

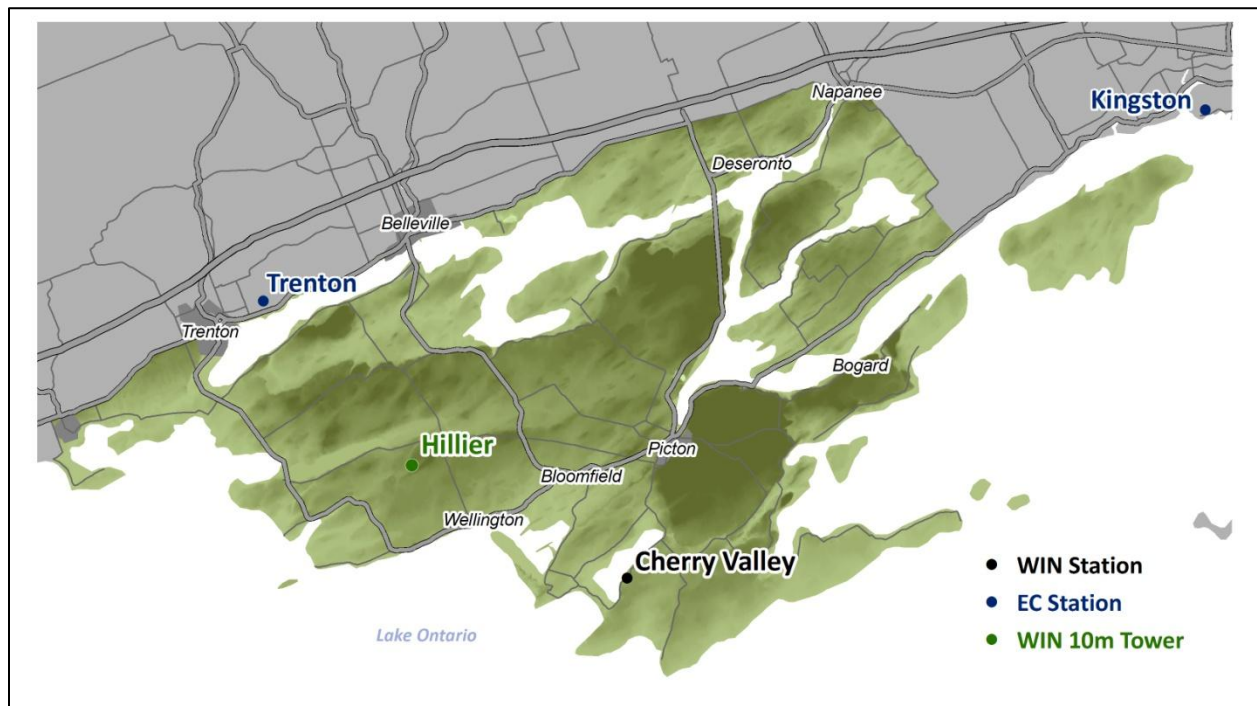


Prince Edward County Appellation 2016 Growing Season Summary

Overview

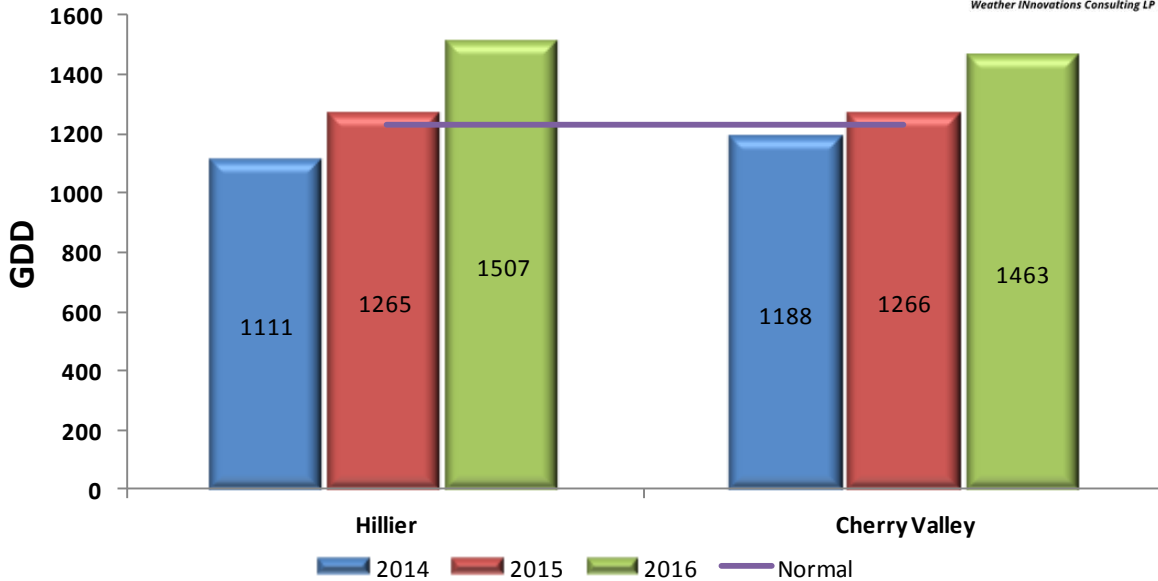
The 2016 growing season in the Prince Edward County appellation ended with above normal heat units. Daytime temperatures typically averaged above normal, while overnight lows were often near-to-below normal. Below normal precipitation opened the season and continued through to July with August and October recording significantly above 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:

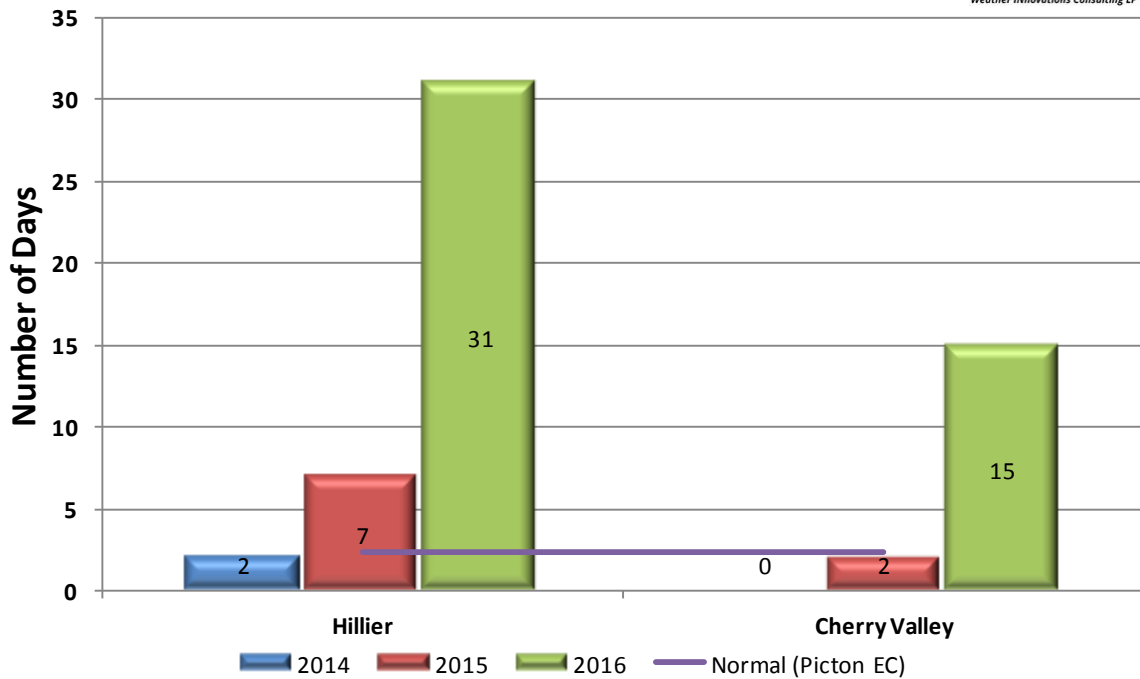




Seasonal Accumulation of Base 10 °C Growing Degree Days (Apr 1 - Oct 31)



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





PEC: Average Daily Maximums Compared to Normal (2016)



	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	10.2	20.4	25.3	29.5	29.2	24	15.1
Cherry Valley	9.7	18.8	23.8	27.5	28.0	23.3	15

- Normal
- Above-normal
- Below-normal

PEC: Average Daily Minimums Compared to Normal (2016)



	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	-0.8	6.8	11.3	16.1	17.2	11.8	5.8
Cherry Valley	-0.7	7.3	11.7	17.1	18.0	12.7	6.7

- Normal
- Above-normal
- Below-normal

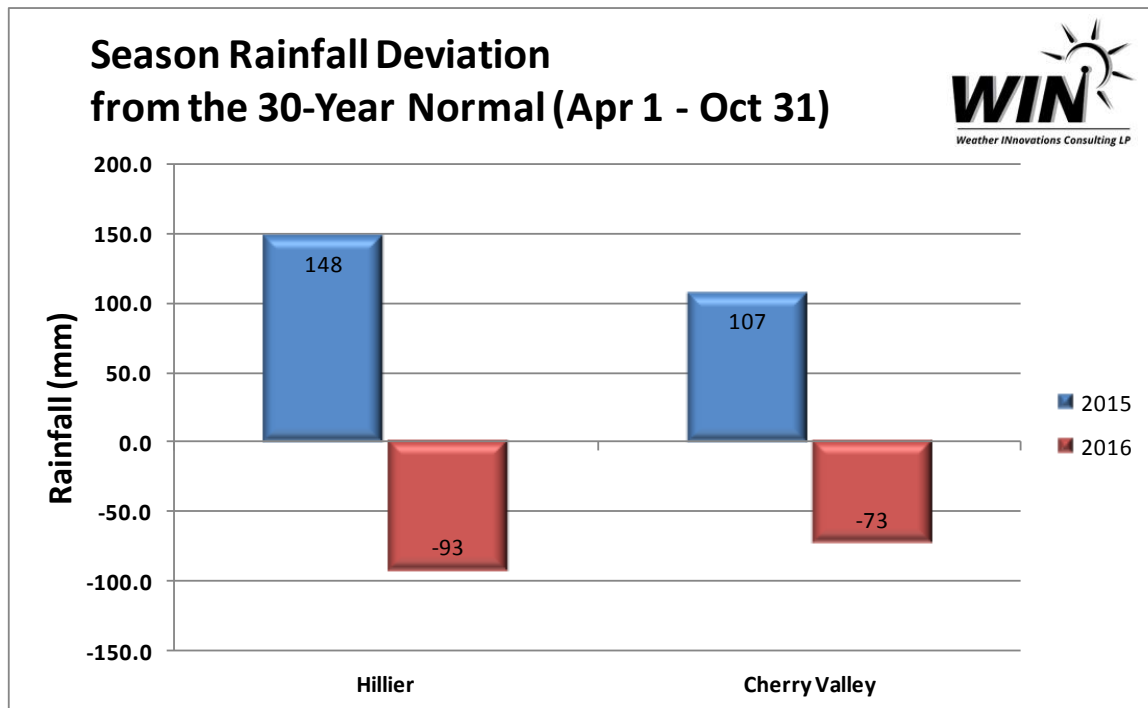


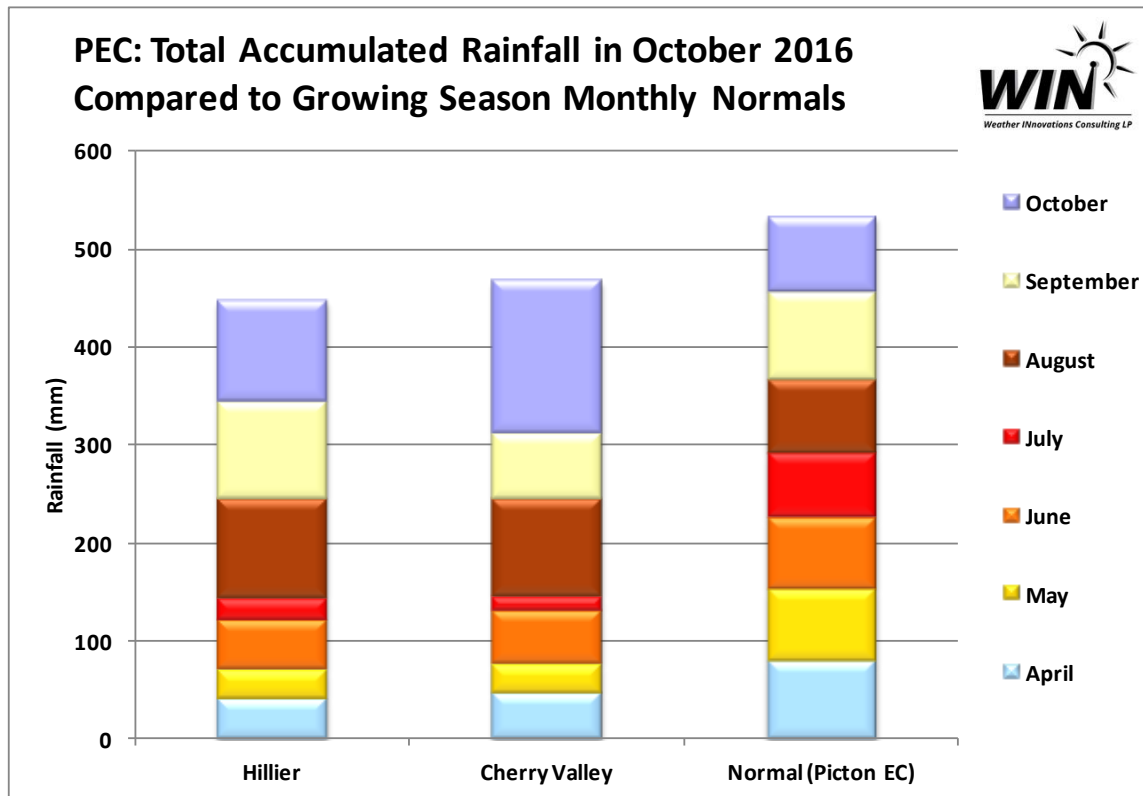
Precipitation

The 2015 growing season can be summarized as having below normal precipitation from April through July, with above normal precipitation during August through October. Overall, the growing season precipitation averaged 88 % of normal at Cherry Valley and 84 % Hillier.

April precipitation averaged 56 % of normal across Prince Edward County. Below normal rainfall continued into May with 39 % of normal precipitation across the appellation. Precipitation rose slightly during June, as the appellation received 74 % of normal rainfall. July was the driest month as Hillier recorded 34 % of normal rainfall while Cherry Valley recorded only 23 % of normal.

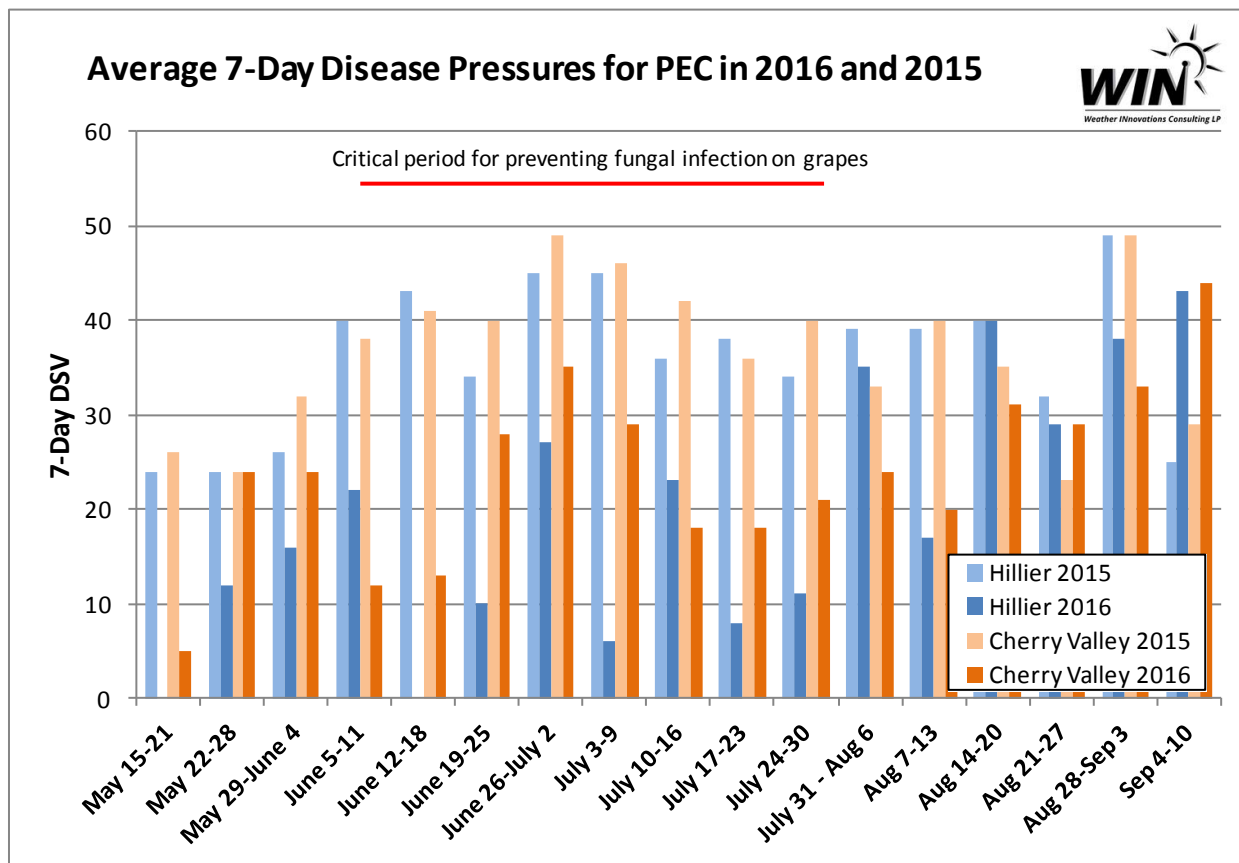
August rainfall rose to above normal at both locations with the appellation receiving 135 % of normal precipitation. During September, Hillier recorded 111 % of normal precipitation while Cherry valley returned to below normal values at 75 % of normal. October rainfall was also above normal values with Hillier recording 131 % of normal and Cherry Valley recording 197 % of normal.





Disease Pressure

The Prince Edward County appellation experience less disease pressure throughout the season compared to 2015. The graph below shows that August 14 through September 10 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. Throughout the majority of the season, from May 15 through August 13, the appellation had less disease pressure than in 2015.



Conclusion

The 2016 growing season accumulated above normal heat units with above normal daytime high temperatures and below-to-near normal overnight low temperatures, with August having above normal overnight lows. Stations recorded below normal precipitation during April through July. Above normal precipitation was recorded during August through October. Above normal daytime high temperatures occurred at both stations during May through October, with April temperatures being below normal. Overnight low temperatures remained below normal from April through June with near-to-above normal low temperatures in July through October.

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