

**NDSU Carrington Research Extension Center
2011 Variety Trial Data**

Warm-season Forage

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Variety	Forage Treatment	----- Harvest 1 -----				----- Harvest 2 -----				----- Total -----	
		Plant Height inch	Harvest Moisture %	Yield 15% M ton/ac	Yield DM ton/ac	Plant Height inch	Harvest Moisture %	Yield 15% M ton/ac	Yield DM ton/ac	Yield 15% M ton/ac	Yield DM ton/ac
22053BMR	sorghum-sudan	40.2	81.1	1.88	1.60	27.0	62.0	0.44	0.38	2.33	1.98
Dessie	teff	30.8	78.5	1.94	1.65	.	.	.	.	1.94	1.65
Manta	siberian millet	31.1	78.2	2.33	1.98	.	.	.	.	2.33	1.98
PP102M	pearl millet	38.0	81.6	2.00	1.70	23.2	61.7	0.65	0.55	2.50	2.12
Piper	sudangrass	47.9	80.3	2.13	1.81	42.7	60.0	0.87	0.74	3.00	2.55
Sweething	sorghum-sudan	49.9	81.3	1.95	1.66	36.5	59.9	0.84	0.72	2.80	2.38
Tiffney	teff	30.7	78.3	1.97	1.68	.	.	.	.	1.97	1.68
Black Hawk BMR	sorghum-sudan	48.0	80.2	2.06	1.75	32.8	59.3	0.53	0.45	2.60	2.20
BMR Sweething	sorghum-sudan	37.1	80.1	2.09	1.78	25.9	58.9	0.58	0.50	2.68	2.28
Golden German	german millet	32.8	82.2	1.98	1.69	.	.	.	.	1.99	1.69
Common	japanese millet	42.8	83.1	1.84	1.57	26.4	53.9	1.07	0.91	2.92	2.48
Pro-Max BMR	sudangrass	48.7	79.8	1.92	1.63	40.6	62.9	0.93	0.79	2.85	2.42
Common	red proso	32.2	78.1	2.49	2.11	.	.	.	.	2.49	2.12
Special Effort	sorghum-sudan	46.1	82.0	1.90	1.61	32.2	60.2	0.58	0.50	2.48	2.11
	Mean	39.7	80.3	2.00	1.70	32.2	59.9	0.70	0.60	2.50	2.10
	C.V. (%)	9.4	2.3	11.7	11.7	12.3	7.7	23.5	23.5	11.2	11.1
	LSD 0.05	5.4	2.6	0.30	0.30	5.8	6.7	0.20	0.20	0.40	0.30

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Warm-season Forage

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Variety	Forage Treatment	Harvest 1									
		CP	ADF	NDF	Ca	P	Mg	K	S	TDN	RFV
		----- % DM -----									
22053BMR	sorghum-sudan	12.1	40.5	60.0	0.50	0.44	0.24	3.51	0.19	57.4	89
Dessie	teff	14.0	39.0	57.0	0.66	0.43	0.27	3.40	0.21	58.6	96
Manta	siberian millet	12.5	40.9	61.3	0.41	0.42	0.23	3.47	0.21	57.0	87
PP102M	pearl millet	12.2	41.1	60.4	0.49	0.43	0.28	3.57	0.24	56.9	88
Piper	sudangrass	10.9	40.6	61.1	0.43	0.40	0.23	3.52	0.19	57.3	87
Sweething	sorghum-sudan	12.2	40.2	59.5	0.58	0.41	0.25	3.46	0.22	57.6	90
Tiffney	teff	13.3	39.0	57.8	0.60	0.42	0.27	3.46	0.23	58.6	94
Black Hawk BMR	sorghum-sudan	11.5	40.4	60.1	0.52	0.41	0.25	3.53	0.19	57.5	89
BMR Sweething	sorghum-sudan	11.7	40.4	61.2	0.43	0.42	0.23	3.51	0.17	57.4	87
Golden German	german millet	13.0	40.2	59.4	0.50	0.44	0.27	3.55	0.24	57.6	90
Common	japanese millet	11.9	41.0	60.4	0.46	0.43	0.22	3.57	0.20	57.0	88
Pro-Max BMR	sudangrass	11.2	40.3	60.9	0.45	0.39	0.23	3.38	0.18	57.5	88
Common	red proso	12.4	38.9	58.6	0.51	0.40	0.25	3.35	0.20	58.6	93
Special Effort	sorghum-sudan	12.4	40.1	59.8	0.47	0.41	0.26	3.42	0.21	57.7	90
Mean		12.2	40.2	59.8	0.50	0.42	0.24	3.50	0.21	57.6	90
C.V. (%)		9.9	3.1	3.2	18.1	4.8	8.2	4.0	12.3	1.7	4.8
LSD 0.05		1.7	1.8	2.7	0.13	0.03	0.03	0.20	0.04	1.4	6

Planting Date = June 7; Harvest Date 1 = August 3; Harvest Date 2 = September 23; Previous Crop = Spring Wheat