

# FORAGE CULTIVAR TRIALS - 1987

PREPARED BY  
NORTHERN RESEARCH GROUP  
AGRICULTURE CANADA RESEARCH STATION  
BEAVERLODGE, ALBERTA

IN CO-OPERATION WITH

**Alberta**  
AGRICULTURE





Station. The purpose of these trials is to determine which cultivars should be tested at the various test sites of Part A.

Plots comprise of two rows, 30.5 cm (1 foot) apart, 6.1 metres (20 feet) long, and are replicated 3 times. Plot maintenance is the same as for Part A.

Seed and herbage yields are expressed by a 0 to 5 performance scale, with 5 being best. Winter hardiness is shown by a hardiness scale of 0 to 5, with 5 being best. Cultivars rated above 3 in the above three categories will be considered for further testing in Part A.

Starting in 1987, seed is harvested and actual yields published.

#### C - Summary of Seed Yields

This section contains a summary of forage seed yield data collected from the various test sites established in northern Alberta. Only those cultivars registered in Canada and cultivars eligible for certification under the OECD scheme are listed.

Environmental data prepared by Mr. Peter Mills, Beaverlodge Research Station.

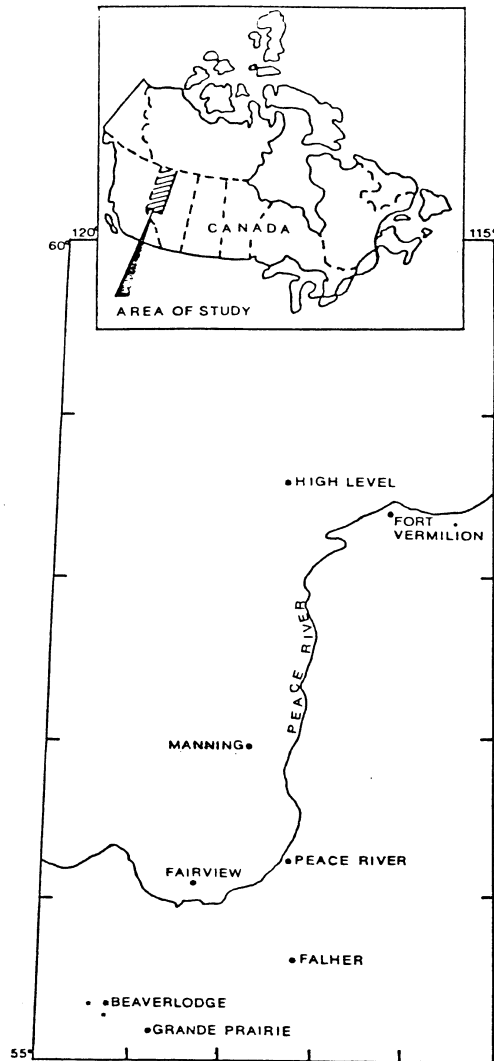
The author acknowledges the contributions of the following people to the program: W. Conrad, T. Cramer, A. Heggelund, B. Miller, F. Swanson and J. Woods.

Evaluation of this publication and suggestions for improvements will be greatly appreciated and should be directed to:

G.M. Howe  
Agriculture Canada, Research Station  
Box 29  
Beaverlodge, AB  
Canada TOH 0C0  
Telephone (403) 354-2212

Cover Photo: Farm scene courtesy of the Alberta  
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ENVIRONMENTAL DATA FOR SELECTED SITES IN THE STUDY AREA



		Beaverlodge		Fairview		Fort Vermilion	
		1951-80	1987	1951-80	1987	1951-80	1987
Growing Degree Days							
Above 5°C	- May - Aug	988.8	1032.8	1078.0	N/A	1110.3	N/A
Total Hours	- Annual	2125.5		2059.9		2106.9	
Bright Sun	May - Aug	1111.8	1063.6	1060.3	N/A	1134.9	N/A
Total Precip. (mm)	- Annual	467.0		446.6		382.5	
	May - Aug	235.2	265.8	236.8	N/A	201.7	N/A
Temperature (°C)							
Mean	- Annual	1.6		1.3		-1.2	
	May - Aug	13.0	13.4	13.7	N/A	13.9	N/A
Mean Maximum	- Annual	7.0		6.3		4.5	
	May - Aug	19.2	19.7	19.6	N/A	20.5	N/A
Mean Minimum	- Annual	-3.7		-3.6		-6.9	
	May - Aug	6.7	7.1	7.8	N/A	7.4	N/A
Photoperiod	- June 22	17:25		17:38		18:18	
Last Spring Frost (0°C)		May 24	May 16	May 19	N/A	May 28	N/A
First Fall Frost (0°C)		Sep 7	Sep 9	Sep 16	N/A	Sep 3	N/A
Frost Free Period (days)		105	116	119	N/A	97	N/A