

Weather INnovations Incorporated PO Box 23005, Chatham, ON N7L 0B1 Ph: 519-352-5334

July 2012:

Significantly hot temperatures continued this month. Daytime highs averaged 3.5 °C above normal, while overnight lows averaged closer to normal. The maximum temperature surpassed 30 °C on 14 days in Hillier and 6 in Cherry Valley. This is well above the 30-year normal of 1 day. As of the end of June, accumulated growing degree days remain nearly as high as the same point in time during the 2010 growing season, which was a great year for heat accumulation. March through July growing degree days totaled 856 and 863 for Hillier and Cherry Valley, respectively.

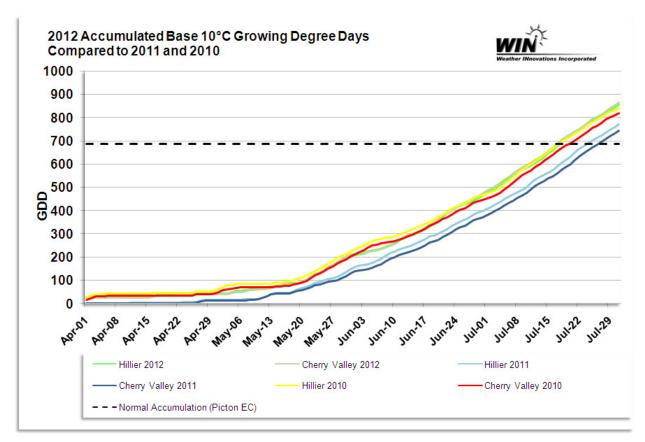


Figure 1: Growing Degree Days

The month of July brought above-normal rainfall totals for Hillier but below-normal totals for Cherry Valley. Monthly accumulations were 139% of normal for Hillier and 89% of normal for Cherry Valley. The April – July accumulated rainfall is close to normal for this appellation, as compared to the much drier Niagara and Lake Erie North Shore appellations. The 2012 growing season, thus far, has averaged 111% and 86% of normal rainfall accumulation for Hillier and Cherry Valley, respectively.



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PEC: Average Daily Maximums
Compared to Normal (2012)



	Apr	May	June	July	Aug	Sept	Oct
Normal (Picton EC)	10.8	17.7	22.3	25.4	24.4	20	13.4
Hillier	12.0	22.0	25.2	30.3			
Cherry Valley	10.8	21.0	23.9	28.1			

Normal
Above-normal
Below-normal

Figure 2: Daily Maximums

PEC: Average Daily Minimums Compared to Normal (2012)

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	Apr	May	June	July	Aug	Sept	Oct
Normal (Picton EC)	2	8.2	12.7	16.1	15.9	11.8	5.5
Hillier	0.0	8.7	12.5	15.1			
Cherry Valley	1.4	10.0	14.1	17.2			·

Normal
Above-normal
Below-normal

Figure 3: Daily Minimums



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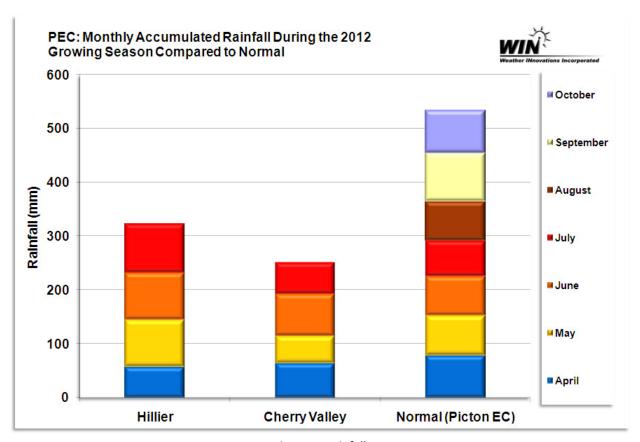


Figure 4: Rainfall