

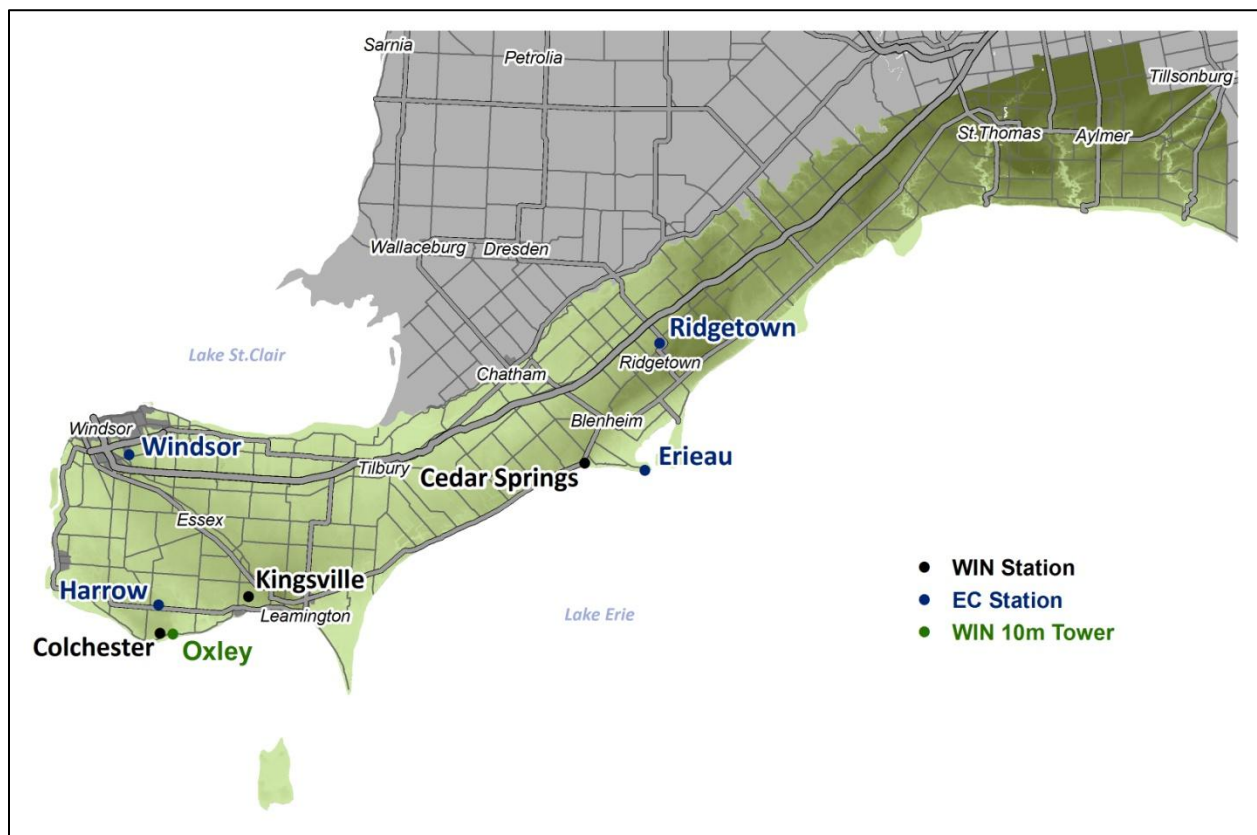


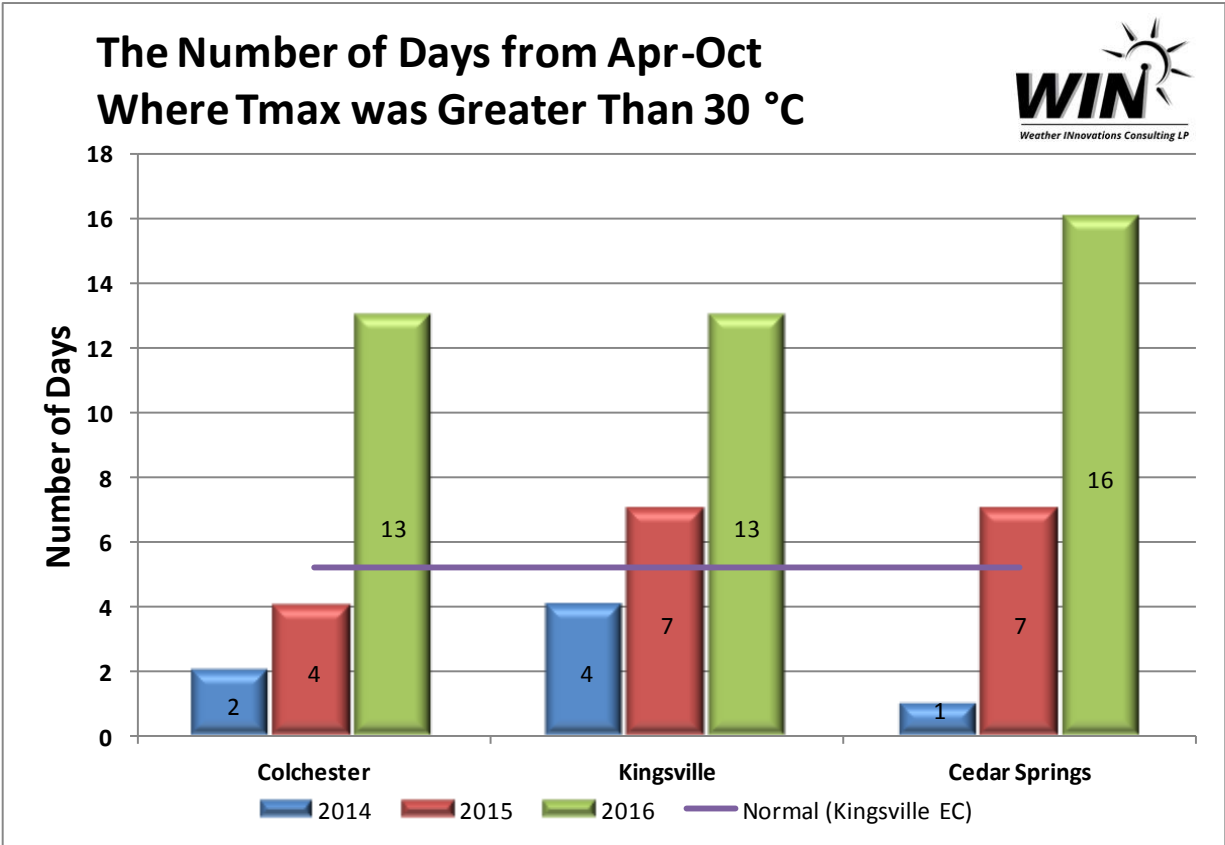
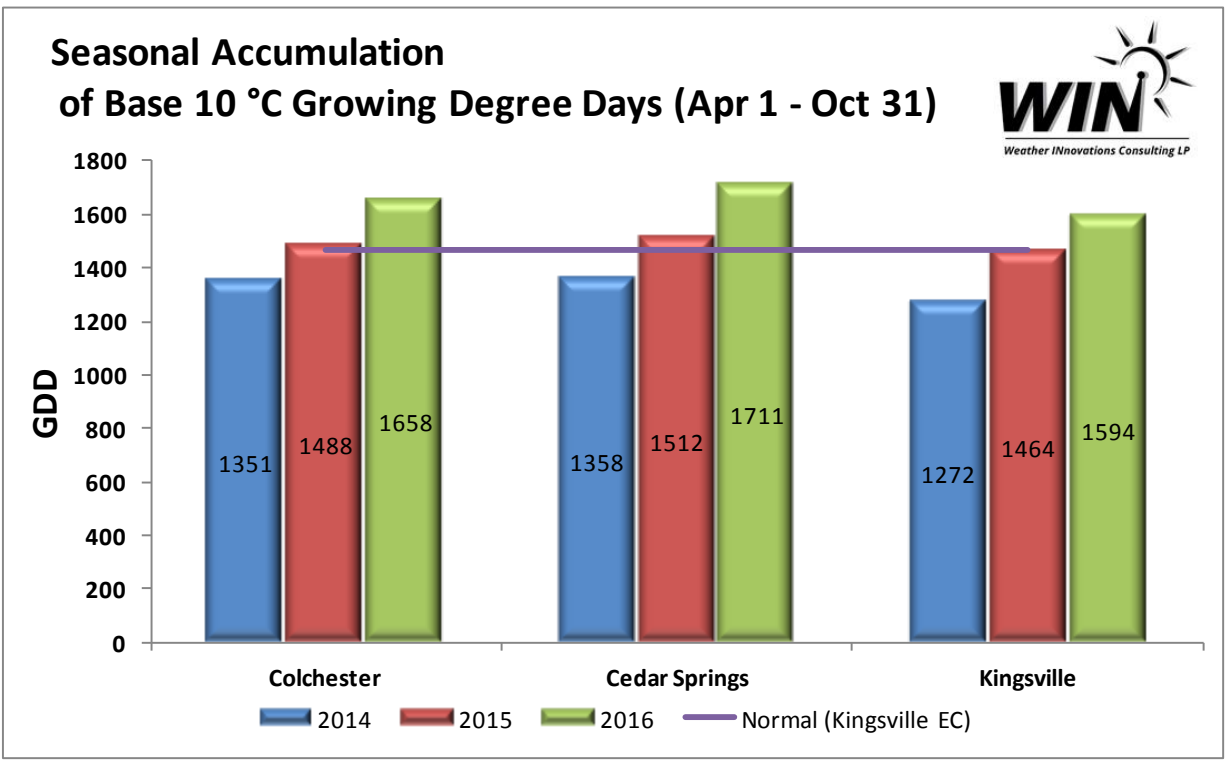
Lake Erie North Shore Appellation 2016 Growing Season Summary

Overview

The 2016 growing season in the Lake Erie North Shore appellation ended with slightly above normal heat units. Daytime high and overnight low temperatures were below normal during April, while above normal temperatures occurred in the summer and fall. The months of July through October recorded above normal rainfall, while the April through June was 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 Kingsville location. The station locations referred to in this report are shown in the following map:







LENS: Average Daily Maximums Compared to Normal (2016)



	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	10.9	19.2	25.7	27.9	27.7	24.2	17.2
Kingsville	11.0	19.2	25.6	27.2	27.3	24.0	17.2
Cedar Springs	9.4	17.5	24.8	28.0	28.7	24.6	17.8

— Normal
— Above-normal
— Below-normal

LENS: Average Daily Minimums Compared to Normal (2016)



	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	1.7	9.2	14.4	18.3	18.4	14.4	8.6
Kingsville	1.3	9.2	14.5	17.4	17.4	13.3	8.1
Cedar Springs	2.1	9.3	14.6	18.6	19.6	15.5	9.8

— Normal
— Above-normal
— Below-normal

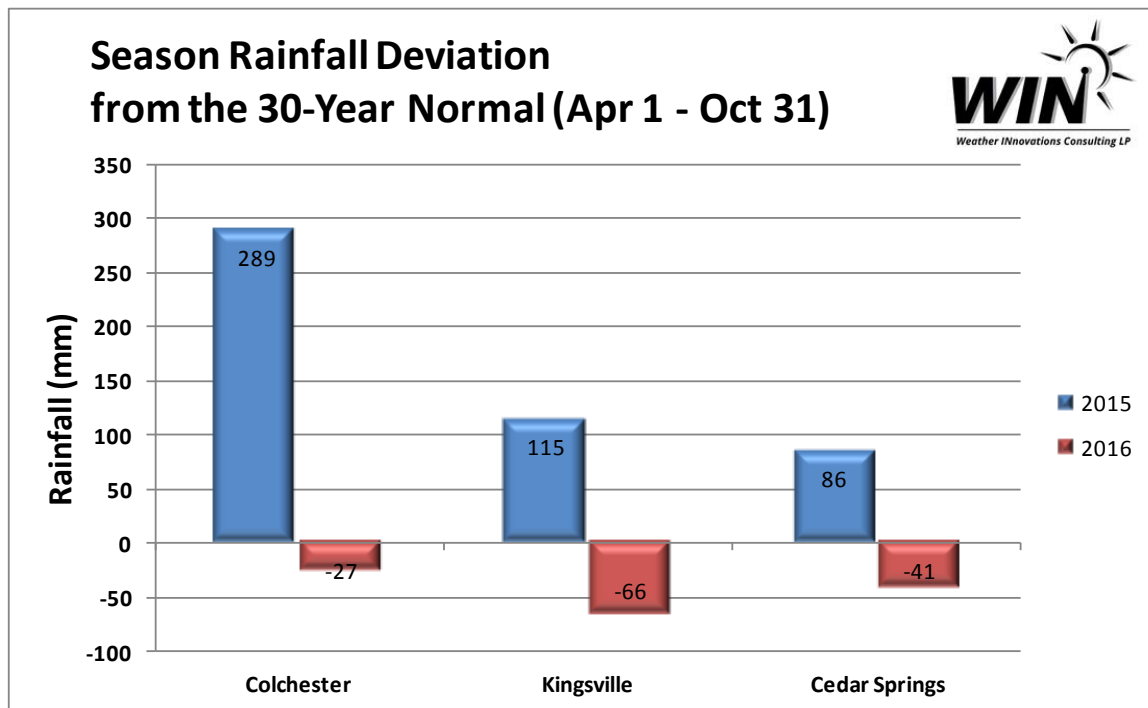


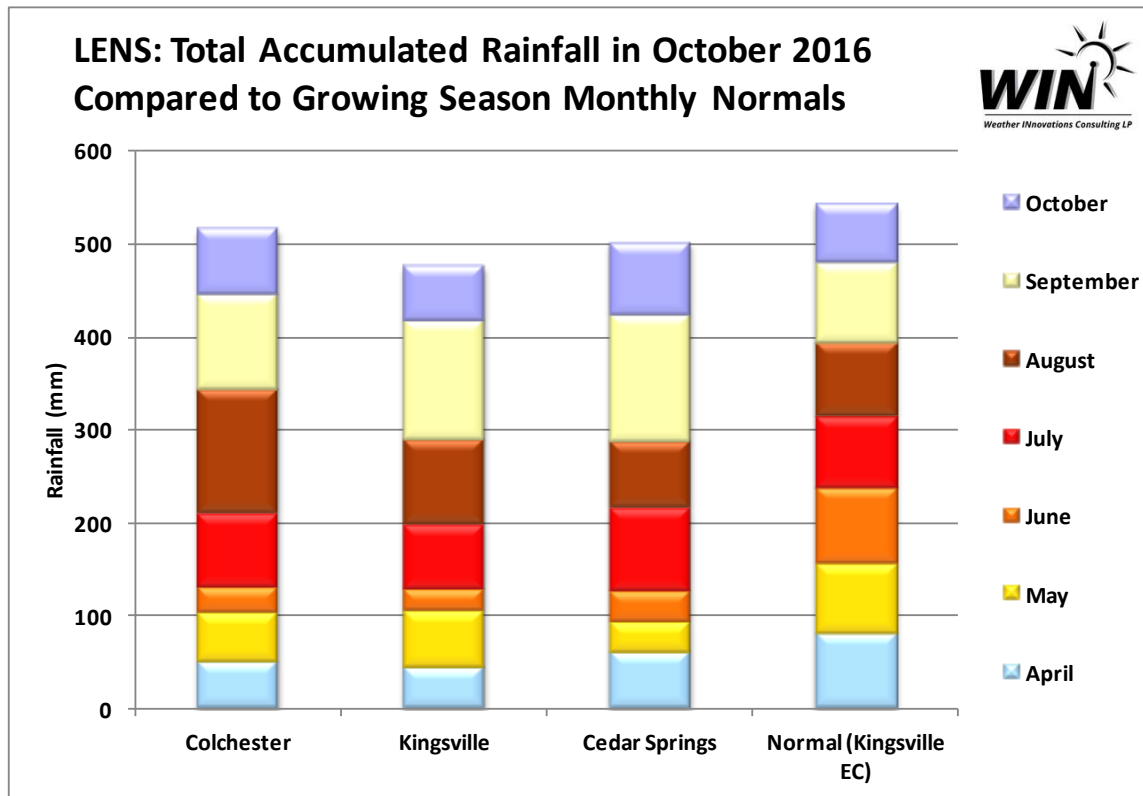
Precipitation

The 2016 growing season can be summarized as having below normal rainfall from April through to the end of June with above normal rainfall during July through October. Overall, the growing season precipitation averaged 95 % of normal at Colchester, 88 % of normal at Kingsville, and 92 % of normal at Cedar Springs.

April precipitation averaged 64 % of normal across the three stations. Similarly, the appellation recorded 66 % of normal rainfall during May. June was the driest month of the year with the stations recording an average of 35 % normal precipitation.

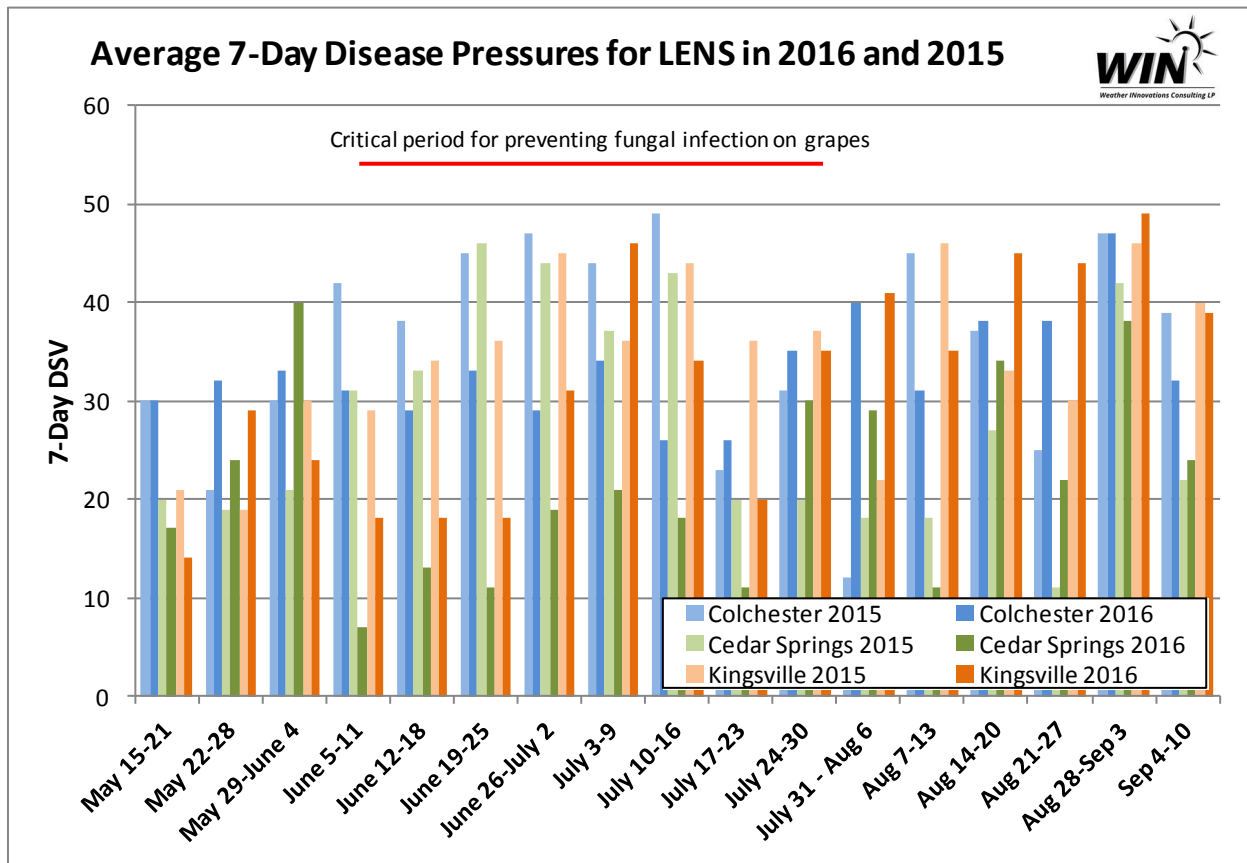
July precipitation returned to normal with an average of 104 % of normal at the three stations. During August, Colchester recorded 165 % of normal, while Kingsville and Cedar Springs were 113 % and 89 % of normal, respectively. The appellation averaged 142 % of normal rainfall during September with Colchester receiving 119 % of normal while Kingsville and Cedar Springs recorded 149 % and 158 %, respectively. October rainfall averaged 108 % across the stations.





Disease Pressure

The Lake Erie North Shore appellation experienced less disease pressure at all three stations than in 2015. The graph below shows that the May 29 to June 4, July 3 to 9, and August 28 to September 3 periods were the most critical periods during 2016. These periods had a high accumulation of disease severity values. The periods of June 5 to July 2 shows notably lower disease pressures than in 2015.



Conclusion

The 2016 growing season accumulated above normal heat units and was notable for above below-to-near-normal spring temperatures and above normal summer and fall temperatures. Excess precipitation fell during August and September at some locations. A dry spring was followed by normal to above normal precipitation during the summer and fall. The season opened with below normal overnight lows which continued throughout June. Temperatures remained above normal throughout August through October.

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