

Irrigated Sainfoin Variety Trial, University of Wyoming Research and Extension Center, Powell, WY.(Established 2007)

Variety Name	2007 DM Yield ton/acre	2007 DM basis RFV	2008 DM Yield ton/acre	2008 DM basis RFV	2009 DM Yield ton/acre	2009 DM basis RFV	6/21/10 DM Yield ton/acre	8/11/10 DM Yield ton/acre	2010 total DM yield	4yr total DM Yield ton/acre	4 yr % of Ranger
Shoshone	0.93	185	6.79	135	5.88	135	3.02	2.66	5.68	19.28	102
Ranger alfalfa	1.43	147	7.31	137	4.99	136	2.70	2.60	5.29	18.90	100
Eski	0.83	212	6.70	132	5.77	149	2.90	2.66	5.56	18.85	100
Remont	0.93	196	6.60	144	5.52	138	2.69	2.66	5.35	18.41	97
Rocky Mt Remont	0.82	205	6.53	130	5.32	135	2.81	2.57	5.38	18.04	95
Delaney	0.93	165	6.59	138	5.15	145	2.38	2.61	4.99	17.66	93
Ave for Trial	0.89	193	6.64	136	5.53	140	2.75	2.63	5.38	18.52	
LSD (0.05)	0.29		0.25		0.36		0.19	0.24	0.31	0.45	
CV%	20.97		6.45		8.6		4.3	5.6	4.7	6.32	

Ave for Trial: Is for sainfoin data, alfalfa data was not included in trial average.

Relative Feed Value : (RFV) 2007 from the only harvest, 2008 from 1st harvest, 2009 from 2nd harvest.

Dried for 48 hours at 60 degrees C. To convert dry ton per acre to hay at 12% moisture, multiply by 1.136.

Establishment Procedure: Seeded on 6-4-07 @ 40 lbs pure live seed per acre after 200lbs/A of 11-52-0 were soil incorporated.

Borders were seeded to Lander alfalfa. Trial is gravity-flow, flood irrigated.

Elevation: 4365 ft above sea level; 145 days above 28 degrees F.

Soil Type: Clay loam

Exp Design : Randomized complete block design, Four Replications, Yields differing by more than the LSD are different at odds of at least 19 to 1. An LSD designation of N.S. indicates yield differences were not significant.

2007 production: Establishment year, harvested once.

2008 production: Spring burned to remove litter from previous fall to assist in irrigating. Applied 200lbs/A of 11-52-0 April 1. Harvested three times.

2009 production: Spring burned to remove litter from previous fall to assist in irrigating. Applied 200lbs/A of 11-52-0 April 6. Harvested two times.

2010 production: Spring burned to remove litter from previous fall to assist in irrigating. Harvested two times.

Cooperators: Randall Violett & Mike Killen (307)754-2223