

# Agricultural Moisture Situation Update

## August 28, 2019

### Rainfall since August 15, 2019

During the latter half of August, most of the province lying south of the Swan Hills, has been relatively dry (**Map 1**). For a wide belt that extends east to west across the province, affecting lands as far south as Wetaskiwin and as far north as Slave Lake (**Map 2**), this has been a welcome change from the unusually wet weather that has persisted since the beginning of June. In contrast, parts of the of the Central Peace region (centered near Manning) have remained relatively wet with the Manning AGCM station recording nearly over 200 mm of rain since July 23, 2019.

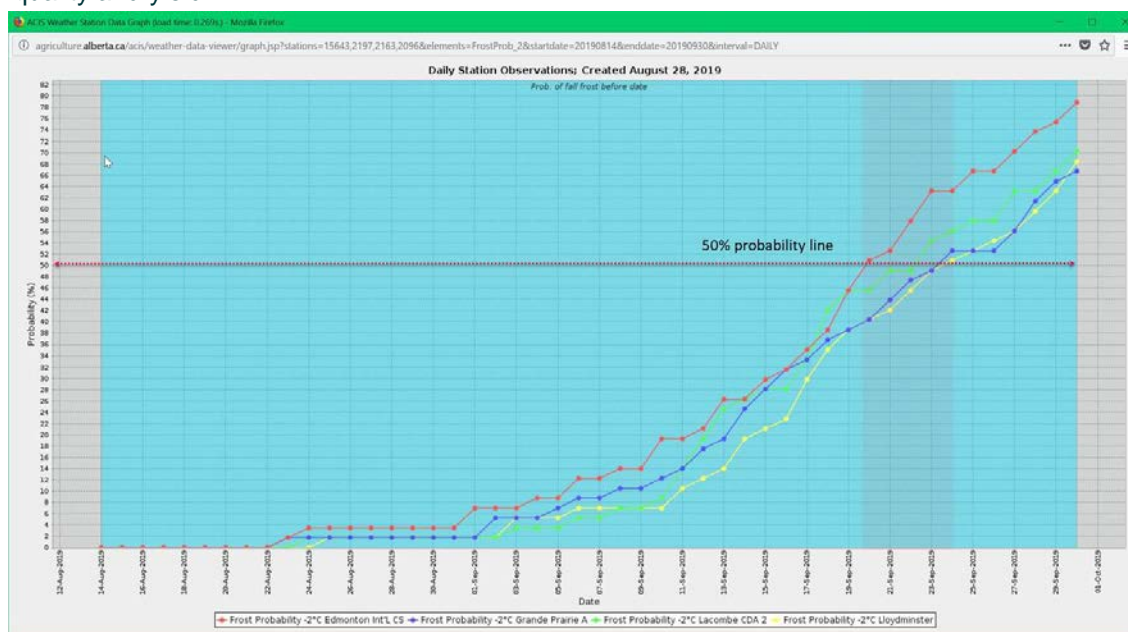
### Temperature over the past 90-days

For the most part, temperatures have remained below seasonal through out much of the province, with some areas between Camrose and Settler estimated to see temperatures this cool on average less than once in 12 years (**Map 3**). This has resulted in slower than normal crop growth. As a result, a warm and relatively dry September would be ideal for helping crops to mature and maintain optimum quality and yield.

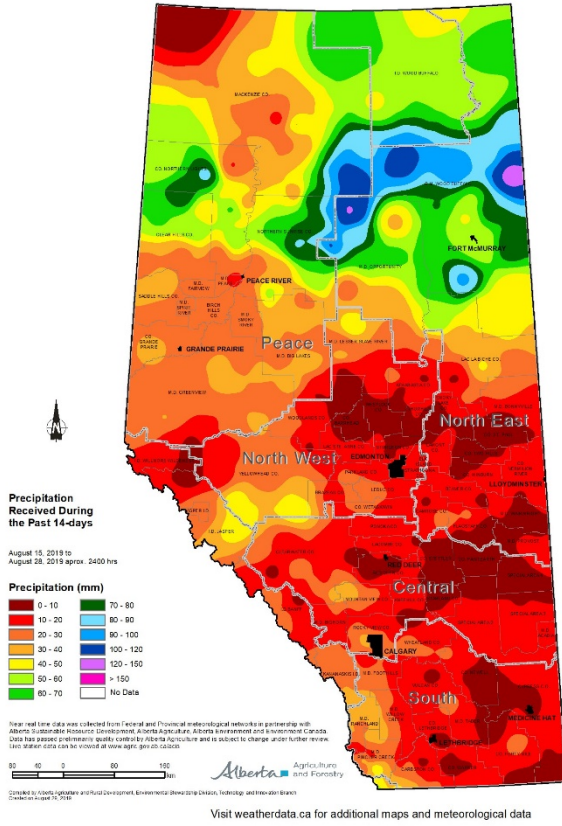
### Frost areas as of August 28, 2019

Across the central portions of Alberta, extending as far north as the southern Peace Region, the start of the fourth week in August, generally marks the appearance of the earliest fall frosts (-2C) in the meteorological record (**see Graph below**). However, historically these events are relatively rare with there being only about a 10% chance of seeing frosts as low as -2 C by September 5. After this, the chance of frosts increases rapidly, rising to 50% by September 20.

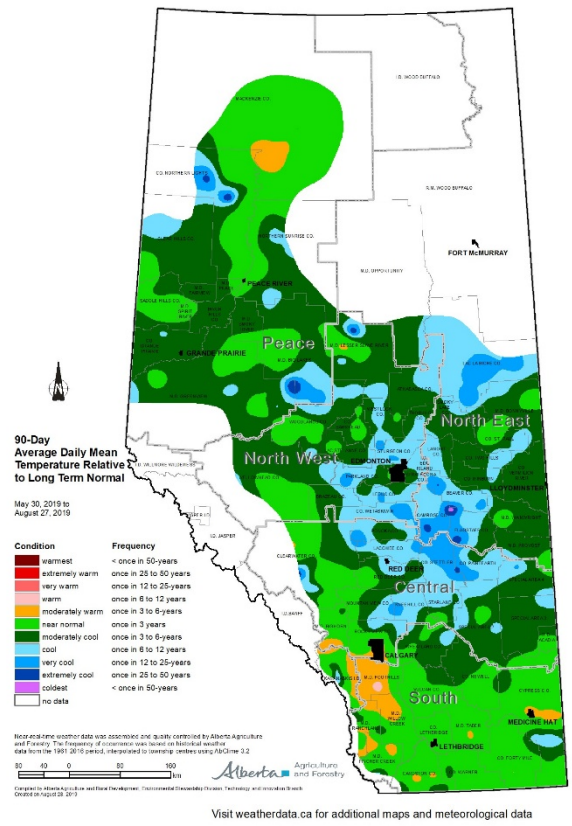
By August 28, some of the provinces agricultural areas experienced light frosts (**Map 4**). Frosts were generally wide spread across the extreme northern parts of the Peace Region, and in and along the foothills west of Beaverlodge, running all the way down to the US border. Other widely scattered pockets can be found here and there, but generally most of the agricultural areas have been frost free to date.



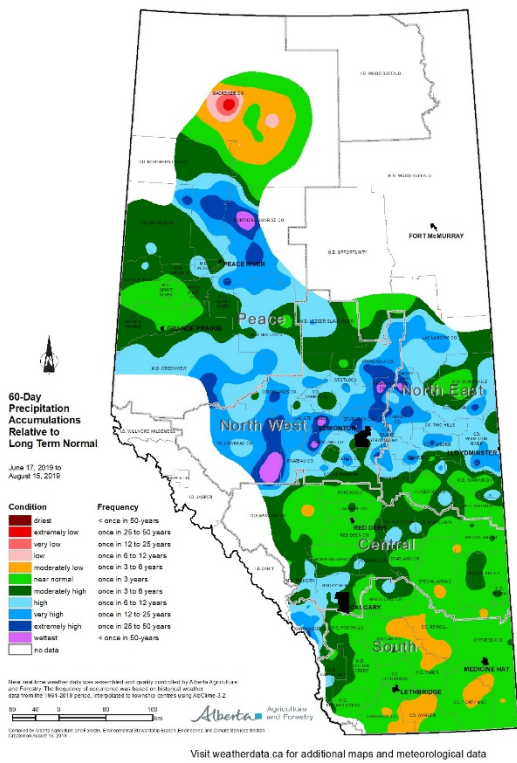
Map 1



Map 3



Map 2



Map 4

