

**Title of Project:** Weather Data Analysis Proposal  
**Report Title:** Final Report  
**Report Covering Period:** January 1, 2002 to April 30, 2002  
**Organization(s):** BC Grain Producers Association  
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**Objectives:**

1. Complete the entry of current year data from 13 weather data loggers maintained by BC Crop Insurance
2. Explore reporting formats that best relay useful weather history data to producers
3. Investigate internet options for presenting the weather data and summaries
4. Survey producers as to the usefulness of data presented in various formats
5. To provide an assessment on the merits of continuing reporting the weather data

**Accomplishments:**

1. Completed entry and verification of all available data from weather data loggers up to the end of 2001
2. Informal discussion with producers regarding various formats of presenting data clearly indicated that a visual interpretation of data was favored
3. Developed two maps of the BC Peace River Region, one of Killing Frost Free Days, and one of Growing Degree Days, each showing zones or areas of similar results.
4. Prepared an electronic version of the maps for presentation on the BC Grain Producer's website.

**Finances:**

BCGPA-Variety Trials  
 Project Income Summary  
 Project  
 Weather Data Project

	Revenue	Expense	Net
Weather Data Project	4,800.00		
General Supplies & Services		1,200.00	
Travel/Mileage		35.70	
Wages & Salaries		5,657.60	
EI Expense		174.22	
CPP Expense		238.50	
Office Supplies		55.58	
	4,800.00	7,361.60	(2,561.60)

### **Variances from original work plan, schedule or budget:**

- ❖ Unexpected delays in obtaining a working version of the database resulted in the project completion date of a month later than anticipated. Also, all existing data had to be re-entered due to a 'glitch', just one of many.
- ❖ The maps have not yet been displayed on BCGPA's website, but this is to be a method of obtaining feedback from producers regarding the usefulness of the information presented.

### **Summary comments, conclusions:**

The resulting maps are a work in progress, and will require adjustment as additional years of data are accumulated. Alternative methods of presenting the data such as putting the entire database on the internet and allowing producers to specify reports relevant to their area were considered but would require considerable ongoing commitment before undergoing development and maintenance.

Additional years of weather data are required to build a reliable database for the Peace River Region. Some stations have only a few years of complete data, which produces 'weak' results. Continued collection will provide a sound base from which producers, investors, and prospective landowners can derive useful information.