

2009 ANNUAL COOL SEASON FORAGE TRIAL

WILLISTON RESEARCH EXTENSION CENTER

Variety	Crop	Heading Date fr pltnng	Plant Height inches	Forage Moist. %	2007	2008	2009	3 yr avg	Forage Quality -----				
					DM Yield	DM Yield	DM Yield		Crude Protein	ADF	NDF	TDN	RFV
					----- tons/a -----			----- % -----					
Haybet	Barley	55.3	22.1	65.0	3.2	0.7	2.5	2.1	15.0	25.7	47.1	68.9	136
Hayes	Barley	55.7	21.9	64.1	3.2	0.7	2.4	2.1	14.1	26.1	48.1	68.6	133
2700	Triticale	53.0	34.8	61.3	3.0	0.7	2.7	2.1	10.9	31.4	53.2	64.4	113
Everleaf	Forage Oat	59.0	25.6	72.6	--	0.4	2.1	--	13.9	29.3	50.4	66.1	122
HiFi	Oat	51.0	31.0	64.8	--	--	2.2	--	11.2	31.1	53.5	64.6	113
Morton	Oat	49.7	31.9	66.6	--	--	2.3	--	11.3	33.1	56.1	63.1	105
Arvika	Pea	56.3	29.8	75.2	1.9	0.4	1.4	1.2	18.3	20.6	30.2	72.9	225
Morton & Arvika		50.0	33.5	68.3	--	--	2.2	--	12.1	30.7	50.7	65.0	120
Haybet & Arvika		56.0	23.1	66.2	3.4	0.6	2.4	2.1	14.1	24.7	42.8	69.7	152
2700 & Arvika		53.0	33.2	62.2	2.8	0.6	2.2	1.9	11.3	31.2	52.0	64.6	116
Morton & Piper Sudan		49.7	33.1	67.3	--	--	2.4	--	11.6	33.6	55.6	62.8	106
Morton & Turnip		50.0	32.4	66.7	--	--	2.2	--	12.3	32.0	53.2	64.0	112
Morton & Hairy Vetch		49.7	32.3	67.2	--	--	2.3	--	13.2	31.9	51.5	64.1	116
Morton&Winter P&Vetch*		49.7	32.3	68.9	--	--	2.0	--	13.2	31.6	50.8	64.3	118
MEAN		52.7	29.8	66.9	2.7	0.6	2.2	--	13.0	29.5	49.7	65.9	128
C.V. %		1.0	5.4	1.8	9.8	15.5	9.1	--	6.8	4.5	4.7	1.6	7
LSD 5%		0.9	2.7	2.1	0.4	0.1	0.3	--	1.5	2.2	3.9	1.7	14

* - Austrian Winter Pea and Hairy Vetch

Variety/Crop	Harvest Date	Growth Stage and comments
Haybet	Barley	7/21/09 Early Mid Dough
Hayes	Barley	7/21/09 Mid Dough
2700	Triticale	7/31/09 Soft Dough
Everleaf	Forage Oat	7/21/09 Late Milk
HiFi	Oat	7/21/09 Milk
Morton	Oat	7/21/09 Milk
Arvika	Pea	7/21/09 Fully Flowered
Morton & Arvika		7/21/09 Milk + Fully Flowered
Haybet & Arvika		7/21/09 Mid Dough + Fully Flowered
2700 & Arvika		7/31/09 Mid Dough + Fully podded
Morton & Piper Sudan		7/21/09 Milk + late boot
Morton & Turnip		7/21/09 Milk + 8 inch high
Morton & Hairy Vetch		7/21/09 Milk + pre flower
Morton&Winter P&Vetch*		7/21/09 Milk + flower + pre flower

Planting Date: May 14, 2009 notill into durum stubble