

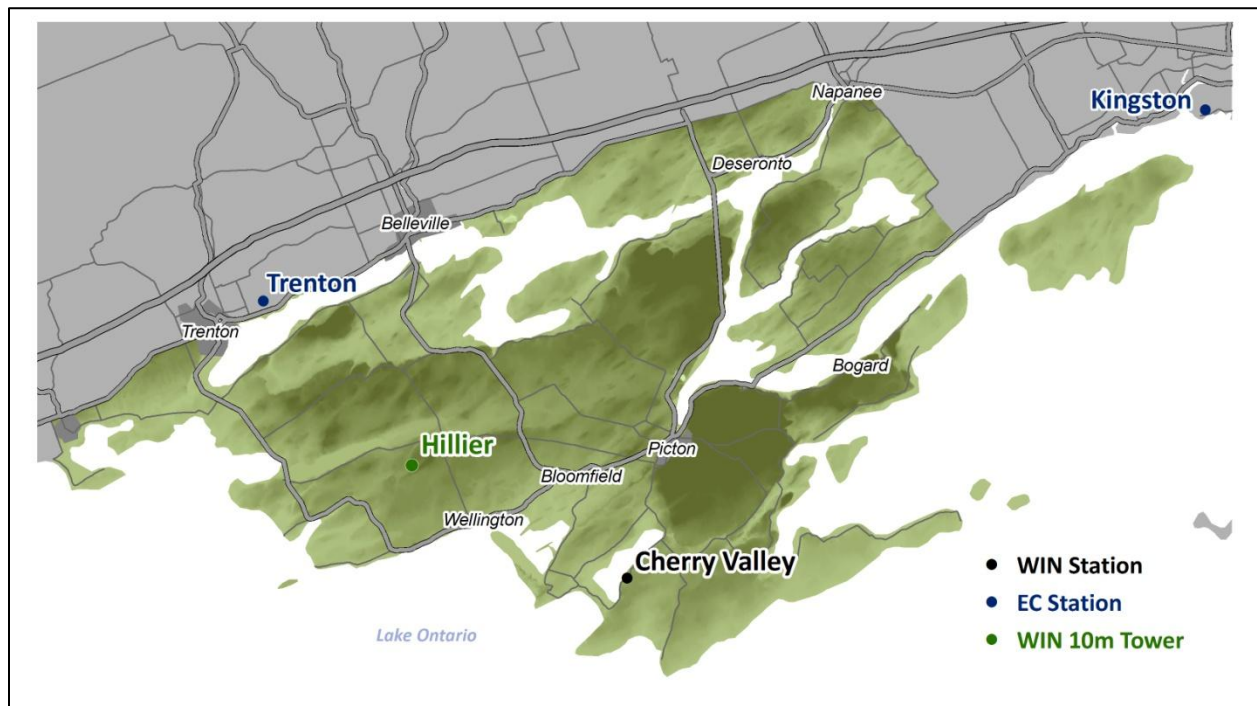


## Prince Edward County Appellation 2015 Growing Season Summary

### Overview

The 2015 growing season in the Prince Edward County appellation ended with above normal heat units. Daytime temperatures typically averaged above normal, while overnight lows were often below normal. June recorded significantly above normal rainfall, while the months before and after recorded significantly below normal precipitation.

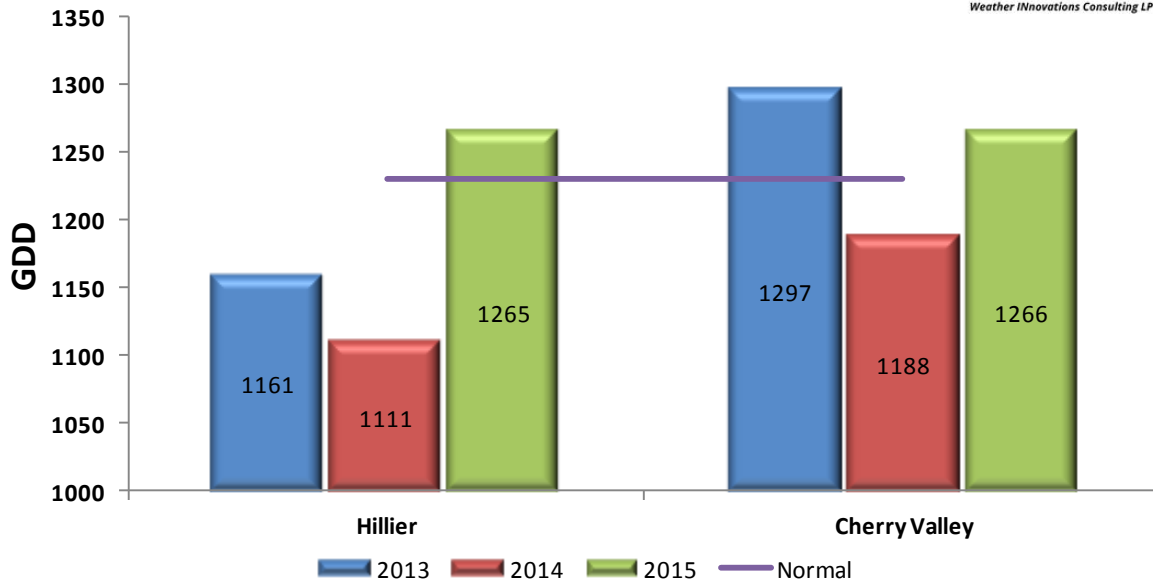
All of these attributes are examined in the following report. The 30-year normal's, used for comparisons in this report, were taken from Environment Canada's Picton location. The locations of stations referred to in this report are shown in the following map:



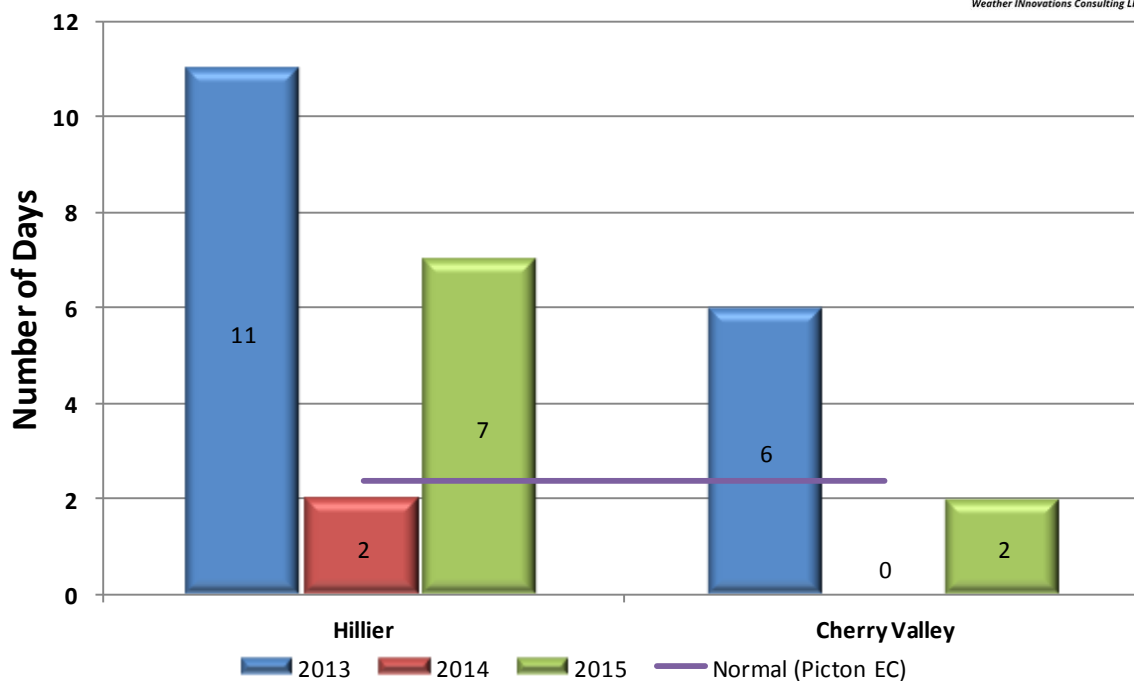




### Seasonal Accumulation of Base 10 °C Growing Degree Days (Apr 1 - Oct 31)



### The Number of Days from Apr-Oct Where Tmax was Greater Than 30 °C





### PEC: Average Daily Maximums Compared to Normal (2015)



	Apr	May	June	July	Aug	Sept	Oct
Normal (Picton EC)	10.8	17.7	22.3	25.4	24.4	20.0	13.4
Hillier	12.7	22.9	22.5	26.7	25.7	24.4	14
Cherry Valley	10.5	20.6	21.2	24.9	24.9	23.7	13.6

- Normal
- Above-normal
- Below-normal

### PEC: Average Daily Minimums Compared to Normal (2015)



	Apr	May	June	July	Aug	Sept	Oct
Normal (Picton EC)	2.0	8.2	12.7	16.1	15.9	11.8	5.5
Hillier	0.0	6.2	9.8	13.3	14.7	13.2	3.8
Cherry Valley	0.9	7.9	11.3	15.1	15.9	13.9	4.7

- Normal
- Above-normal
- Below-normal

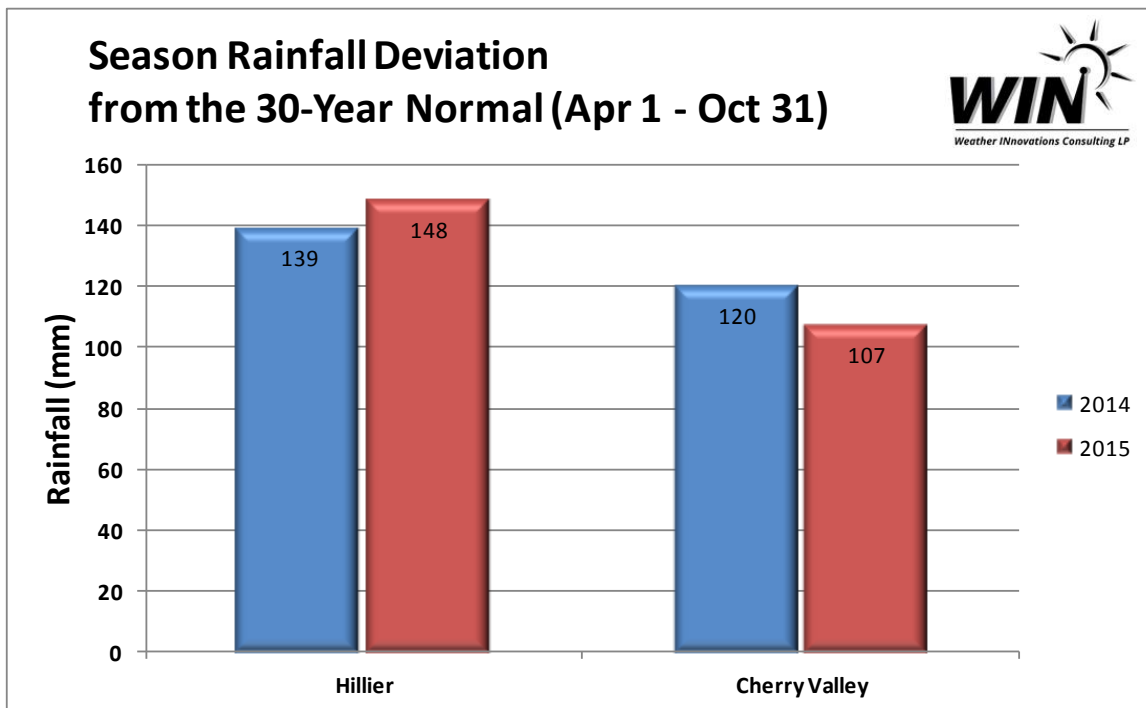


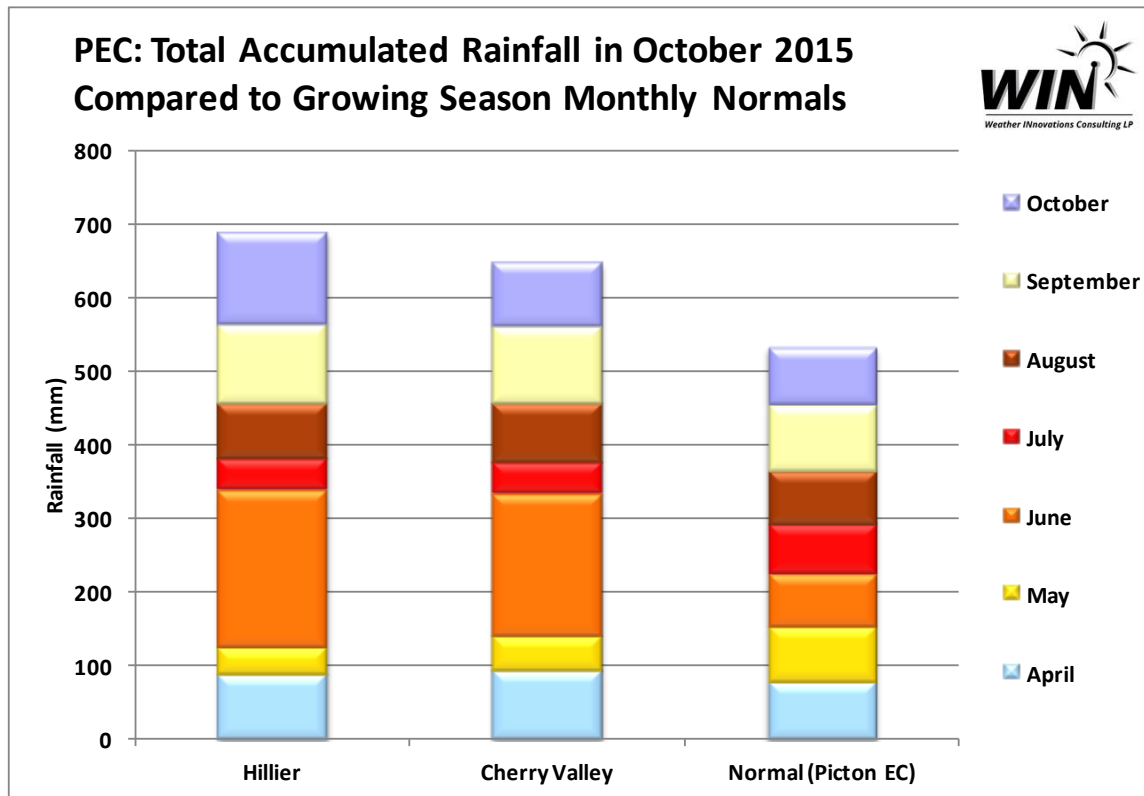
## Precipitation

The 2015 growing season can be summarized as having above normal precipitation from April through October, with the exception of May and July having below normal rainfall. Overall, the growing season precipitation averaged 121 % of normal at Cherry Valley and 129 % Hillier.

April precipitation averaged 115 % of normal across Prince Edward County. Below normal rainfall occurred in May with Hillier at only 51 % of normal rainfall, while Cherry Valley received 62 % of normal rainfall. The month of June was the wettest with Hillier receiving 294 % of normal and Cherry Valley receiving 266 % of normal precipitation.

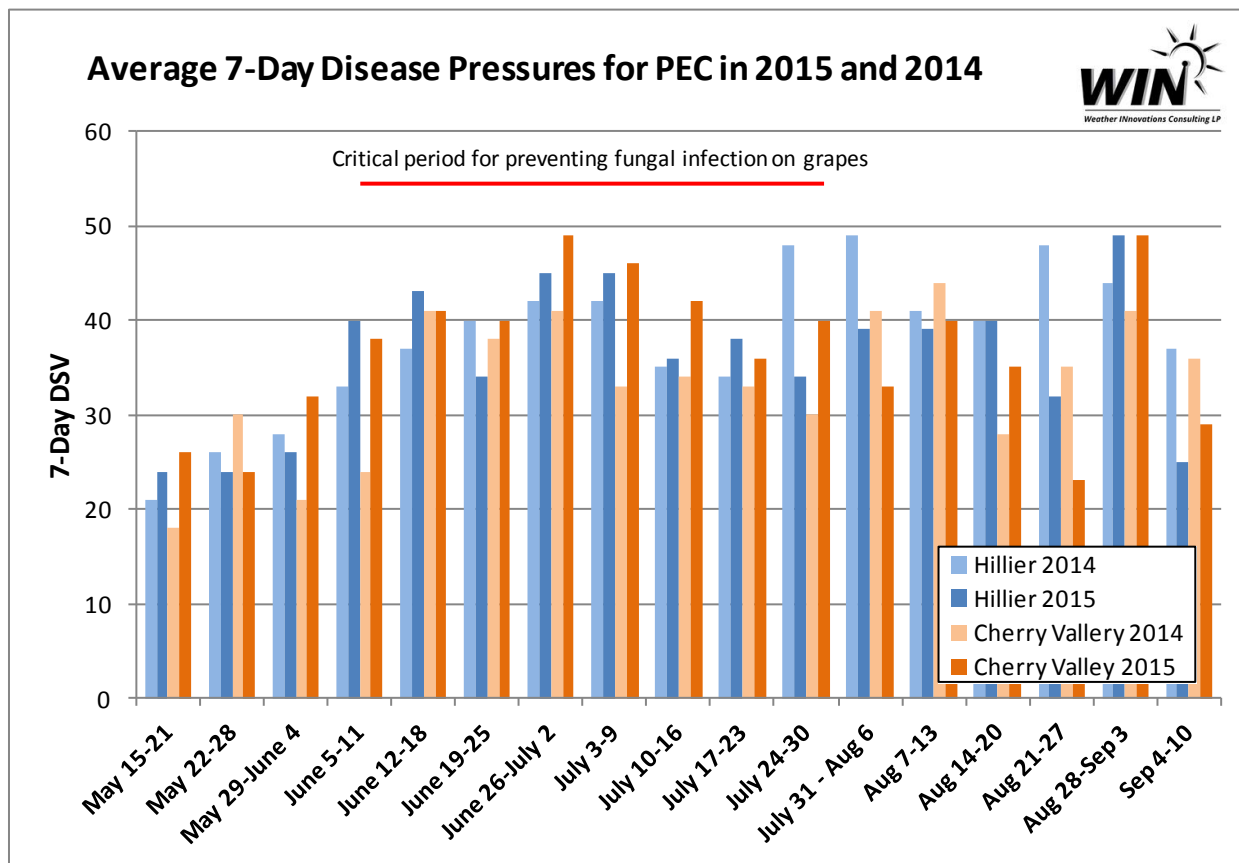
The month of July was similar to May with Prince Edward County receiving 64 % of normal precipitation on average. August rainfall was slightly above normal at both locations. Cherry Valley recorded 109 % of normal rainfall during August, while Hillier received 101 % of normal during the month. September was fairly wet across the appellation as 118 % of normal precipitation fell across the region. October rainfall was also above normal values with Hillier recording 160 % of normal and Cherry Valley recording 113 % of normal.





## Disease Pressure

The Prince Edward County appellation experienced contrasting seasonal disease pressure at the two locations, as compared to 2014's disease pressure. Hillier was below the 2014 average and Cherry Valley was above, although their fluctuations generally matched throughout the season. The graph below shows that the beginning of the season was the most critical period for keeping a tight spray schedule to reduce the chances of infection on the fruit. These periods had a high accumulation of disease severity values. In particular, June 5 to 11 and July 3 to 9, especially at Cherry Valley, show notably higher disease pressure as compared to the same periods in 2014. The end of the season however, had noticeably lower disease pressure than 2014, in particular the weeks of July 31 to August 6, August 21 to 27, and September 4 to 10 for both locations. Hillier was also considerably lower than 2014, from July 24 to 30.



## Conclusion

The 2015 growing season accumulated above normal heat units with above normal daytime high temperatures and below normal overnight low temperatures. Stations recorded below normal precipitation during May and July, but made up for it in June with excess rainfall. Above normal precipitation was also recorded during April, and August through October. Above normal daytime high temperatures occurred at both stations during May, and August through October. Overnight low temperatures remained below normal at both locations throughout the season; with the exceptions being above normal in September and Cherry Valley recorded normal August overnight low temperatures.

## Contact Us

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