



# BCFC - Highway 16 (Fort Fraser) 2008-2012

## New Variety Trials

DM YIELD kg/ha

2009\*



<b>ALFALFA-GRASS BLEND</b>		
Blend: various alfalfa with Kay Orchard & Carleton Brome	Yield	Yield
	kg/ha	tons/acre
2065 MS	2575	1.15
AC Cariboo	2131	0.95
Leader	2534	1.13
Magnum Wet	2272	1.01
Peace	2429	1.08
Phabulous	2511	1.12
Tophand	2366	1.06
Mean	2403	1.07
CV	21	
LSD	NSD	
No significant difference between blends in terms of yield.		

<b>NEW GRASS VARIETIES</b>		
Variety	kg/ha	tons/acre
AC Knowles Bromegrass(new)	1710	0.76
Carlton bromegrass (check)	1235	0.55
Mean	1472	0.66
CV	25	
LSD	NSD	
Crown Royal Orchardgrass (new)	2244	1.00
Kay Orchardgrass (check)	1741	0.78
Mean	1992	0.89
CV	43	
LSD	NSD	

<b>NON-BLOAT LEGUMES</b>		
Variety	kg/ha	tons/acre
AC Grazeland (low bloat alfalfa)	1442	0.64
Sanfoin 3901	500	0.22
Sanfoin 3902	638	0.28
Trefoil, Bull	383	0.17
Mean	765	0.34
CV	24	
1 missing value, therefore no LSD.		

\* One year of data only.

CV = Coefficient of Variation

LSD = Least significant difference

NSD = F tests indicate that there were no significant differences between variety yields at alpha = 0.05.

When the LSD value is labelled "NSD", all yield differences are not considered significant

1 kg/hectare = 0.00044609 tons/acre