

Hard Red Winter Wheat - 2005
Langdon

Variety	Days to Head	Plant Height	Winter Survial	Test Weight	Protein %	Grain Yield			Average Yield	
						2003	2004	2005	2 year	3 year
	June	in	%	lbs/bu	%	-----bu/a-----				
Arapahoe	22	44	98	55.2	13.4	94.4	75.8	33.0	54.4	67.7
CDC Buteo	23	40	97	55.1	12.1	--	--	27.5	--	--
CDC Falcon	22	33	97	51.2	13.0	97.6	81.9	26.0	54.0	68.5
Expedition	18	37	96	55.5	11.8	100.6	91.0	39.6	65.3	77.1
Harding	22	40	99	55.4	13.8	92.9	86.7	32.7	59.7	70.8
Jagalene	21	34	95	49.6	13.4	99.2	79.0	17.2	48.1	65.1
Jerry	23	40	94	55.0	13.2	95.9	90.4	34.0	62.2	73.4
McClintock	17	40	97	54.8	13.2	98.0	68.3	27.3	47.8	64.5
Millennium	21	38	97	55.9	12.4	100.6	91.5	30.9	61.2	74.3
NuSky	23	38	97	51.3	13.3	--	38.8	16.6	27.7	--
Ransom	22	41	97	54.8	13.3	93.3	75.3	34.3	54.8	67.6
Roughrider	24	44	98	55.6	14.4	90.3	64.0	26.0	45.0	60.1
Wahoo	20	34	95	53.7	12.8	99.8	84.9	36.7	60.8	73.8
Wendy	18	33	93	54.7	13.4	--	78.9	29.1	54.0	--
Wesley	19	32	95	54.8	12.8	101.2	80.0	38.0	59.0	73.1
Yellowstone	24	35	93	47.8	13.5	--	56.0	16.7	36.4	--
Capo	25	37	74	49.7	14.6	--	--	19.6	--	--
Fridolin	25	38	75	49.1	14.5	--	--	21.0	--	--
Josef	24	33	84	53.2	15.5	--	--	21.2	--	--
Trial Mean	22	38	94	53.4	13.3	95.5	74.1	28.1	--	--
C.V. %	10.4	3.5	6.0	1.7	3.2	6.8	8.5	10.4	--	--
LSD 5%	4.1	1.9	8.0	1.3	0.6	9.1	8.9	4.1	--	--

No lodging in trial.

Planting Date: September 10, 2004. Trial seeded into stubble.

Harvest Date: August 5, 2005

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Variety	Disease				
	Foliar Necrosis	Leaf Rust	FHB Field Severity	FDK	DON
	%	%	%	%	ppm
Arapahoe	14	2	3	7	15.3
CDC Buteo	34	3	3	11	32.0
CDC Falcon	38	2	5	11	31.2
Expedition	60	8	2	4	8.2
Harding	13	1	5	10	26.3
Jagalene	81	4	7	19	35.0
Jerry	12	1	5	9	22.1
McClintock	4	2	5	11	19.2
Millennium	15	1	4	10	20.1
NuSky	36	10	9	15	35.5
Ransom	40	0	4	7	22.9
Roughrider	27	6	3	6	12.6
Wahoo	26	2	7	7	15.6
Wendy	50	5	9	6	10.3
Wesley	14	3	9	8	18.0
Yellowstone	46	4	13	14	38.1
Capo	18	1	7	9	15.7
Fridolin	19	1	5	7	17.3
Josef	34	6	8	8	17.9
Trial Mean	28	3	7	9	21.8
C.V. %	59.5	86.1	48.6	31.5	
LSD 5%	23.3	3.8	5.5	4.1	

Foliar necrosis and leaf rust - % of flag at soft dough.

Field Severity=(Incidence x Head Severity)

FDK=Fusarium damaged kernels, tombstones.