

stricter investigation into the possibilities of the more northerly tracts for wheat-growing will be conducted. Experiments in the Peace River district at Fort Vermilion in 1908 and 1909 indicate that, when pressure comes on the older wheat lands, reliance may be put on the Peace River Valley district. The following are details of five samples of wheat sent from Fort Vermilion to Dr. William Saunders in 1908 :

Name of Variety.	Date of Sowing.	Date of Harvesting.	Weight per Bushel in Pounds.	Percentage of Germination.
Preston ..	May 6	August 22	64½	100
Ladoga ..	April 31	September 5	64	92
Ladoga ..	May 4	August 24	64	99
Early Riga ..	April 21	August 21	63	96
Riga ..	May 9	August 29	64½	100

The table given below of meteorological observations taken at Fort Vermilion from July 1, 1908, to March 31, 1909, shows that climatic conditions are not unfavourable to hardy and quickly maturing wheats :

Month.	Mean Temperature in Degrees Fahrenheit.	Rainfall.	Snowfall.	Total Precipitation in Inches.
July	60.68	2.30	—	2.30
August	57.26	2.05	—	2.05
September	45.32	0.69	—	0.69
October	31.25	0.33	2.00	0.53
November	8.45	—	8.50	0.85
December	- 7.90	—	2.50	0.25
January	- 25.08	—	5.75	0.58
February	- 15.32	—	1.50	0.15
March	14.47	—	4.25	0.43