

PREPARED BY  
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RESEARCH STATION, BEAVERLODGE, ALBERTA

IN CO-OPERATION WITH

**Alberta**  
AGRICULTURE

# FORAGE CULTIVAR TRIALS

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survival is shown by a hardiness scale of 0 to 9, with 9 being the best.

#### Section B

Data presented in this section has been collected from screening trials established at the Beaverlodge Research 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.

#### Section C

Data presented in this section contains a summary of forage seed yields collected from the various test sites established in northern Alberta. Only those cultivars licensed in Canada and cultivars eligible for certification under the OECD scheme are listed.

This publication will supplement "Forage Introductions Publication No. 79-16A-1979" which reports on all forages introduced since 1969.

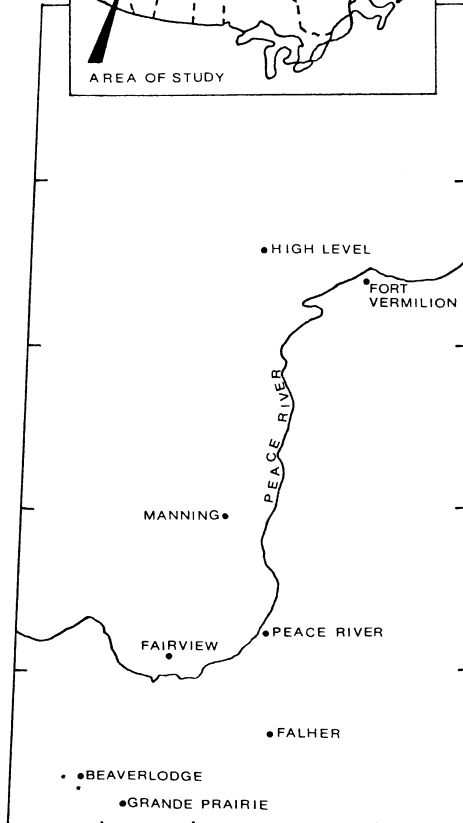
Environmental data prepared by Mr. Peter Mills, Beaverlodge Research Station.

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

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ENVIRONMENTAL DATA FOR SELECTED SITES IN THE STUDY AREA



		Beaverlodge		Fairview		Fort Vermilion	
		1951-80	1984	1951-80	1984	1951-80	1984
Growing Degree Days							
Above 5°C	- May - Aug	988.8	971.8	1078.0	1172.6	1110.3	1105.8
Total Hours	- Annual	2125.5		2059.9		2106.9	
Bright Sun	May - Aug	1111.8	1079.2	1060.3	1104.5	1134.9	1050.4
Total Precip..	- Annual	467.0		446.6		382.5	
(mm)	May - Aug	235.2	206.5	236.8	339.4	201.7	355.9
Temperature (°C)							
Mean	- Annual	1.6		1.3		-1.2	
	May - Aug	13.0	12.8	13.7	14.5	13.9	14.0
Mean Maximum	- Annual	7.0		6.3		4.5	
	May - Aug	19.2	19.4	19.6	21.2	20.5	20.0
Mean Minimum	- Annual	-3.7		-3.6		-6.9	
	May - Aug	6.7	6.3	7.8	7.8	7.4	8.0
Photoperiod	- June 22	17:25		17:38		18:18	
Last Spring Frost	(0°C)	May 24	May 25	May 19	May 11	May 28	May 23
First Fall Frost	(0°C)	Sep 7	Sep 14	Sep 16	Aug 27	Sep 3	Sep 10
Frost Free Period	(days)	105	112	119	108	97	110