

Report Sanfoin Project from Len Walchuk LeBarge Ranch Ltd.

The Sanfoin that I planted did not grow as expected. The plot that had sanfoin alone germinated fairly well and in the following spring, it appeared that the stand would be decent. But shortly after the plants were turning green, we had a killing frost of -9 and the plot never recovered. Due to the increase in weeds, I needed to plow this plot under.

The plot mixed with Timothy and Arctic Orchard grass faired somewhat better. The plants are healthier and are overwintering better. The sanfoin that I seeded must be a variety that isn't very competitive or hardy. I have never seen the plant flower until late July and not all the plants get to this stage. It is also considerably smaller and slower growing than the Alfalfa plants that exist in the plot next to it. The Alfalfa grew to a point of being able to have two cuts while the sanfoin remained at a height of approximately of only 1 foot in mid July (about ½ the height of Alfalfa). I kept the plot viable for this season to see if there are any changes to the sanfoins productivity.

On a positive note, the Arctic Orchard Grass is proving to be a viable forage for the Yukon. To this point, it is a hardy fast growing grass that reaches 4 feet or more in height and has a protein value of over 9% (dry matter).

There is a new variety of Sanfoin called "MountainView" that has been developed by AgriCanada in Lethbridge. It is a hardier and more vibrant of any Sanfoin strands developed thus far. As of the time seeding, seed was unable to be purchased. This variety could be another possible test in the future.

Laboratory #:
404006

TEST REPORT


Submitted By:	
Yukon Agriculture Branch Box 2703 K320A Whitehorse, YT Y1A 2C6 Attn: Brad Barton	Phone #: 867-667-3417 Fax #: 867-393-6222 Date Received: July 29, 2016 Date Printed: August 04, 2016

Client: Len Walchuk
 Product: FORAGE
 Description: FORAGE
 Sainfoin, Timothy, Orchard

Package #: 1FF
 Complete
 Sample #: 2016-9

Arrival Condition: Sample Intact

Analysis:	AS RECEIVED	DRY MATTER
Moisture (%) (test date 8/2/2016)	9.49	
Dry Matter (%) (test date 8/2/2016)	90.51	
Crude Protein (%) (test date 8/2/2016)	9.17	10.13
Calcium (%) (test date 8/3/2016)	0.26	0.29
Phosphorus (%) (test date 8/3/2016)	0.26	0.29
Magnesium (%) (test date 8/3/2016)	0.13	0.14
Potassium (%) (test date 8/3/2016)	2.56	2.83
Sodium (%) (test date 8/3/2016)	0.01	0.01
Sodium Chloride (calc from sodium) (%) (test date 08/04/2016)	0.01	0.02
Acid Detergent Fibre (%) (test date 8/3/2016)	29.62	32.73
Total Digestible Nutrients (%) (test date 08/04/2016)	57.63	63.67
Metabolizable Energy (Mcal/kg) (test date 08/04/2016)	2.11	2.33
Net Energy for Lactation (Mcal/kg) (test date 08/04/2016)	1.31	1.44
Digestible Energy (Mcal/kg) (test date 08/04/2016)	2.54	2.81
Net Energy for Maintenance (Mcal/kg) (test date 08/04/2016)	1.32	1.46
Net Energy for Gain (Mcal/kg) (test date 08/04/2016)	0.79	0.87


 Yvan Bruneau
 General Manager/President



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CTL-TRT Rev 1.0 Revised: August 28, 2015

Laboratory #:
404007

TEST REPORT

Submitted By:	
Yukon Agriculture Branch Box 2703 K320A Whitehorse, YT Y1A 2C6 Attn: Brad Barton	Phone #: 867-667-3417 Fax #: 867-393-6222 Date Received: July 29, 2016 Date Printed: August 05, 2016

Client: Len Walchuk
 Product: FORAGE
 Description: FORAGE
 Orchard Grass
 Arrival Condition: Sample Intact

Package #: 1FF
 Complete
 Sample #: 2016-10

Analysis:	AS RECEIVED	DRY MATTER
Moisture (%) (test date 8/2/2016)	8.95	
Dry Matter (%) (test date 8/2/2016)	91.05	
Crude Protein (%) (test date 8/2/2016)	8.97	9.85
Calcium (%) (test date 8/3/2016)	0.24	0.26
Phosphorus (%) (test date 8/3/2016)	0.22	0.25
Magnesium (%) (test date 8/3/2016)	0.13	0.14
Potassium (%) (test date 8/4/2016)	2.61	2.87
Sodium (%) (test date 8/3/2016)	0.01	0.01
Sodium Chloride (calc from sodium) (%) (test date 08/05/2016)	0.02	0.02
Acid Detergent Fibre (%) (test date 8/3/2016)	28.28	31.06
Total Digestible Nutrients (%) (test date 08/05/2016)	59.59	65.45
Metabolizable Energy (Mcal/kg) (test date 08/05/2016)	2.18	2.40
Net Energy for Lactation (Mcal/kg) (test date 08/05/2016)	1.35	1.49
Digestible Energy (Mcal/kg) (test date 08/05/2016)	2.63	2.89
Net Energy for Maintenance (Mcal/kg) (test date 08/05/2016)	1.38	1.52
Net Energy for Gain (Mcal/kg) (test date 08/05/2016)	0.84	0.92

Yvan Bruneau
 General Manager/President

Results are based on the sample received and liability is limited to the cost of analysis.
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