

## June 2013:

Above-normal day-time temperatures in May transitioned into close-to-normal June temperatures. Both daily maximums and minimums across the Lake Erie North Shore appellation averaged slightly below normal this month. This departure from significantly above-normal temperatures put the brakes on the seasonal growing-degree-day accumulation. The resulting monthly accumulation of growing degree days (base 10°C) was slightly below normal. The growing-degree-day accumulation at the end of May was well ahead of the 2011 growing season but is only slightly ahead of the 2011 growing season as of the end of June. Overall, the growing degree day accumulation is only slightly ahead of normal thus far.

The month of June brought excessive rainfall, despite week-long dry periods occurring from June 3-9 and 18-24. As a result, June rainfall equaled 248% of normal at Colchester, 227% of normal at Kingsville and 118% of normal at Cedar Springs.

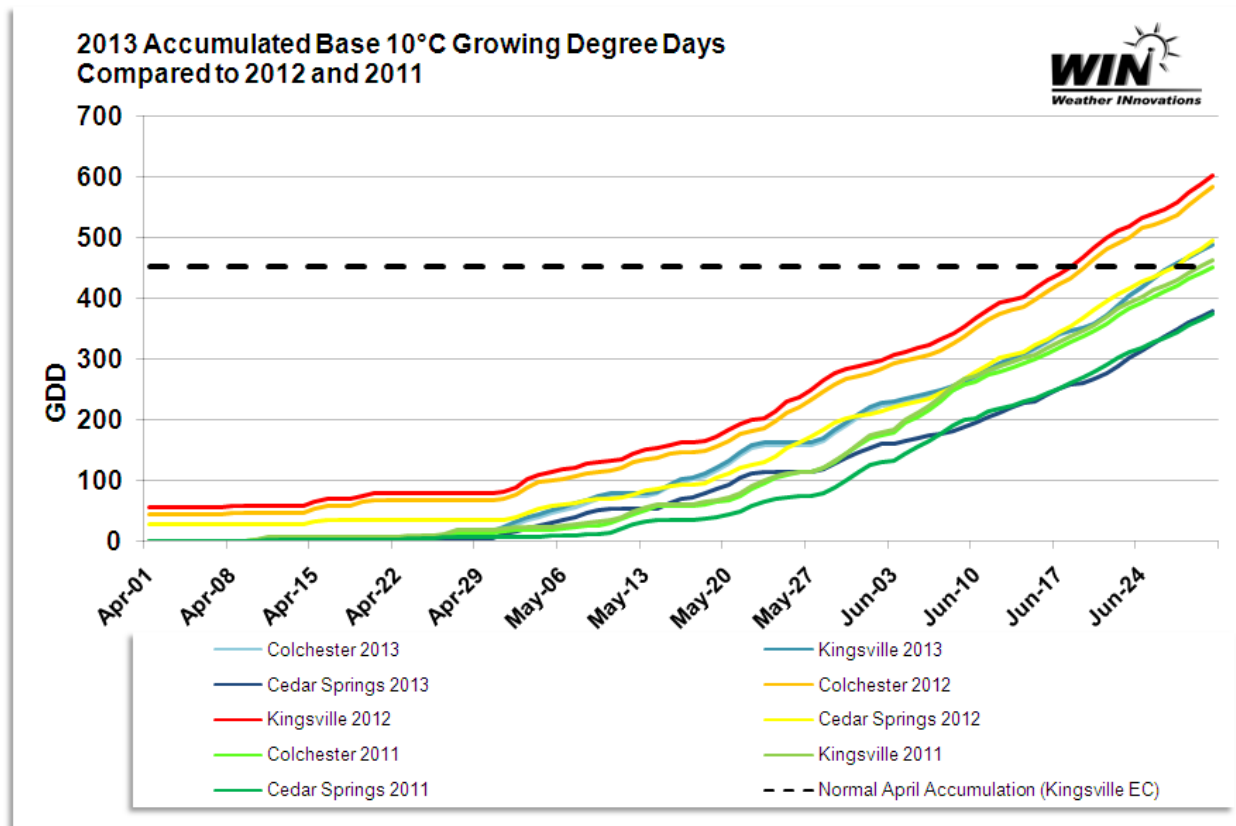


Figure 1: Growing Degree Days

**LENS: Average Daily Maximums  
Compared to Normal (2013)**

	Apr	May	June	July	Aug	Sept	Oct
Normal (Kingsville EC)	11.8	18.9	23.8	26.5	25.5	21.6	14.9
Colchester	10.8	21.1	23.5				
Kingsville	10.9	21.2	23.7				
Cedar Springs	9.4	18.6	21.3				

— Normal  
— Above-normal  
— Below-normal

Figure 2: Maximum Temperatures

**LENS: Average Daily Minimums  
Compared to Normal (2013)**

	Apr	May	June	July	Aug	Sept	Oct
Normal (Kingsville EC)	2.9	9.5	15.1	17.8	16.8	12.9	6.6
Colchester	2.4	10.4	15.4				
Kingsville	1.9	9.9	14.9				
Cedar Springs	1.7	9.0	14.3				

— Normal  
— Above-normal  
— Below-normal

Figure 3: Minimum Temperatures

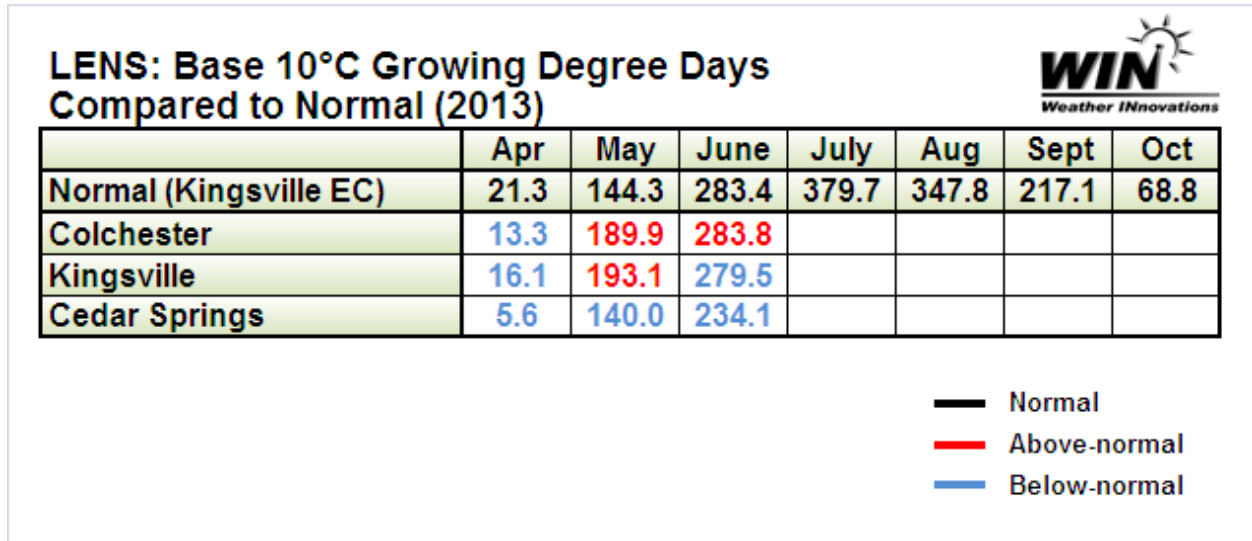


Figure 4: Growing Degree Days

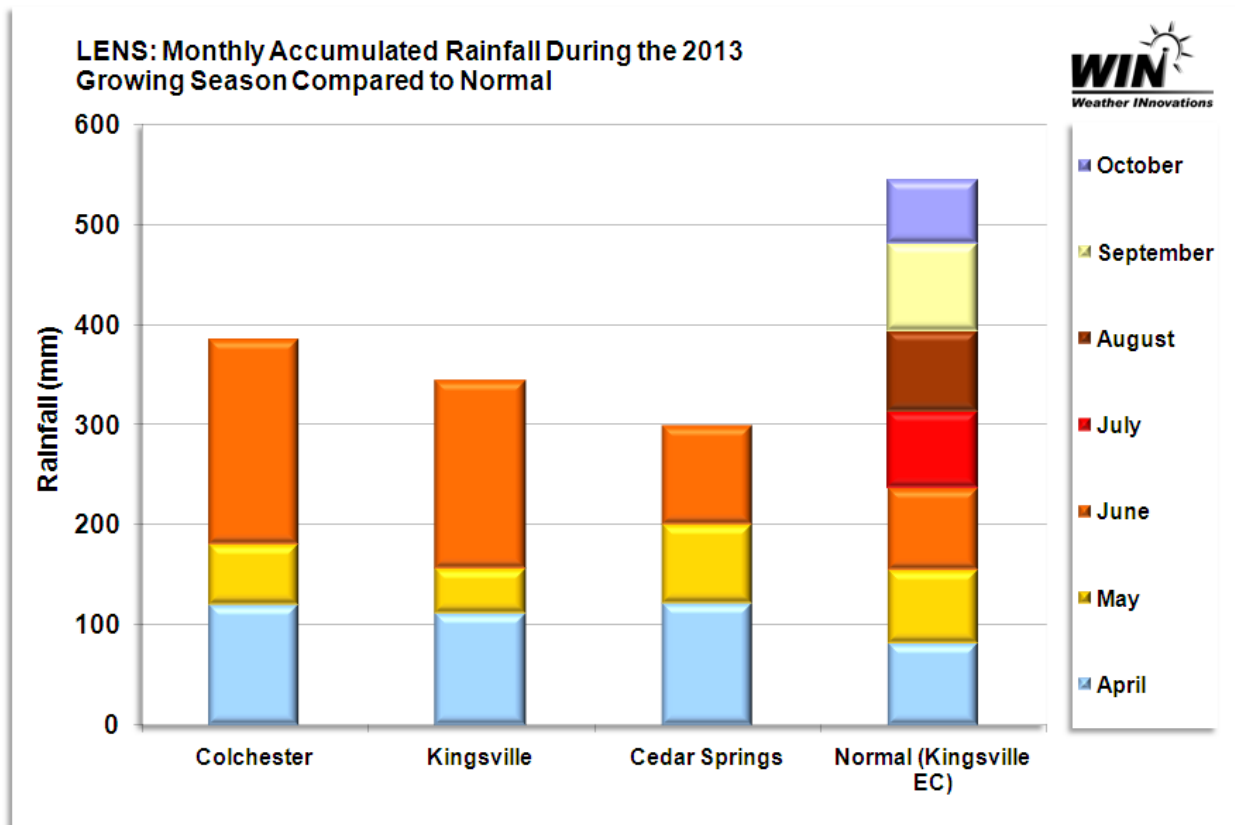


Figure 5: Rainfall