

Dryland Alfalfa Yield Trials - 2007

Williston Research Extension Center

Brand	Variety	Plant Height in	Forage Moist. %#	*2005	*2006	*2007	3 yr avg tons/a	Crude Protein %	Forage Quality			
				DM Yield tons/a	DM Yield tons/a	DM Yield tons/a			ADF	NDF	TDN	RFV
America's Alfalfa	Ameristand 403 T	20.0	67.9	3.5	1.2	1.9	2.2	18.4	28.7	34.7	66.5	178.0
REA Hybrids	REA 401T	21.0	69.5	3.9	1.3	1.8	2.3	18.4	29.4	35.3	66.0	174.0
Croplan Genetics	Legendary YPQ	19.5	68.7	3.9	1.3	1.7	2.3	19.7	26.5	32.2	68.2	197.0
Croplan Genetics	4M124	22.6	69.9	3.9	1.3	1.6	2.3	19.0	27.9	33.5	67.2	188.0
Croplan Genetics	Maxigraze GT	18.7	67.5	3.7	1.3	1.8	2.3	17.9	30.3	36.0	65.3	169.0
Kusemaul Seeds	Sustain	20.6	70.0	4.1	1.3	1.6	2.3	18.5	27.4	32.8	67.6	192.0
Kusemaul Seeds	Haymaker II Supreme	22.4	68.0	3.9	1.3	1.9	2.4	19.4	27.8	33.2	67.3	188.0
Public	Vernal	19.8	68.1	4.0	1.3	1.8	2.4	18.4	30.2	36.2	65.4	170.0
EXP MEAN		20.6	68.7	2.7	1.3	1.8	--	18.7	28.5	34.3	66.7	182.0
C.V. %		9.1	2.5	11.2	6.8	8.2	--	3.2	5.4	5.3	1.8	7.0
LSD 5%		NS	NS	NS	NS	0.2	--	1.1	NS	NS	NS	NS

* 2005 - 2 cuts; 2006 and 2007 - 1 cut

All were harvested at stage 5 to 6 mean score listed below.

		Score	
Vegetative	Early	0	Stem length < 6 inches. No visible buds, flowers or pods
	Mid	1	Stem length 6-12 inches. No visible buds, flowers or pods
	Late	2	Stem length > 12 inches. No visible buds, flowers or pods.
Bud	Early	3	1 - 2 nodes with visible buds.
	Late	4	> 2 nodes with visible flowers.
Flowering	Early	5	1 node with open flower.
		6	> 1 node with open flower
Seed Pod	Early	7	1 - 3 nodes with green seed pods.
	Late	8	> 3 nodes with green seed pods.
	Ripe	9	Noes with mostly brown mature seeds.

Establishment and Planting Date: June 17, 2003.

Harvest Date: July 21, 2007

Trial Design: RC Establishment
Planted plot size: 8 X 24 feet.
Soil Type: Williams loam
Clipped in early April 2007 before
Date of 2007 Harvest: June 21
Harvested Plot Area: 80 ft²

Common Plantain
Row Spacing: 6 inches
before growth.

Planting Date: June 17, 2003
Seed Application Rate: 10 lbs/a