	13	1.0	6.1	883	8	1
LSD '@ .10'	5	7	9	15	0.9	1.0	8	3	1
Average	94	87	84	83	60.4	12.3	1	30	154
Highest	105	100	98	115	62.5	13.9	23	36	159
Lowest	80	72	70	54	57.9	10.7	0	25	149

- 1. Grain yield in the Lamont soft white winter wheat trial averaged 83 bu/ac, 11 bu/ac lower than the 5-year average yield. The Lamont nursery was located about 6 miles southeast of Lamont, WA (Gil White, cooperator).
- 2. This nursery was seeded on 8 September, 2008 following summer fallow. Seed was placed at an 85#/acre seeding rate using a hoe plot drill set on 9-inch spacing. Base fertilizer was 70#N, and 10#S applied in the fall. Seeding conditions produced good stands that overwintered well. Alpha lattice experimental designs improved variation allocation during statistical analysis and the CV by 77% compared to previously used designs. This site was highly variable and much of it was accounted for by the lattice design, but the CV of 13% is still higher than desired. This also makes the LSD value of 15 bu/ac higher than desired and reflects the variability.
- 3. Yields ranged from 54 bu/ac to 115 bu/ac. Yield values within the LSD range of the highest yield are shown in bold and included six cultivars. Club variety names are designated by italicized print and club varieties performed well with three club cultivars as the top yielders.
- 4. Test weights were good with an average of 60.4 lb/bu. Grain protein averaged 12.3% with a range of 10.7 to 13.9%. These protein values are higher than desired and reflect the high fertility level at the site. The average plant height was 30 inches.