

North Dakota State University * Dickinson Research Extension Center
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Performance of five hard red spring (HRS) wheat cultivars following fallow, oat, and canola at Beulah, Hannover, and Glen Ullin, North Dakota.

	-----Beulah-----					-----Hannover-----					-----Glen Ullin-----				
	height	yield	TW	protein	kernel weight	height	yield	TW	protein	kernel weight	height	yield	TW	protein	kernel weight
Crop rotation (R)	-in-	-bu/ac-	lb/bu-	-%-	kernel/lb	-in-	-bu/ac-	lb/bu-	-%-	kernel/lb	-in-	-bu/ac-	lb/bu-	-%-	kernel/lb
HRS wht-fallow	30	43.6	60.6	14.5	15,561	31	47.8	59.6	16.0	15,662	33	65.7	60.7	15.8	14,986
HRS wht-durum-oat	31	45.0	60.0	13.4	16,257	32	47.8	59.6	15.3	15,831	34	65.6	60.6	14.4	14,800
HRS wht-pea-can	32	45.4	60.9	12.8	15,330	32	51.0	60.3	14.7	15,323	33	65.4	61.5	14.5	14,342
HRS wheat cultivar (C)															
Alsen	29	42.8	61.4	14.3	15,314	31	47.2	60.4	15.5	15,347	32	62.7	61.5	15.3	14,446
McKenzie	34	42.0	60.2	13.2	16,974	35	49.0	60.1	15.4	16,106	37	64.8	61.5	14.8	15,399
Oxen	29	46.7	58.9	13.3	15,777	30	44.8	58.4	15.3	15,763	30	65.4	58.6	14.9	15,041
Parshall	34	45.1	61.1	13.7	15,745	33	48.6	61.2	15.3	15,666	37	64.5	62.2	14.8	14,597
Reeder	29	46.8	60.8	13.2	14,770	30	54.6	58.9	15.2	15,144	31	70.3	60.8	14.7	14,063
Mean	31	44.7	60.5	13.6	15,716	32	45.8	59.8	15.3	15,605	33	65.5	60.9	14.9	14,709
R	NS	NS	*	*	*	NS	NS	NS	*	NS	NS	NS	*	*	*
C	*	NS	*	NS	*	*	*	*	NS	NS	*	*	*	NS	*
R x C	NS	NS	NS	NS	NS	NS	NS	NS	*	NS	NS	NS	NS	NS	NS

Additional information about this or other crop rotation studies coordinated by the NDSU Dickinson Research Extension Center can be obtained by contacting Dr. Patrick Carr at 701-483-2581 or by email pcarr@ndsu.nodak.edu.

NS = not significant; * = significant at P<0.05.

Planting Date: May 1, 2001 (Hannover, Beulah) May 2, 2001 (Glen Ullin)

Harvest Date: August 21, 2001 (Hannover) August 22, 2001 (Glen Ullin) August 15, 2001 (Beulah)

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