

# ALFALFA LAB RESULTS - SOUTHERN ALBERTA

## Penergetic-treated compared to Average of all other alfalfa tested

Down To Earth Labs Inc.							
Lethbridge AB CANADA		↓ <b>Penergetic Treated Sample</b>	Grower: Sampled By: Date Sampled: <b>10/4/2013</b> Date Received: <b>10/4/2013</b>		Run Time: 6:35:36 PM Run Date: 10/10/13		Report No: <b>136612</b> Page No: 1
ELEMENT	DRY BASE RESULT	AS FED RESULT	Sufficiency Range	Area Average	INTERPRETATION GUIDE Low Optimum High		
<b>Walsh, ALFALFA/ 4107</b>							
MOISTURE		15.91 %	8.80 17.40	13.10			
→ PROTEIN	20.46	17.20 %	14.20 22.00	18.10			
ADF	28.94	24.34 %	23.00 40.80	31.90			
→ NDF	33.77	28.40 %	46.10 60.30	53.20			
CALCIUM	1.74	1.46 %	1.22 2.38	1.80			
PHOSPHOROUS	.24	.20 %	.16 .30	.23			
MAGNESIUM	.31	.26 %	.17 .45	.31			
POTASSIUM	1.96	1.65 %	1.00 2.60	1.80			
SODIUM	.02	.02 %					
→ TDN	65.80	55.33 %	56.20 61.20	58.90			
NEL	1.64	1.38 MCK	.30 1.80	1.05			
ME	2.37	1.99 MCK	1.96 2.30	2.13			
DE	2.89	2.43 MCK	1.77 3.17	2.47			
→ RFV	183	154	79 200	120			
DRY MATTER INTAKE	3.55	2.99 %	1.57 2.31	1.94			
NEm	1.49	1.25 MCK	1.12 1.26	1.19			
NEg	.90	.76 MCK	.46 .62	.54			

Down to Earth Lab indicated: "The Penergetic-treated sample was the highest grade of all alfalfa tested." [out of 70+ samples tested.]  
 Comments: Note the values for the Penergetic-treated alfalfa compared to the average of all other alfalfa samples tested, including for some of the most important elements – i.e. protein (2.36 pts higher) and RFV (53% higher).