

2010 WSU EXTENSION IRRIGATED HARD WINTER WHEAT NURSERY AT MOSES LAKE, WA.

Class	Variety Name				2010					
		5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	LODGING (%)	PLANT HT	HEAD DATE
HRW	ML9W05-2501				191	61.6	11.6	0	43	147
HDWH	OR2080229H				190	60.6	11.8	10	43	152
HRW	ML9W05-2506		181	186	177	61.5	12.0	7	43	148
HRW	ESPERIA			174	176	59.5	12.7	2	36	147
HRW	WHETSTONE	169	178	181	168	60.3	13.1	0	42	147
HDWH	OR2080156H				168	58.8	13.1	2	41	151
SWH	VCF094				167	59.7	12.4	7	50	150
SWH	VCF092				166	59.3	11.9	17	41	148
HDWH	UI SILVER				165	60.7	11.7	85	42	149
SWH	VCF093				164	57.0	12.1	17	40	149
HRW	EDDY	156	166	169	163	61.5	12.0	3	41	148
SWH	STEPHENS	164	177	177	161	55.9	12.2	37	40	149
HRW	WB-RIMROCK		187	184	160	58.5	12.2	28	41	147
HRW	ACS 55017				159	59.3	12.9	57	38	148
HRW	NORWEST 553	155	163	153	156	58.9	12.6	0	36	151
HRW	AGRIPRO PALADIN	153	157	160	154	60.5	12.5	13	40	149
HRW	PEREGRINE			163	152	61.6	12.3	7	49	147
HRW	BZW05-2216				152	59.3	13.2	3	42	148
HRW	ACCIPITER		168	171	151	59.4	12.5	3	44	149
HRW	BOUNDARY	160	159	167	149	58.1	12.4	60	39	152
HDWH	UICF GRACE		155	171	147	60.6	13.2	20	49	148
SWH	VCF9001				136	57.0	12.4	91	43	152
SWH	VCF0916				136	55.5	11.4	93	44	154
SWH	VCF095				131	55.7	12.1	52	41	150
HRW	BAUERMEISTER	142	147	145	129	55.2	13.2	92	42	153
SRW	DH99-55-2			148	117	55.8	11.5	66	44	151
SWH	VCF0913				116	55.0	13.6	99	46	154
HRW	DECLO	137	142	135	113	56.4	12.9	0	39	149
HRS	UI WINCHESTER				109	60.8	14.6	13	38	148
HRW	IDO683				94	60.9	13.5	88	42	150
	C.V. %	7	7	7	9	1.4	3.3	58	4	1
	LSD '@.10'	6	8	11	18	1.9	0.6	26	2	1
	Average	154	165	166	151	58.8	12.5	32	42	150
	Highest	169	187	186	191	61.6	14.6	99	50	154
	Lowest	137	142	135	94	55.0	11.4	0	36	147

Moses Lake Irrigated Hard Winter Wheat – Preliminary Data

1. Grain yield in the Moses Lake irrigated hard winter wheat trial averaged 151 bushels/acre, 3 bushels/acre lower than the 5-year average. The Moses Lake nursery was located about four miles southeast of Moses Lake, WA.
2. This nursery was seeded on 16 October, 2009 following a potato crop. Seed was placed at an 85#/acre seeding rate using a double-disc plot drill set on 6-inch spacing. Base fertilizer was 100#N and a spring soil test analysis showed an additional 411#N available that should have been adequate for hard protein levels at projected average yield levels. Fall seeding conditions were good and plant stands overwintered well except for UI Winchester a hard red spring variety.
3. Yields ranged from 94 bu/ac to 191 bu/ac. All yield values within the 10% LSD range of the highest yield are shown in bold and 4 of the 30 entries are in the top bolded group. Stripe rust occurred at moderate levels at this location and there was no fungicide applied. The lattice RCBD experimental design did not improve variation, thus the statistical analysis was conducted as a RCBD.
4. Test weights averaged 58.8 lb/bu with a range of 55.0 to 61.6 lb/bu. Lodging occurred in most varieties and ranged from 0 to 99%.
5. Grain protein averaged 12.5% with a range of 11.4 to 14.6%. Plant height averaged 42 inches.