

**NDSU Carrington Research Extension Center  
2007 Variety Trial Data**

**Warm-Season Forages** **Carrington**

Variety	Type	Harvest 1		-- Yield --				Quality - Harvest 1											
		Plant Height -- inch --	Plant Lodge 0-9	Harvest Moisture %	Dry 15%	Harvest wt.	Days to Harvest	CP	ADF	NDF	TDN	RFV	Ca	Phos	Mg	Pot	Sulfur		
										----- % DM -----									
2700	triticale	34.5	.	0.0	74.3	1.8	1.5	30-Jul	55	15.3	34.6	57.3	61.9	100.5	0.42	0.31	0.17	2.56	0.23
Cerise	red proso millet	33.3	.	0.0	75.0	1.9	1.6	27-Jul	52	10.3	29.7	53.2	65.8	115.3	0.68	0.25	0.29	1.50	0.20
Everleaf 126	forage oat	30.0	.	0.0	80.5	2.3	2.0	7-Aug	63	14.4	32.9	54.9	63.3	107.3	0.68	0.31	0.23	2.51	0.29
Golden German	german millet	43.3	.	0.0	79.0	3.9	3.4	14-Aug	70	10.0	40.4	63.7	57.4	83.7	0.45	0.30	0.22	2.83	0.24
Haybet	forage barley	27.1	.	0.0	70.5	1.7	1.5	30-Jul	55	13.8	29.7	51.5	65.8	118.9	0.56	0.29	0.17	2.12	0.23
Common	japanese millet	41.5	.	0.0	81.0	2.7	2.4	7-Aug	63	12.2	35.9	58.6	61.0	96.9	0.70	0.30	0.32	2.51	0.28
Manta	siberian millet	35.8	.	0.0	74.8	2.5	2.2	30-Jul	55	12.2	37.5	60.9	59.7	91.4	0.53	0.31	0.24	2.69	0.27
Martin/common	red milo/soybean	49.0	39.3	0.0	71.3	5.4	4.7	19-Sep	106	11.9	32.5	47.3	63.6	125.1	1.06	0.29	0.34	1.90	0.20
Nutri+BMR	sorghum-sudan	49.6	.	0.0	81.5	2.1	1.8	30-Jul	55	10.7	34.5	54.8	62.0	105.2	0.72	0.29	0.25	2.56	0.19
Paul	naked oat	29.4	.	0.0	75.3	1.6	1.4	27-Jul	55	12.2	33.1	55.1	63.1	106.6	0.63	0.29	0.23	2.59	0.23
Paul + Arvika	naked oat/forage pea	29.9	33.2	1.0	76.3	2.0	1.7	27-Jul	55	15.0	29.2	45.3	66.2	136.3	1.14	0.28	0.29	2.39	0.30
Paul + Piper	naked oat/sudan grass	34.3	38.7	0.0	76.3	1.8	1.6	27-Jul	55	10.4	34.4	57.8	62.1	100.0	0.58	0.28	0.21	2.21	0.20
102M	pearl millet	48.0	.	0.0	82.3	2.6	2.2	7-Aug	63	9.3	37.6	60.8	59.6	91.3	0.58	0.31	0.28	2.92	0.23
Piper	sudan grass	51.4	.	0.0	77.0	2.1	1.9	27-Jul	55	9.0	35.3	57.8	61.4	98.9	0.53	0.26	0.24	2.25	0.20
Tiffany	teff	33.6	.	0.3	75.5	1.7	1.5	7-Aug	49	14.5	34.9	59.4	60.2	96.8	0.61	0.35	0.19	2.32	0.27
	Mean	38.0	37.0	0.08	76.7	2.4	2.1			12.1	34.1	55.9	62.2	104.9	0.66	0.29	0.24	2.39	0.24
	C.V.%	8.6	10.9	0.0	2.9	15.2	15.2			9.9	3.1	2.7	1.6	4.3	19.6	7.4	13.4	8.5	12.1
	LSD.05	4.7	NS	0.35	3.2	0.5	0.5			2.0	1.77	2.6	1.7	7.5	0.22	0.04	0.06	0.34	0.05

**Trial Planted: June 5; Previous Crop: Wheat**

**Teff reseeded June 18 due to poor stands on initial planting**

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**Harvest 2**

Variety	Type	Plant Height		Harvest Moisture	-- Yield --		Harvest Date	- Combined Yield -	
		inch	in		15%	Dry wt.		15%	Dry wt.
		-- inch --						-- ton/ac --	
2700	triticale	.	.	.	.	.	.	1.8	1.5
Cerise	red proso millet	.	.	.	.	.	.	1.9	1.6
Everleaf 126	forage oat	17.2	0	70.0	0.5	0.4	19-Sep	2.8	2.4
Golden German	german millet	.	.	.	.	.	.	3.9	3.4
Haybet	forage barley	.	.	.	.	.	.	1.7	1.5
Common	japanese millet	15.6	0	73.8	0.9	0.8	19-Sep	3.6	3.1
Manta	siberian millet	.	.	.	.	.	.	2.5	2.2
Martin/common	red milo/soybean	.	.	.	.	.	.	5.4	4.7
Nutri+BMR	sorghum-sudan	30.0	0	79.0	1.9	1.6	19-Sep	4.0	3.5
Paul	naked oat	25.7	0	64.3	1.0	0.9	19-Sep	2.7	2.3
Paul + Arvika	naked oat/forage pea	24.3	0	66.0	1.0	0.9	19-Sep	3.0	2.6
Paul + Piper	naked oat/sudan grass	44.7	0	74.0	2.6	2.2	19-Sep	4.3	3.8
102M	pearl millet	15.4	0	74.0	0.5	0.4	19-Sep	3.1	2.7
Piper	sudan grass	46.5	0	77.0	2.9	2.5	19-Sep	5.0	4.4
Tiffany	teff	20.7	0	66.5	1.1	1.0	19-Sep	2.8	2.5
<b>Mean</b>		26.7	0	71.6	1.4	1.2		3.2	2.8
<b>C.V.%</b>		14.1	0.0	2.5	22.5	22.5		13.8	13.8
<b>LSD.05</b>		5.5	NS	2.7	0.45	0.39		0.6	0.6