

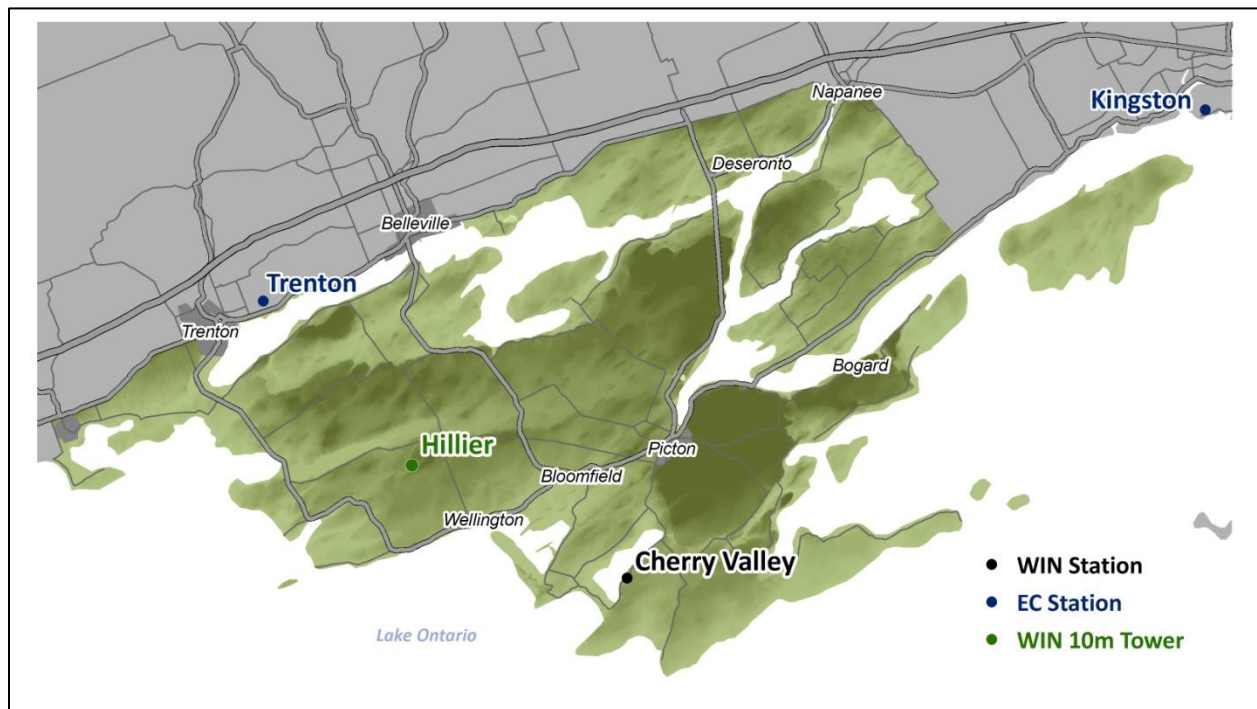


Prince Edward County Appellation 2014 Growing Season Summary

Overview

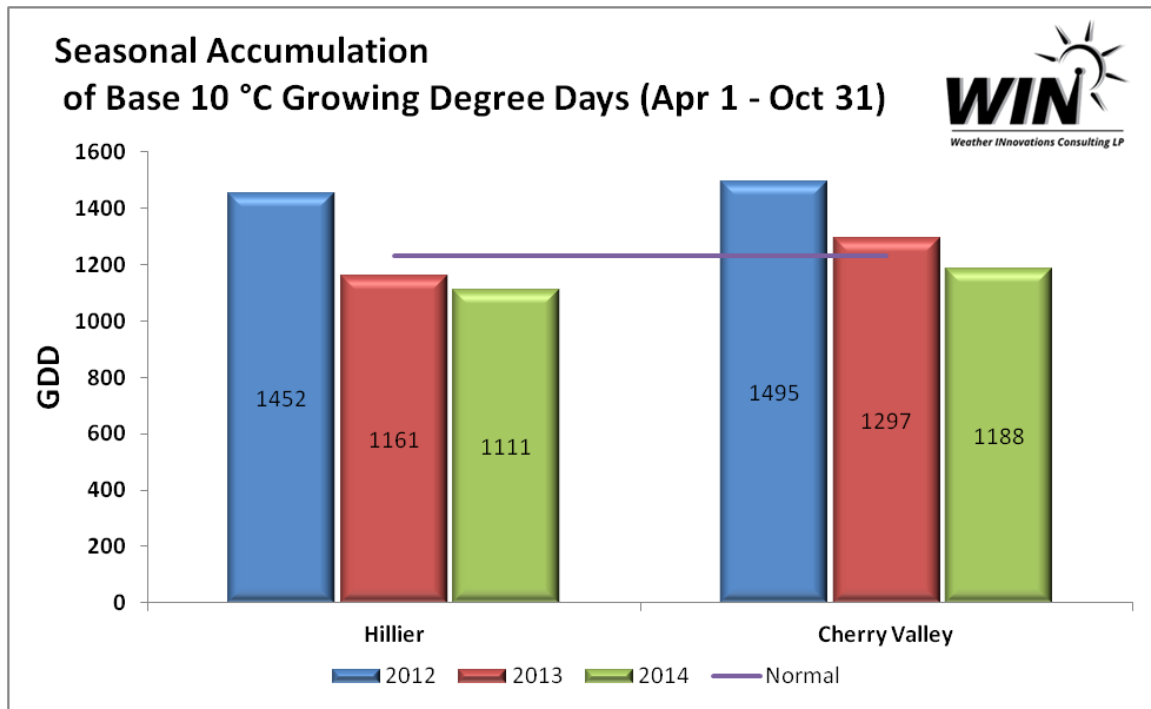
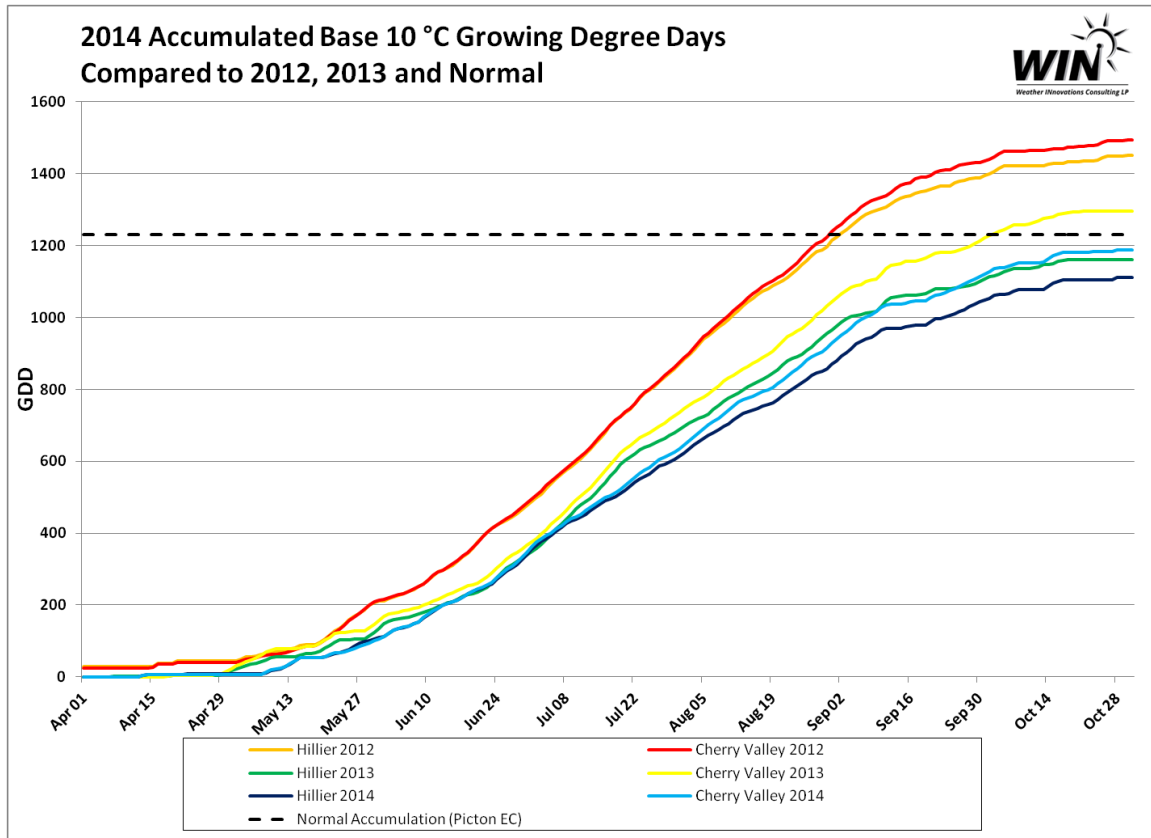
The 2014 growing season in the Prince Edward County appellation ended with slightly below normal heat units. Daytime temperatures typically averaged above normal, while overnight lows were often below normal. The season began with above normal rainfall through to the end of July and ended with below normal to near normal precipitation over August through October.

All of these attributes are examined in the following report. The 30-year normals, 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:



Temperature and Growing Degree Days

Close to normal April daytime high temperatures and below normal overnight low temperatures resulted in a below normal accumulation of base 10 °C growing degree days to start the growing season. Above normal daytime highs continued throughout the season while overnight lows remained below normal over the season. Cherry Valley recorded two days above 30 °C, near the normal value for the area. Hillier did not record any days above 30 °C in 2014. The following graphs illustrate these temperature attributes:





PEC: Average Daily Maximums Compared to Normal (2014)



	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	11.6	19.8	25.1	25.9	25.4	23.1	16.3
Cherry Valley	10.4	17.8	23.6	24.0	24.5	21.4	15.3

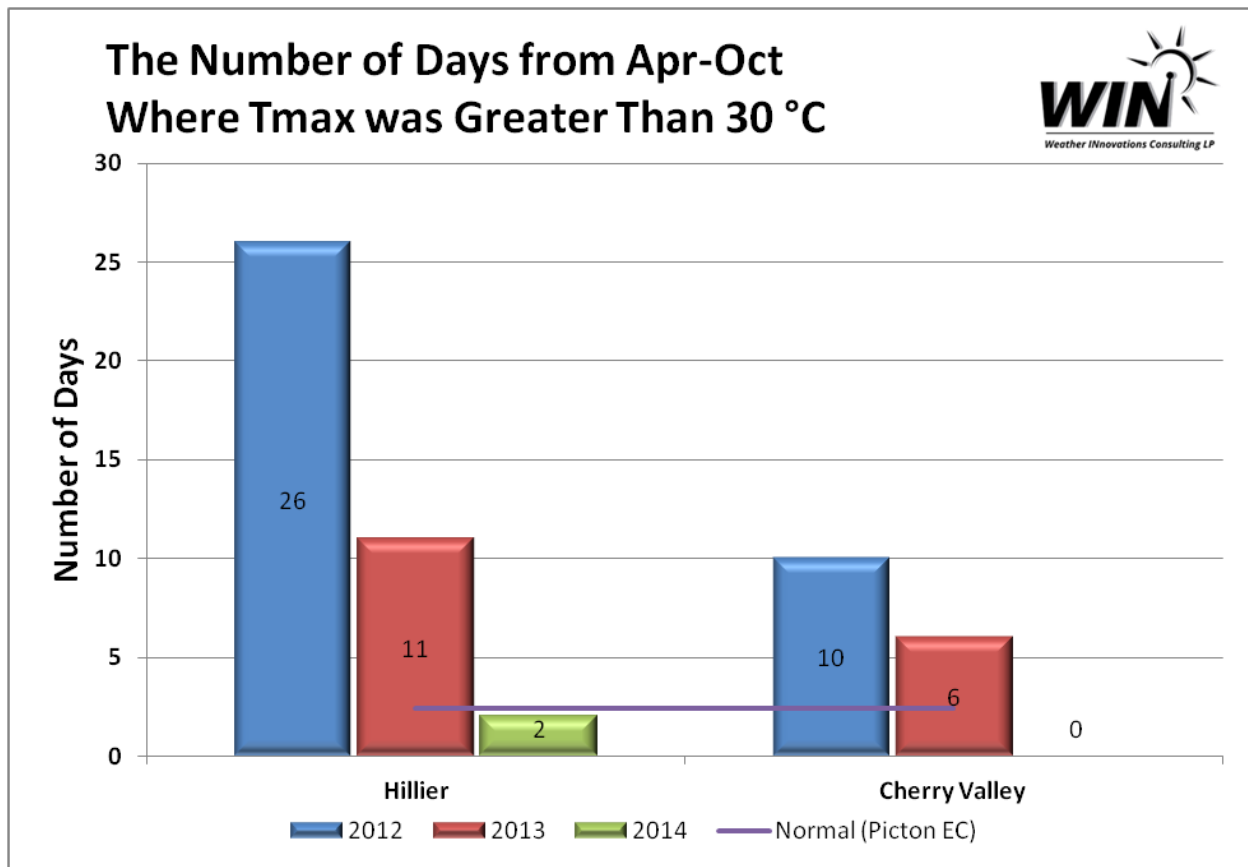
— Normal
— Above-normal
— Below-normal

PEC: Average Daily Minimums Compared to Normal (2014)



	Apr	May	June	July	Aug	Sept	Oct
Normal (Picton EC)	2	8.2	12.7	16.1	15.9	11.8	5.5
Hillier	-0.7	5.9	10.2	11.8	11.2	8.0	5.2
Cherry Valley	0.4	7.6	12.5	14.5	14.6	10.8	7.4

— Normal
— Above-normal
— Below-normal

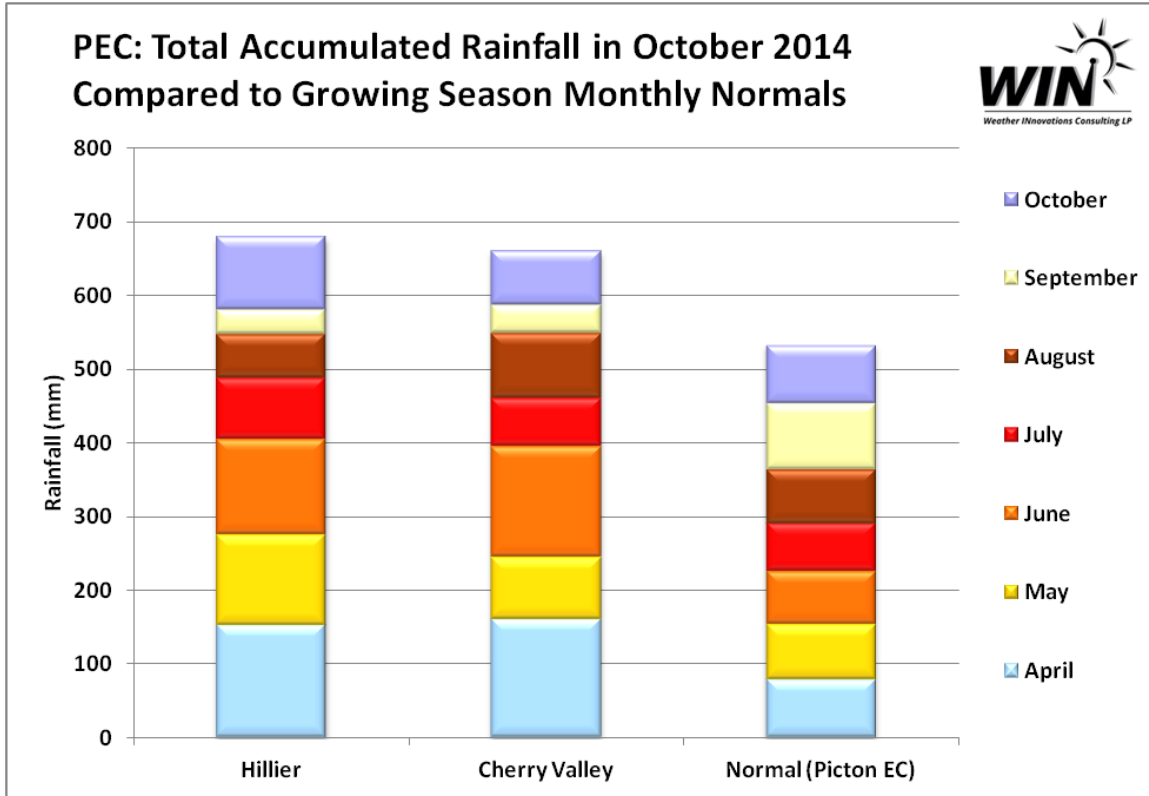
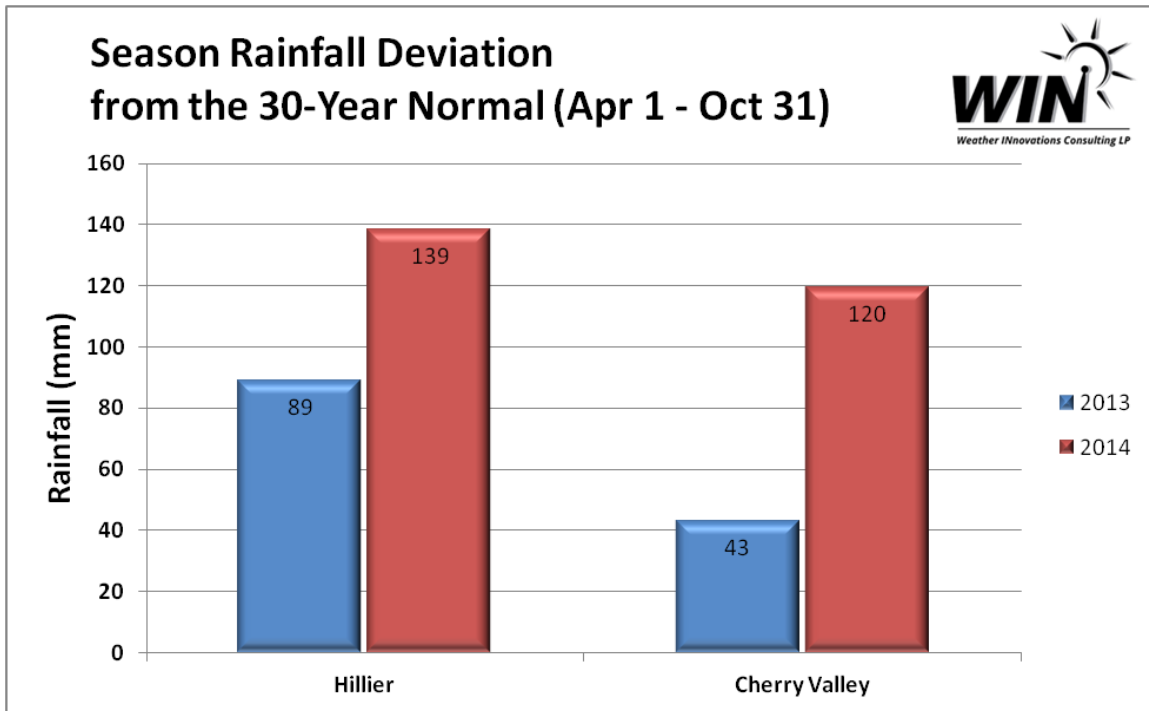


Precipitation

The 2014 growing season can be summarized as having above normal precipitation from April through July followed by a near normal August, dry September, and near normal October. Overall, the growing season precipitation averaged 124 % of normal at Cherry Valley and 127 % Hillier.

April precipitation averaged 200 % of normal across Prince Edward County. Above normal rainfall continued into May with Hillier recorded 167 % of normal rainfall, while Cherry Valley received 113 % of normal rainfall. June continued with excess rainfall with Prince Edward County receiving 193 % of normal precipitation on average.

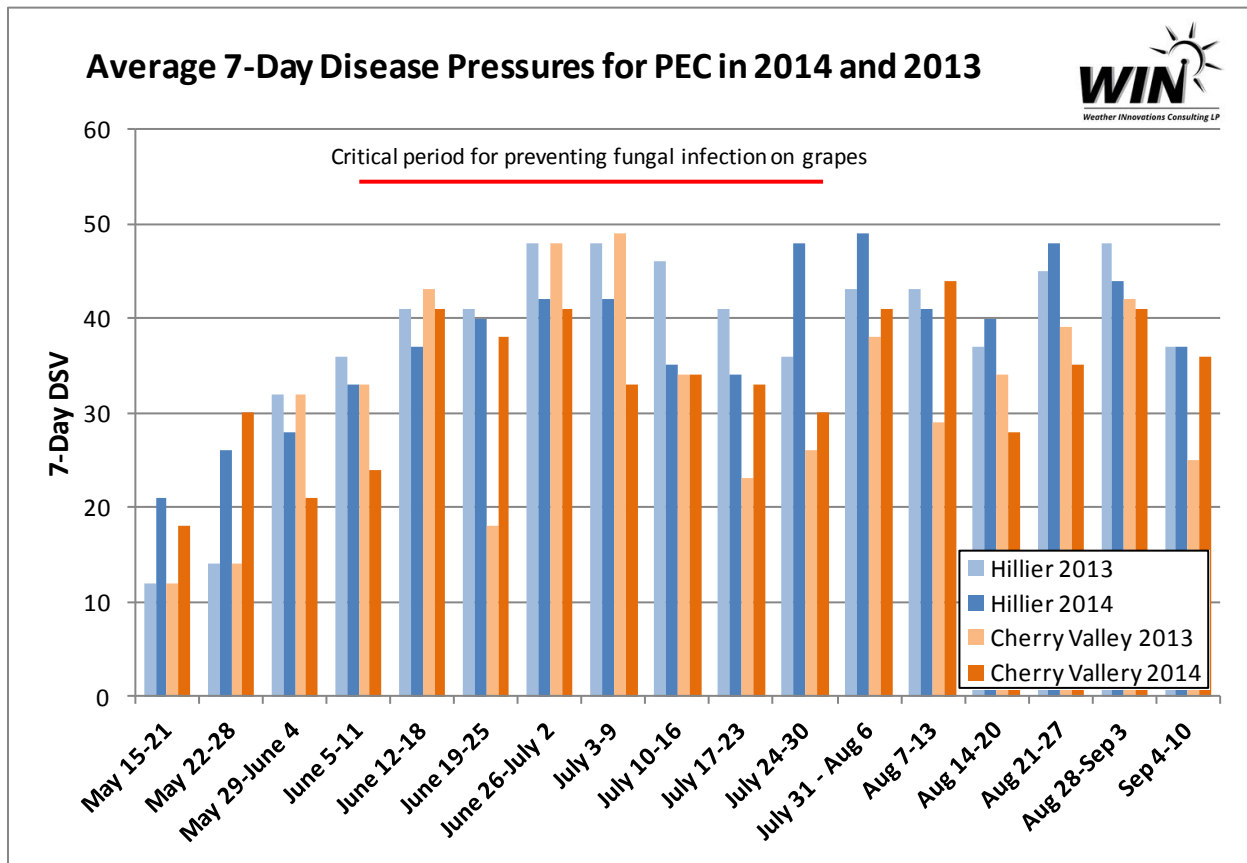
July rainfall was normal at Cherry Valley and slightly above normal at Hillier. Cherry Valley recorded 118 % of normal rainfall during August, while Hillier only received 80 % of normal during the month. September was dry across the appellation as only 41 % of normal precipitation fell across the region. October rainfall returned to near normal values with Hillier recorded 126 % of normal and Cherry Valley recording 94 % of normal.





Disease Pressure

The Prince Edward County appellation experienced average to high seasonal disease pressure, similar as compared to 2013's disease pressure. The graph below shows that the majority of June and July were the most critical periods 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 19 to 25 at Cherry Valley and July 24 to 30 at Hillier show notably higher disease pressure as compared to the same periods in 2013.





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Conclusion

The 2014 growing season accumulated below normal heat units with near to above normal daytime high temperatures and below normal overnight low temperatures. Stations recorded above normal precipitation during April, May, and June. Near normal precipitation was recorded during July, August, and October. September was notable for its dry conditions. Above normal daytime high temperatures occurred at both stations during September and October. Overnight lows temperatures remained below normal at Hillier for September and October, while Cherry Valley recorded below normal September overnight low temperatures and above normal overnight lows in October.

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