



Focusing on Forages



The following are results from a 3 year study funded by the Alberta Beef Producers and the Alberta Livestock & Meat Agency. Project participants included BRRG, CARA, FFGA, GRO, LARA, MARA, PCBFA, NPARA & WCFA. The study included evaluation of 12 grasses, 15 legumes and 9 grass/legume mixes. Leading entries in each category in different regions of Alberta are summarized below. Local results are on page 2.

East Central Alberta (Mixed Grasslands Area)

	Dry Matter Yield (% Check)
Grasses Greenleaf Pubescent Wheatgrass	150
AC Success Hybrid Brome Grass	132
Legumes Yellowhead Alfalfa	100
Rugged Alfalfa	107
Mixes	
AC Success, AC Knowles Hybrid Brome or Fleet Meadow Brome + AC Yellowhead Alfalfa	99-102
AC Success Hybrid Brome + Spredor 5 Alfalfa	98



Central Alberta (Boreal Transition Area)

	Dry Matter Yield (% Check)
Grasses AC Success Hybrid Brome Grass	128
Greenleaf Pubescent Wheatgrass	113
AC Saltlander Green Wheatgrass	112
Legumes AC Yellowhead Alfalfa	100
Rangelander Alfalfa	97
Mixes	
AC Knowles Hybrid Brome + AC Mountainview Sainfoin	112
AC Success Hybrid Brome + AC Yellowhead Alfalfa	107

Northern Alberta (Peace Area)

	Dry Matter Yield (% Check)
Grasses AC Saltlander Green Wheatgrass	137
Greenleaf Pubescent Wheatgrass	122
AC Admiral Hybrid Brome Grass	121
Grindstd Timothy	119
Killarney Orchard Grass	118
Legumes AC Yellowhead Alfalfa	100
20-20 Alfalfa	101
Oxley II Cicer Milk Vetch	101
Veldt Cicer Milk Vetch	96
Mixes	
Fleet Meadow Brome + AC Yellowhead Alfalfa	100
Fleet Meadow Brome + Spredor 5 Alfalfa	97

Grass Height and Dry Matter Yield – Sedalia Site

	Height			Dry Matter Yield (lb/A)						Avg % Fleet
	2017	2018	Avg	2017		2018		Average		
Greenleaf Pubescent Wheatgrass	97	73	85	5174	a	2551	a	3862	a	150
AC Success Hybrid Brome	99	78	89	4891	a	2118	ab	3504	ab	132
AC Saltlander Green Wheatgrass	89	65	77	4224	ab	1825	bcd	3024	bc	113
AC Knowles Hybrid Brome	95	69	82	4381	ab	1345	def	2929	bc	99
Fleet Meadow Brome	91	71	81	4088	ab	1476	cde	2782	c	100
Kirk Crested Wheatgrass	80	62	71	3311	c	1989	bc	2650	c	108
AC Admiral Hybrid Brome	93	75	84	3810	ab	1210	ef	2510	c	88
Grindstad Timothy	66	52	59	2022	d	528	g	1274	d	43
Tom Russian Wildrye Grass	85	80	83	1605	d	767	fg	1186	d	46
Courtney Tall Fescue	69	65	67	1640	d	668	g	1154	d	43
Killarney Orchard Grass	51	35	43	902	d	420	g	662	d	25
Fojtan Festolium	50	45	48	573	d	0	h	573	e	14
Mean	80	64	72	3052		1241		2176		

Legume Height and Dry Matter Yield – Sedalia Site

	Height			Dry Matter Yield (lb/A)				% Yellowhead	
	2017	2018	Average	2017	2018 [†]	Average			
Yellowhead	49	43	46	4879	a	1979	3429	a	100
Rugged	52	45	49	4243	ab	2527	3367	a	107
20--10	55	46	51	4262	ab	1963	3112	ab	93
Spredor 4	54	47	51	3802	abc	2417	3110	ab	100
44--44	54	44	49	3997	abc	2091	3056	ab	94
Rangelander	58	45	52	3914	abc	2213	3044	ab	96
Assalt ST	56	50	53	3765	abc	2050	2932	abc	90
Dalton	58	49	54	3646	abc	2197	2913	abc	93
PV Ultima	51	42	47	3566	abc	2259	2908	abc	94
Halo	53	49	51	3372	abc	2545	2893	abc	99
Spredor 5	51	41	46	3552	abc	1679	2615	bcd	79
Oxley 2 Cicer Milk Vetch	36	31	34	2930	bc	2153	2542	bcd	84
Veldt Cicer Milk Vetch	38	24	31	3018	abc	1472	2215	cde	68
Nova Sainfoin	64	49	57	2654	bc	0	1819	de	27
AC Mountainview Sainfoin	65	45	55	2278	c	0	1442	e	23
Mean	53	43	48	3592		1836	2760		

[†] Differences were not significant

Grass/Legume Mix Dry Matter Yield – Sedalia Site

	Dry Matter Yield (lb/A)				% Check		
	2017	2018	Avg				
Success Hybrid Brome Yellowhead Alfalfa	3995	a	2389	a	3192	a	102
Fleet Meadow Brome Yellowhead Alfalfa	4045	a	2274	a	3159	a	100
Knowles Hybrid Brome Yellowhead Alfalfa	4098	a	2205	ab	3151	a	99
Success Hybrid Brome Spredor 5 Alfalfa	3866	ab	2276	a	3071	a	98
Knowles Hybrid Brome Spredor 5 Alfalfa	3710	ab	1888	abc	2799	ab	87
Knowles Hybrid Brome Mountainview Sainfoin	3396	abc	1541	cd	2469	bc	76
Success Hybrid Brome Mountainview Sainfoin	3189	bc	0		2414	bc	39
Fleet Meadow Brome Spredor 5 Alfalfa	3283	bc	1454	cd	2369	bc	73
Fleet Meadow Brome Mountainview Sainfoin	2792	c	0		2020	c	35
Mean	3597		1559		2738		

