

Creston Alfalfa Trial Summary 2005

BC Forage Council

This test was seeded in the spring of 2003, a very dry spring which resulted in below average stand establishment. The data table indicates that 2004 was a better year for alfalfa production compared to 2005. Mean total DM yield for 2004 was 10265 kg/ha compared to 8963 for 2005. Cool and wet summer conditions in 2005 also delayed harvest as evident from the table.

This alfalfa trial was maintained as usual with no fertilizer amendments being applied, and no pesticides applied for control of weed or insect pests. Weeds were a problem (dandelions) due to the poor stand establishment in 2003. This may have influenced the biomass production in this test. Most plots have good number of plants and we would expect that in 2006 we would get higher DM yield from these plots if weather cooperates.

Site Information

Creston, B.C. (49 06 116 31)
606m ASL

Design:	RCBC, 4 replications
Plot Size:	1.8m x 6m, 18cm row spacing
Harvest Area:	1.25m x 6m = 7.5m ²
Fertilizer:	200 lbs/ac 11-48-0 before establishment
Weed Control:	Edge applied prior to seeding
Irrigation:	None
Seeded:	May 21, 2003

Source

Dr. Surya N. Acharya
Forage Breeder, AAFC
Lethbridge Research Centre
5403 - 1st Avenue South
P.O. Box 3000
Lethbridge, Alberta, Canada
T1J 4B1
Tel: (403) 317-2277
Email: acharya@agr.gc.ca

2003 BC Alfalfa Trial - 2005 Data Table

2003 BC Alfalfa Trial - 2005 Data Table										
	Forage Yield (kg DM/ha)									
	2004				2005					
Cultivar or Strain	Cut 1 June 16	Cut 2 July 27	Cut 3 Sept 29	Total	Cut 1 June 23	Cut 2 Aug 3	Cut 3 Oct 4	Total	2 Year Mean	% of Beaver
Syn II 94006	5067	3574	1882	10523	5010	4376	1447	10833	10678	132
AC Longview	5816	3553	1968	11337	4547	3866	1477	9890	10613	131
WL319 HQ	5680	3553	2070	11303	4351	3924	1022	9297	10300	127
PS2065 MF	5601	3198	1968	10766	4351	3773	1431	9555	10161	126
Prince George	6094	3461	1615	11170	4013	3493	1045	8552	9861	122
Rocket	5449	3048	1740	10238	4414	3701	1250	9365	9801	121
Lac La Biche	5640	2828	1599	10068	4696	3795	879	9369	9719	120
AC Blue J	5266	2885	1788	9939	4335	4003	772	9110	9524	118
Rhino	5290	2956	1905	10151	3518	4268	833	8619	9385	116
Hay Grazer	5226	2516	1733	9474	4421	3658	969	9049	9262	115
PS 3006	5585	3034	1458	10077	4037	3257	932	8225	9151	113
Creston	5704	2750	1717	10171	3840	3400	788	8028	9100	113
Chinook 421	5322	2821	1733	9875	3550	3508	977	8034	8955	111
Beaver	5393	2338	886	8617	3950	3214	386	7550	8084	100
mean	5510	3037	1719	10265	4217	3731	1015	8963	9614	
CV	9.73	15.3	15.2 7	8.33	10.9 2	11.1 5	28.0 1	6.98	5.53	
LSD	639	554	313	1019	549	496	339	745	633	