## 2008 VARIETAL RECOMMENDATION

## Carter

WestBred, LLC request that 'Carter' hard red winter wheat be considered for "Variety Recommendation in the State of Montana".

A motion that Carter be recommended as a hard red winter wheat for Districts 2, 3, 4, 5 and 6.

Carter is a hard red winter wheat selected from the progeny of the cross Jagger x Rampart. PVP will be applied for.

Over a 3 year period, 24 station years of data, Carter has performed as well as or slightly better than the check varieties except CDC Falcon (Table 1). The average test weight is greater or equal to check varieties. (Table 1). Percent protein is equal to Genou, slightly less than Rampart, but greater than CDC Falcon (Table 1). Carter is a semidwarf variety with its plant height being less than all of the check varieties (Table 2). The average heading date of Carter is similar to the check varieties CDC Falcon and Genou and 1 day earlier than Rampart (Table 2). Carter is a semi-solid variety with tolerance to the wheat stem sawfly (Tables 3, 4 and 5) Individual location data are on Tables 7 through 14.

Disease data from Kalispell and Bozeman show Carter to have moderate resistance to stripe rust (Table 5).

Winter survival and winterkill data show Carter to have better survival than Genou and Rampart, but not as winter hardy as CDC Falcon (Table 6).

Milling and Baking data from MSU 2005-2006 show Carter to be an acceptable quality wheat (Table 15 and 16).

Submitted by Craig Cook, WestBred, LLC

Tab	ole 1. 2004-2007 Intrastate V	Vinter Whe	at Test (Ex	p. 3501): C	ombined	Locations Y	′ield, Test W	leight and	I Protein	
	Cultivar/Line	Grain Y	ield (bushels	s/acre) <sup>1/</sup>	Te	est Weight (Ib	o/bu)		Protein (%	)
		2007		2005-2007	2007	2006-2007	2005-2007	2007	2006-2007	2005-2007
	location-years	8	16	24	8	16	24	8	16	24
#	Carter	78.0	67.3	67.2	61.2	61.4	61.1	13.0	13.3	13.1
	CDC Falcon	81.5	72.5	71.0	60.3	61.2	60.6	12.4	12.2	12.3
	Genou	71.1	65.9	64.8	60.5	61.4	60.9	13.2	13.3	13.3
	Rampart	66.4	62.6	62.7	60.1	61.1	61.1	13.7	13.9	13.9
	Average***	74.0	67.3	66.5	60.4	61.3	60.9	12.8	12.9	12.9
	LSD (0.05)	6.4	4.5	4.8	1.0	0.6	0.9	0.6	0.4	0.4
	C.V.	8.8	9.6	12.6	1.7	1.3	2.6	4.4	4.9	5.0
+ =	new for 2007, # = paid entry			<sup>17</sup> LSD for Y	ield based	on test mea	ns for each y	ear.		
** =	indicates highest value within	n a column								
* =	indicates varieties with values	s equal to h	ighest variet	y within a co	lumn base	d on Fisher's	protected L	SD (p=0.0	5)	
***	Averages and statistics are ba	ased on the	entire Intras	state trial (49	entries)					

Tab	le 2. 2004-2007 Intrastate Wi	nter Whea	t Test (Exp.	3501): Co	mbined Lo	cations Hea	ading Date, I	leight, and Lodg	jing	
	Cultivar/Line	Hea	ding Date (J	ulian)	Р	lant Height (	in)	Lodging	Score (0-9)	
		2007	2006-2007	2005-2007	2007	2006-2007	2005-2007	2005	2004-2005	
#	Carter	158.9	156.7	158.5	31.7	29.2	30.0	0.1		
	CDC Falcon	158.3	156.2	158.1	32.6	29.7	30.5	0.0	0.0	
	Genou	157.9	156.4	158.7	38.6	35.8	36.3	0.8	0.7	
	Rampart	159.7	157.7	159.6	38.5	35.4	36.1	3.9	2.6	
	Average***	158.7	156.7	158.5	36.8	34.2	34.8	0.9	0.9	
	LSD (0.05)	1.3	0.9	0.7	1.6	1.1	0.8	2.1	ns	
	C.V.	0.9	0.8	0.7	4.5	4.6	4.2	119	146	
+ =	new for 2007, # = paid entry									
** = indicates highest value within a column										
* =	indicates varieties with values	equal to hig	hest variety	within a colu	imn based o	on Fisher's p	protected LSE	D (p=0.05)		
	verages and statistics are bas									

Tal	ole 3. 2006 Intrastate Winter	Wheat Test (Exp.	35): Multi-Loca	tion Stem Solidn	ess (5-25)						
	Cultivar/Line	Bozeman	Havre	Conrad	3 Loc						
	Rampart	22.7**	22.3**	23.1**	22.7**						
	Genou	19.9	18.8	19.5	19.4						
#	Carter	14.2	14.4	14.5	14.4						
	Ledger	11.5	13.1	10.3	11.6						
	Average***	15.6	15.7	15.5	15.6						
	LSD (0.05)	2.4	2.3	2.2	1.3						
	C.V. (%)	8.9	8.6	8.3	8.8						
	P-value (Varieties)	<.0001	<.0001	<.0001	<.0001						
Loc	cations were non-significant (P	= .1804)									
+ =	new for 2006 # = paid entry										
** =	indicates highest value within	a column									
* = indicates varieties with values equal to highest variety within a column based on Fisher's protected LSD (p=0.05)											
***	Averages and statistics are ba	sed on 11 entries	-		•						

Table	4. 2007 Intrastate Winter Wheat	Test (Exp. 35	i): Multi-Lo	cation Stem S	Solidness (5	-25)	
	Cultivar/Line	Bozeman	Havre	Moccasin	Conrad	4 Loc	
	Rampart	19.7**	24.2**	21.6**	24.3**	22.4**	
	Genou	16.8	21.3	20.8	18.2	19.3	
#	Carter (BZ9W02-2060)	12.6	16.3	15.5	15.7	15.0	
	CDC Falcon	6.3	7.3	7.3	7.2	7.0	
	Average***	14.5	18.5	16.5	17.0	16.6	
	LSD (0.05)	2.4	2.1	1.6	1.7	1.0	
	C.V. (%)	10.0	6.7	5.8	5.9	7.1	
	P-value (Varieties)	<.0001	<.0001	<.0001	<.0001	<.0001	
	% stems with tunneling	2.6	29.2	2.1	23.1		
Locatio	ons were significant (P= <.0001)						
+ = ne	w for 2007, # = paid entry						
** = ind	dicates highest value within a colun	nn					
* = inc	dicates varieties with values equal t	o highest varie	ety within a c	olumn based o	n Fisher's pro	otected LSD (	p=0.05)
*** Ave	erages and statistics are based on	13 entries					

Cultivar/Line	Sa	awfly Cutting (%) Ha	avre	Stripe Rust (%) Bozeman and Kalis						
	2007	2006-2007	2005-2007	2007	2006-2007					
location-years	1	2	3	2	4					
# Carter	13.9	18.2	18.1	3.4	18.0					
CDC Falcon	28.2	27.6	28.5	9.5	29.2					
Genou	7.9	8.1	11.4	12.6	30.2					
Rampart	0.0	1.4	3.5	0.0	5.7					
Average***	26.7	25.6	26.7	9.6	20.3					
LSD (0.05)	19.5	18.4	14.2	16.0	17.9					
C.V.	42.1	35.3	32.4	83	63					
+ = new for 2007, # = paid entry										
** = indicates highest value within a column										
* = indicates varieties with values e	qual to highest	variety within a colu	imn based on Fis	her's protected LSD	(p=0.05)					
** Averages and statistics are base	ed on the entire I	Intrastate trial (49 e	entries)							

Table 6. 2003-2006 Intrastate W	/inter Wheat	Test (Exp. 3	501): Combi	ned Locatio	ns Winter S	Survival and a	ssocoated Yi	eld		
	Locations: N	Villiston (20	03-2007), Sidr	ney (2003-20	06), Conrad	and Moccasi	n in 2004 = 1 <sup>.</sup>	l locations		
Cultivar/Line	Wi	nter Survival	(%)	Yield	d <sup>1/</sup> under Wii	nterkill				
	2007	2006	2005-2006	2007	2006	2005-2006				
location-years	1	3	5	1	3	5				
# Carter	61.7	50.6	62.7	66.2	46.1	49.8				
CDC Falcon	75.0	67.0*	74.8*	74.9*	57.7*	58.1*				
Genou	58.3	52.1	61.8	57.4	45.3	46.4				
Rampart	40.0	38.3	48.6	51.1	40.3	42.8				
Average***	59.0	55.5	62.4	63.1	49.5	49.9				
LSD (0.05)	13.8	11.3	9.2	9.2	7.2	4.9				
C.V.	14.5	12.4	11.8	9.0	8.9	7.8				
+ = new for 2007, # = paid entry										
* = indicates highest value within	a column									
* = indicates varieties with values	equal to high	nest variety w	ithin a column	based on Fis	sher's protect	ted LSD (p=0.0	5)			
* Averages and statistics are based on the entire Intrastate trial (49 entries)										

Tab	ole 7. 2004-2007 Intrastate V	Vinter Whe	at Test (Ex	p. 3518): C	onrad Yiel	ld, Test Weig	ght and Prot	tein			
	Cultivar/Line	Grain Y	ield (bushels	s/acre) <sup>1/</sup>	Te	st Weight (lb	/bu)		Protein (%)		
		2007	2006-2007	2005-2007	2007	2006-2007	2005-2007	2007	2006-2007	2005-2007	
			2 yr	3 yr		2 yr	3 yr		2 yr	3 yr	
#	Carter	60.9*	65.2*	70.7	62.6	62.8	63.1	13.1	13.2	13.4	
	CDC Falcon	60.9*	70.7*	75.2*	62.0	62.9*	63.1	12.3	12.4	12.5	
	Genou	56.8	66.9*	73.3	60.1	61.8	62.7	12.8	13.2	12.9	
	Rampart	49.6	60.4	63.5	60.0	62.2	62.5	13.7	14.1*	14.2**	
	Average***	56.1	64.8	71.1	61.0	62.1	62.5	12.8	13.0	13.1	
	LSD (0.05)	6.6	10.1	8.0		1.9	1.2		0.8	0.6	
	C.V.	6.8	7.6	6.8		1.5	1.2		3.1	2.9	
+ =	new for 2007, # = paid entry			<sup>1/</sup> LSD for Y	ield based	on test mear	ns for each y	ear.			
	indicates highest value within	a column								1	
* =	indicates varieties with values	s equal to h	ighest variet	y within a co	lumn base	d on Fisher's	protected L	SD (p=0.05	5)		
***	* Averages and statistics are based on the entire Intrastate trial (49 entries)										

Tab	ole 8. 2004-2007 Intrastate V	Vinter Whe	at Test (Ex	р. 3502): Н	avre Yield	, Test Weigl	nt and Prote	in		
	Cultivar/Line	Grain Y	ield (bushels	s/acre) <sup>1/</sup>	Те	st Weight (Ib	/bu)		Protein (%)	
		2007	2006-2007	2005-2007	2007	2006-2007	2005-2007	2007	2006-2007	2005-2007
			2 yr	3 yr		2 yr	3 yr		2 yr	3 yr
#	Carter	56.6	54.5	56.6	59.3	61.4	60.8	15.2	14.5	13.6
	CDC Falcon	60.1	59.4	60.8	59.1	61.2	60.9	14.2	13.3	12.7
	Genou	56.7	55.3	57.7	59.4	61.4	60.8	14.8	14.3	13.7
	Rampart	55.0	53.5	55.4	58.5	61.1	60.4	15.5	14.9	14.5*
	Average***	54.8	54.9	55.2	59.6	61.2	61.1	14.4	13.9	13.4
	LSD (0.05)	8.0	ns	ns	1.0	1.2	0.8		0.8	0.9
	C.V.	8.3	7.7	8.7	0.9	1.0	0.8		2.7	4.3
+ =	new for 2007, # = paid entry			<sup>1/</sup> LSD for Y	ield based	on test mear	ns for each y	ear.		
** =	indicates highest value within	a column								
* =	indicates varieties with values	s equal to h	ighest variet	y within a co	lumn base	d on Fisher's	protected L	SD (p=0.05	; ;)	
***	Averages and statistics are ba	ased on the	entire Intras	state trial (49	entries)					

Tak	ole 9. 2004-2007 Intrastate V	Vinter Whe	at Test (Ex	p. 3507): N	loccasin Y	ield, Test W	eight and P	rotein			
	Cultivar/Line	Grain Y	ield (bushels	s/acre) <sup>1/</sup>	Те	st Weight (Ib	/bu)		Protein (%)		
		2007	2006-2007	2005-2007	2007	2006-2007	2005-2007	2007	2006-2007	2005-2007	
			2 yr	3 yr		2 yr	3 yr		2 yr	3 yr	
#	Carter	75.2	62.2	54.2	63.9*	61.4	60.3	9.9	11.7	13.2	
	CDC Falcon	74.6	64.2*	55.8	62.4	61.2	60.1	9.9	10.9	12.7	
	Genou	72.4	62.2	52.7	62.9	61.4	60.3	9.5	10.9	13.0	
	Rampart	60.4	52.7	46.7	61.2	61.1	59.9	11.1	11.4	13.7	
	Average***	72.4	62.5	55.2	61.9	62.4	60.4	10.0	11.2	12.9	
	LSD (0.05)	8.5	10.7	7.1	0.9	1.7	1.4		ns	ns	
	C.V.	6.8	8.4	7.8	0.7	1.3	1.4		4.4	6.7	
+ =	new for 2007, # = paid entry			<sup>1/</sup> LSD for Y	ield based	on test mear	ns for each y	ear.			
** =	** = indicates highest value within a column										
* =	indicates varieties with values	s equal to h	ighest variet	y within a co	lumn base	d on Fisher's	protected L	SD (p=0.05	5)		
***	Averages and statistics are ba	sed on the	entire Intras	state trial (49	entries)						

Tab	ole 10. 2004-2007 Intrastate	Winter Wh	neat Test (E	xp. 3503):	Sidney Yie	eld, Test We	ight and Pro	otein		
	Cultivar/Line	Grain Y	ield (bushels	s/acre) <sup>1/</sup>	Te	est Weight (Ib	)/bu)		Protein (%)	)
		2007	2006-2007	2005-2007	2007	2006-2007	2005-2007	2007	2006-2007	2005-2007
			2 yr	3 yr		2 yr	3 yr		2 yr	3 yr
#	Carter	71.3*	57.1	54.3	61.4	61.4	61.6	11.7	12.6	11.6
	CDC Falcon	71.1*	66.4	61.5	60.4	61.0	61.3	11.1	11.4	10.9
	Genou	55.1	53.8	49.5	58.8	60.0	60.8	13.6	14.3	12.6
	Rampart	53.5	49.4	46.2	60.5	60.4	60.9	13.3	13.3	12.4
	Average***	60.4	55.7	51.8	60.2	60.6	61.0	11.9	12.5	11.6
	LSD (0.05)	7.8	10.0	7.4	1.4	1.3	0.9		1.6	1.4
	C.V.	7.6	8.8	8.7	1.3	1.0	0.9		6.4	7.2
+ =	new for 2007, # = paid entry			<sup>17</sup> LSD for Y	ield based	on test mear	ns for each y	ear.		
** =	indicates highest value within	n a column								
* =	indicates varieties with values	s equal to h	ighest variel	ty within a co	lumn base	d on Fisher's	protected L	SD (p=0.0	5)	
***	Averages and statistics are ba	ased on the	entire Intras	state trial (49	entries)					

Tak	ole 11. 2004-2007 Intrastate	Winter Wh	eat Test (E	хр. 3501):	Bozeman \	Yield, Test V	Veight and I	Protein		
	Cultivar/Line	Grain Y	ield (bushels	s/acre) <sup>1/</sup>	Те	st Weight (Ib	/bu)	Protein (%)		
		2007 2006-2007 2005-2007 2007 2006-2007 2005-2007				2007	2006-2007	2005-2007		
			2 yr	3 yr		2 yr	3 yr		2 yr	3 yr
#	Carter	106.5	90.1	96.0	61.6	61.5	60.4	12.6	12.0	13.1
	CDC Falcon	111.6	94.6*	95.9	61.7	61.7	60.3	11.6	11.3	12.3
	Genou	96.7	83.9	87.2	61.3	62.1	61.4	13.2	12.3	13.3
	Rampart	97.0	88.7	91.2	61.4	62.3	61.7	14.3	13.2	13.9
	Average***	104.5	91.4	94.4	61.3	62.0	61.3	12.8	12.0	12.8
	LSD (0.05)	11.0	13.8	9.3	0.9	1.0	0.9		0.8	0.7
	C.V.	6.1	9.6	6.0	0.8	0.8	0.9		3.4	3.5
+ =	new for 2007, # = paid entry			<sup>17</sup> LSD for Y	ield based	on test mear	ns for each y	ear.		
** =	indicates highest value within	a column					_			
* =	indicates varieties with values	s equal to h	ighest variet	y within a co	lumn base	d on Fisher's	protected L	SD (p=0.05	5)	
***	Averages and statistics are ba	ased on the	entire Intras	tate trial (49	entries)					

Tak	ole 12. 2004-2007 Intrastate	Winter Wh	eat Test (Ex	(p. 3504):     \	Williston Y	′ield, Test W	leight and P	rotein		
	Cultivar/Line	Grain Y	ield (bushels	s/acre) <sup>1/</sup>	Τe	est Weight (Ib	o/bu)		)	
		2007	2006-2007	2005-2007	2007	2006-2007	2005-2007	2007	2006-2007	2005-2007
			2 yr	3 yr		2 yr	3 yr		2 yr	3 yr
#	Carter	66.2	47.7	52.5	58.7	58.0	59.3	14.8	15.0	14.4
	CDC Falcon	74.9	55.8	59.0	58.3	57.8	59.1	13.9	13.8	13.3
	Genou	57.4	41.7	46.2	59.7	58.2	59.5	14.6	15.1	14.6
	Rampart	51.1	37.9	43.0	59.5	58.0	59.0	15.3	15.6	15.2
	Average***	63.1	48.4	51.1	59.2	58.6	59.6	14.0	14.2	13.8
	LSD (0.05)	9.2	8.9	6.5	1.2	2.0	1.3		0.8	0.8
	C.V.	9.0	9.0	7.8	1.0	1.7	1.3		2.7	3.4
+ =	new for 2007, # = paid entry			<sup>1/</sup> LSD for Y	ield based	on test mea	ns for each y	ear.		
** =	indicates highest value within	a column								
* =	indicates varieties with values	equal to h	ighest variet	y within a co	lumn base	d on Fisher's	protected LS	SD (p=0.05	5)	
***	Averages and statistics are ba	sed on the	entire Intras	tate trial (49	entries)		-		-	

Tab	ole 13. 2004-2007 Intrastate	Winter Wh	eat Test (Ex	(p. 3505): I	Kalispell Y	′ield, Test W	eight and P	rotein			
	Cultivar/Line	Grain Y	ield (bushels	s/acre) <sup>1/</sup>	Te	est Weight (Ib	/bu)		Protein (%)		
		2007	2006-2007	2005-2007	2007	2006-2007	2005-2007	2007	2006-2007	2005-2007	
			2 yr	3 yr		2 yr	3 yr		2 yr	3 yr	
#	Carter	99.2	79.7	75.8	58.7	62.2	61.8	12.8	13.2	12.8	
	CDC Falcon	104.1	80.5	77.0	57.5	62.0	59.4	12.7	12.3	12.0	
	Genou	86.8	77.1	74.2	59.5	63.0	60.5	12.9	12.7	12.7	
	Rampart	81.6	77.8	83.0	59.3	62.8	63.1	13.8	13.8	13.4	
	Average***	91.1	75.6	74.5	59.2	62.3	60.0	12.7	12.8	12.6	
	LSD (0.05)	10.2	16.4	25.5		2.1	ns		1.1	0.9	
	C.V.	6.9	10.7	20.9		1.6	6.3		4.4	4.4	
+ =	new for 2007, # = paid entry			<sup>1/</sup> LSD for Y	ield based	on test mear	ns for each y	ear.			
** =	indicates highest value within	a column									
* =	indicates varieties with values	equal to hi	ighest variet	y within a co	lumn base	d on Fisher's	protected LS	SD (p=0.05	<u>;)</u>		
***	Averages and statistics are ba	sed on the	entire Intras	tate trial (49	entries)						

Tab	ole 14. 2004-2007 Intrastate	Winter W	neat Test (Ex	(p. 3508):	Huntley Yi	eld, Test We	eight and Pr	otein		
	Cultivar/Line	Grain '	Yield (bushel:	s/acre) <sup>1/</sup>	Te	st Weight (Ib	/bu)		Protein (%)	
		2007	2006-2007	2005-2007	2007	2006-2007 2005-2007		2007	2006-2007	2005-2007
			2 yr	3 yr		2 yr	3 yr		2 yr	3 yr
#	Carter	86.0	81.6	77.5	61.0	61.7	61.6	13.7	14.4	13.2
	CDC Falcon	88.3	88.4	83.1	60.8	60.8	60.5	12.9	12.2	12.2
	Genou	89.1	86.2	77.4	61.3	62.6	61.5 13.		13.9	13.5
	Rampart	83.0	80.4	72.7	60.0	61.1	61.0	14.4	14.9	13.8
	Average***	89.1	84.8	78.9	60.8	61.2	61.0	13.5	13.5	12.7
	LSD (0.05)	9.1	9.1	7.5	1.0	2.0	1.5		1.6	1.1
	C.V.	6.0	5.3	5.8	0.9	1.6	1.5		5.9	5.5
+ =	new for 2007, # = paid entry			<sup>1/</sup> LSD for Y	ield based	on test mear	ns for each y	ear.		
** =	indicates highest value within	a column								
* =	indicates varieties with values	s equal to l	nighest variet	y within a co	lumn base	d on Fisher's	protected LS	SD (p=0.05	5)	
***	Averages and statistics are ba	ised on the	e entire Intras	tate trial (49	entries)					

	Bozem	an, Havr	e, Huntl	ey, Con	rad												
							Flour C	olor						T	est Bak	(e	
VARIETY	CLASS	Single Kernel Hardness	Wheat protein, % (12 m.b.)	Flour Yield %	Flour Protein%(14%m.b)	L*brightness	A*green-red	B*blue-yellow	Wheat Ash, %	Flour Ash, %	Tolerance	Mixing Time Min	Water Absorption%	Mixing Time Min	Water Absoption%	Loaf Volume	Crumb Grain Score
Carter	HRW	86.8**	12.7	69.2	10.9	90.0	-1.23	10.90	1.54	0.40	4.3	5.9	60.8*	11.8	74.4*	1014*	3.3
CDC Falcon	HRW	72.9	12.6	65.4	11.0	90.4	-0.91	9.50	1.44*	0.42	4.3	4.6	59.4	7.8	70.1	1038*	4.0
Genou	HRW	82.9*	13.2*	70.3	11.5	90.8	-1.30	10.15	1.56	0.38	4.0	4.6	60.9*	9.2	71.4	1078**	4.0
Rampart	HRW	77.6	13.9*	69.7	12.2*	90.3	-1.46	11.79	1.52*	0.40	4.3	4.4	62.0*	10.1	75.0**	1060*	4.0
Average***		77.9	12.7	68.8	11.0	90.5	-1.28	10.79	1.55	0.39	4.0	4.7	60.1	7.4	71.3	1009	3.7
LSD (0.05)		5.5	1.0	1.3	0.9	0.5	0.14	0.41	0.12	0.03	0.9	1.0	1.9	2.1	2.4	72	ns
C.V.		5.0	5.8	1.3	6.0	0.3	7.5	2.7	5.5	4.8	15.4	14.6	2.3	20.2	2.4	5.1	13.1
P-Value		<.0001	< 0001	<.0001	<.0001	<.0001	< 0001	< 0001	0.0266	< 0001	<.0001	< 0001	<.0001	<.0001	<.0001	<.0001	0 349

	Havre,	Noccasi	n, Huntle	ey, Conr	ad													
								Flour C	olor			Μ	lixograp	bh	Т	'est Bak	е	
VARIETY	CLASS	Odd	Single Kernel Hardness	Wheat protein, % (12 m.b.)	Flour Yield %	Flour Protein%(14%m.b)	L*brightness	A*green-red	B*blue-yellow	Wheat Ash, %	Flour Ash, %	Tolerance	Mixing Time Min	Water Absorption%	Mixing Time Min	Water Absoption%	Loaf Volume	Crumb Grain Score
Carter	HRW	0.572	86.2	13.6*	70.7	12.2*	89.8	-1.26	11.7	1.37*	0.45	4.0	5.8	65.1**	10.4	76.4**	1076*	3.8
CDC Falcon	HRW	0.829	71.9	12.0	67.0	10.6	90.4	-1.04	9.6	1.34*	0.45	2.8	4.4	59.5	6.6	69.6	976	3.8
Genou	HRW	0.772	79.9	13.3*	71.0*	12.2*	90.5	-1.30	10.3	1.36*	0.43	3.5	4.1	62.7	6.7	72.5	1073*	4.0
Rampart	HRW	0.624	78.8	13.9*	70.4	12.6*	90.0	-1.58	12.1	1.37*	0.45	2.8	4.3	63.7*	8.6	74.5*	1064*	4.0
Average***		0.604	76.1	12.9	69.5	11.5	90.3	-1.35	11.1	1.37	0.43	3.0	4.1	61.4	5.9	71.2	991	3.7
LSD (0.05)		0.148	6.6	1.2	1.3	1.0	0.4	0.11	0.50	0.12	0.02	0.9	0.7	2.1	1.8	2.3	71	0.6
C.V.		17.4	6.1	6.8	1.3	6.1	0.3	5.8	3.4	6.0	2.7	22.6	13.1	2.5	21.1	2.4	5.1	10.6
P-Value		<.0001	<.0001	0.0057	<.0001	< 0001	0 0001	< 0001	< 0001	0.0381	<.0001	< 0001	<.0001	<.0001	<.0001	<.0001	<.0001	<.000