

Moisture Situation Update – September 4, 2014

Synopsis

Cool air has continued to stream into Alberta, bringing with it light frosts to some areas, and more recently, heavy rains to parts of Southern Alberta. Most of the frost found in the agricultural areas, since August 25th has been confined to small pockets widely scattered north of Calgary, with overnight lows measured at weather stations rarely dipping below -2C, which is considered to be a killing frost. However, low lying areas may have seen colder temperatures, but generally wide spread damaging frosts appear to be absent to date. Across southern Alberta a large system brought well over 30 mm of precipitation to most areas south of the Trans-Canada Highway, with many locations recording well over 60 mm.

Lowest recorded temperatures since August 20th as of September 4, 2014–see map

- On August 22nd, as mentioned in the previous report (August 25), a few stations in the Peace Region recorded frosts (just below -2°C) for an hour or two. As well, several pockets of frost north of Red Deer were reported, with temperatures generally above the -2°C mark
- The latest frost incident occurred on September 4th with a few pockets of frost being recorded in some locations north of Calgary, with no stations recording temperatures below -2°C. Most stations recorded 3-hours or less of frost, with temperatures between 0 and -1°C.

10-day precipitation accumulations as of September 4, 2014–see map

- Since the last report (August 25, 2014), most areas received some precipitation.
- The Peace Region saw total accumulations of generally less than 10 mm.
- North of the Trans-Canada Highway precipitation totals were generally below 30 mm, with a large area in central Alberta receiving 10 to 20 mm over three distinct events.
- South of the Trans-Canada highway a major system brought more than 30 mm to many locations, with a large area north of the City of Lethbridge reporting upwards of 60 mm.

Additional maps can be found at www.agriculture.alberta.ca/maps

Near-real-time hourly station data can be viewed/downloaded at www.agriculture.alberta.ca/stations

Note: Data has about a two hour lag and is displayed in MST (add one hour for daylight savings time)

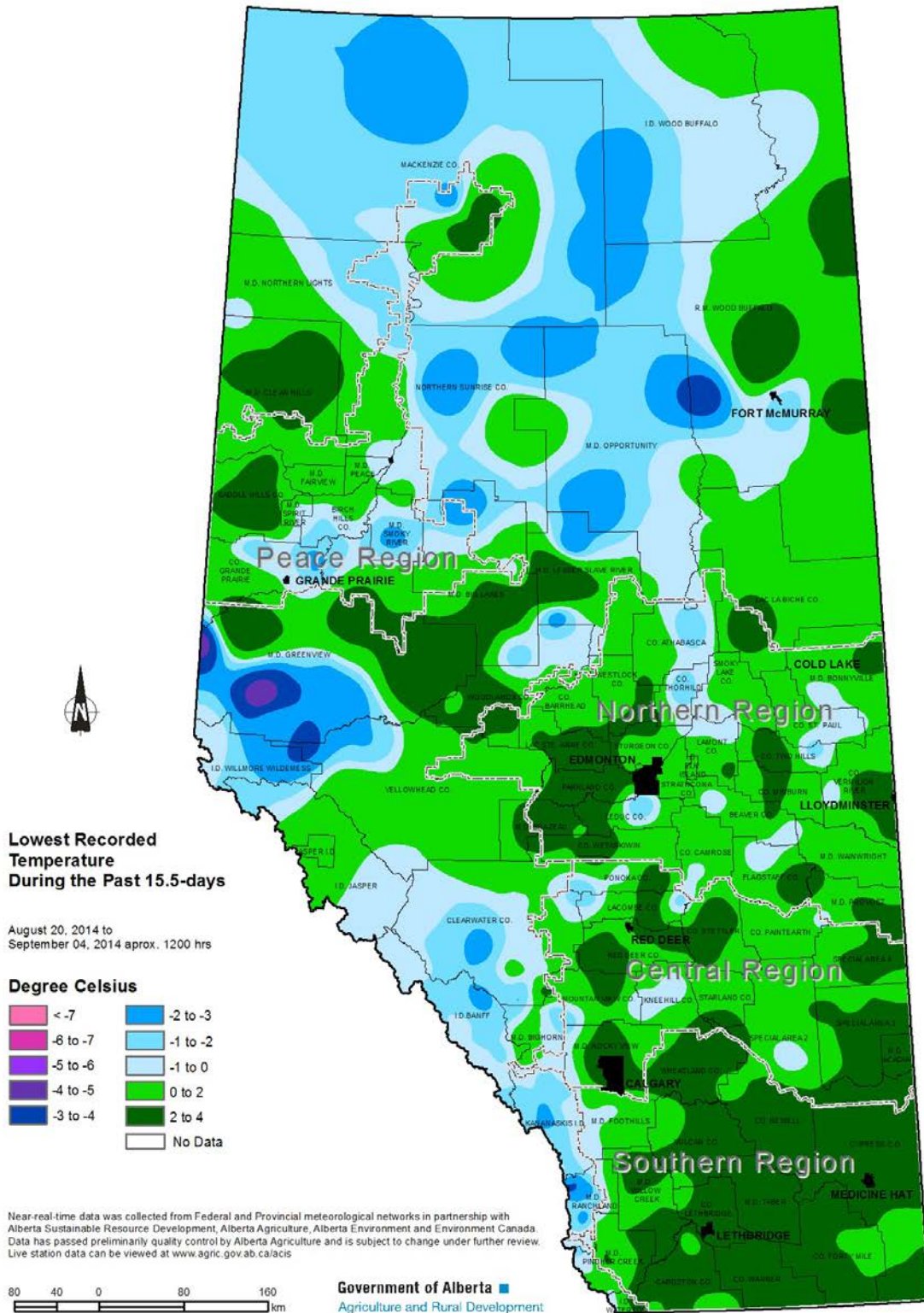
Ralph Wright, M. Sc.

Manager: Agro-meteorological Applications and Modelling Section

Work: 780-427-3556

Cell: 780-446-6831

Moisture Situation Update – September 4, 2014



Moisture Situation Update – September 4, 2014

