

## Moisture Situation Update – November 24, 2013

### Synopsis:

Over the last 11 days at least three major snowstorms have swept across the province. The hardest hit agricultural areas were found in a large band extending from Grande Prairie to Red Deer, with many areas experiencing up to a foot or more of new snow. High mountain areas saw even greater accumulations with some stations recording upwards of 75 mm of precipitation, or nearly three feet of new snow.

### Precipitation received over the past 11 days as of November 24th, 2013 -see map

- Over the past 11 days most areas south of Peace River and north of the TransCanada Highway received appreciable amounts of precipitation, ranging from 5 to 10 mm along the eastern side of the province to well over 75 mm in the high mountain areas.
- A large area west of Edmonton, lying between Whitecourt and Lacombe, received upwards of 50 mm, bringing total snow pack accumulations in these areas to well above normal for this time of year.

### Perspective

- Winter is here in full force with snow packs in many areas north of the TransCanada Highway near normal to well above normal. Those areas with low soil moisture reserves are already getting a good start for the spring melt.
- While the full force of winter is upon most of us, take heart in the fact that the days will be getting longer in four weeks.

### Interesting Facts

- On November 19th, 2013, high in the mountains, the Lost Creek South station located near the continental divide west of Stavely, recorded more than 45 mm of precipitation over a three hour period, which is nearly two feet of snow. On that same day the total precipitation measured was 73 mm or about three feet of snow.
- Out on the plains between November 15th and November 17th, 2013, the Battle River Headwaters station, located just southwest of Pigeon Lake, recorded 33.7 mm of precipitation. That's over one foot of new snow. Since November 14th, this station has recorded 54.7 mm of precipitation which is equivalent to about two feet of new snow. In comparison, the normal precipitation accumulations for the entire month of November is just over 20 mm or about eight inches of snow.

**Additional Maps** can be found at [www.agriculture.alberta.ca/maps](http://www.agriculture.alberta.ca/maps)

**Near-real-time hourly station data** can be viewed/downloaded at [www.agriculture.alberta.ca/stations](http://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)

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