Direct Seeded Mixed Forages

Project #: 2007A
Cooperator: Chris Sande
By: *Grey Wooded Forage Association*
Funded: funded through the Alberta Opportunities Fund
Sponsors: The Direct seeding Demo Day on June 28th sponsored by Roger Andreiuk with RT Linkages and Graeme Finn with AGROWPLOW.

Seeding on June 28, 2007 by:

–Allan Sunde & Graeme Finn with AGROWPLOW's Agrodrill No Till Seeder
–Gerald Knopp with Harald Magnus's John Deere 750 (applied fertilizer as well)
–Kim Nielsen with Clearwater County's John Deere 9350 converted to No Till with Eagle Beak Openers

Seeding was delayed by very wet weather in June, 2007, July was hot and dry and August was normal for the area.

Seed provided by Seaborn Seeds

- The forage mix included MV Hybrid Alfalfa, Birdsfoot Trefoil, Cicer Milk Vetch, Alsike Tetraploid Clover, Jet Timothy Blend, Pay Brand Orchardgrass, Garrison Creeping Foxtail, Canada Bluegrass and Annual Ryegrass Tetraploid.
- Part of the field was seeded to an oats cover-crop as well.

Herbicides provided by Clearwater County

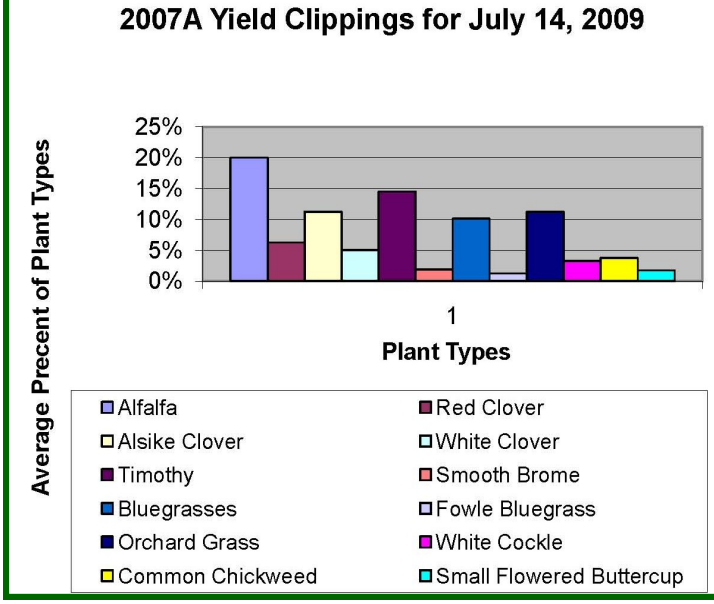
- Three applications of Vantage (September 9, 2006, June 1, 2007 and July 3, 2007) at 2 L/acre.

Fertilizer provided by BenaltoAg Services Ltd.

Total cost for herbicide, fertilizer and seed was $160.14/acre

In 2009 we took yield clips and did a species composition analysis. Total production for 2009 was about 5,800 lbs of dry matter per acre. Total yield for the 2008 growing season was **10,277** lbs dry matter per acre. Due to the weather we had during the growing season of 2009, we found that most forages in our region yielded about half of what they normally yield.

Photo by Brette Sidoryk



2007A Yield Clippings (July 14, 2009)
Cooperator: Chris Sande
Direct Seeded Mixed Forage

Sample		Dry Wt (g)	Yield (lbs/ac)	Average lbs/ac
#1				
	1	119.0	4,247.11	
	2	135.0	4,818.15	4,104.35
	3	99.0	3,533.31	
	4	107.0	3,818.83	

2007A Yield Clippings (September 29, 2009)
Cooperator: Chris Sande
Direct Seeded Mixed Forage

Sample		Dry Wt (g)	Yield (lbs/ac)	Average lbs/ac
#1				
	1	48.0	1,713.12	
	2	53.0	1,891.57	1,766.66
	3	52.0	1,855.88	
	4	45.0	1,606.05	
			2009 Total	5,871.01