## MONTHLY CLIMATE SUMMARY, SEPTEMBER 2019 NIU WEATHER SERVICE: DE KALB, IL.

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30 93 22 71 47 66 60 63 0 2 13 0.02 0   Temperature 1981-2010 AVG. HI: 75.3 (F) Precipitation Degree Days OOLING: 9/19: 86.5 9/19: 86.5   1981-2010 AVG. LOW: 52.8 (F) Sept. 2019 TOTAL: 9.56 in. Sept. 2019 NOW: 0 1/19-Now: 747.5 1/19-Now: 747.5   1981-2010 AVG. TEMP:: 64.1 (F) Sept. 2019 SOW: 0 Sept. SNOW AVG: 0 1/19-Now: 39.5 7/19-Now: 39.5   Sept. 2019 AVG. LO: 58.2 (F) Sept. SNOW AVG: 0 7/19-Now: 39.5 7/19-Now: 39.5 7/19-Now: 2839   Sept. 2019 AVG. TEMP:: 66.6 (F) Ilquid-eq. YEAR TO DATE AVG: 29.08 in. 2019-20 Seasonal SNOW TO DATE: 0 GROWING: 9/19: 499			-		-		-		-	-			-		
Temperature   Precipitation   Degree Days     1981-2010 AVG. HI: 75.3 (F)   Sept. 2019 TOTAL: 9.56 in.   COOLING:   9/19: 86.5     1981-2010 AVG. LOW: 52.8 (F)   Sept. AVG.: 3.16 in.   1/19-Now: 747.5     1981-2010 AVG. TEMP.: 64.1 (F)   Sept. 2019 SNOW: 0   HEATING:   9/19: 37.5     Sept. 2019 AVG. HI: 75.1 (F)   Sept. SNOW AVG: 0   7/19-Now: 39.5     Sept. 2019 AVG. LO: 58.2 (F)   2019 liquid-eq. YEAR TO DATE: 34.57 in.   GROWING:   9/19: 499     Sept. 2019 AVG. TEMP.: 66.6 (F)   liquid-eq. YEAR TO DATE AVG.: 29.08 in.   1/19-Now: 2839   2019-20 Seasonal SNOW TO DATE: 0								-		-					
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## **Discussion**

September had a mean temperature of 66.6 °F, which is 2.5 degrees above the historical average of 64.1 °F. The average high temperature of 75.1 °F was just 0.2 degrees above the historical average of 75.3 °F. The average low temperature of 58.2 °F was 5.4 degrees above the historical average of 52.8 °F. The month of September 2018 had the 9th highest mean temperature since 1966. It also had the 3rd highest average low temperatures in the past 53 years. We saw 18 days with above average high temperatures and 22 nights with above average low temperatures.

September's precipitation total for 2019 was 9.56 in, which is 303% of normal. This marks September 2019 as the 2nd wettest September since 1966, and the 4th wettest since 1895 (start of the combined Sycamore/Dekalb climate record. Although September was extremely wet, there were no days with record precipitation. This brings the year to date liquid equivalent total to 34.57 in., which is 5.49 in. above the liquid equivalent year to date average. The wettest day of the month was the 13th, when 2.98 in. of rain fell. Rainfall was evenly distributed throughout the month, with 51% of it falling in the first half.

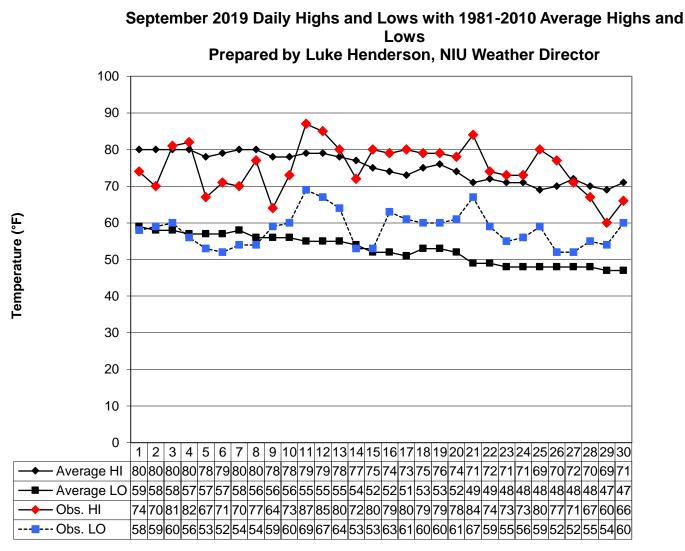
The total number of growing degree days for the month of September was 499 days. This put the total number of growing degree days since January to 2839 days. There were 86.5 cooling degree days, putting the total since January to 747.5 total cooling degree days. The past month also saw a total of 37.5 heating degree days occur, which brings 2019's total of heating degree days to 39.5.

Billy Faletti, Matthew Gontarek, Victoria Lockhart, Kyle Pittman, Ben Warren - Cooperative Observers

Luke Henderson & Nick Rodeo-Weather Director

This summary was prepared by Luke Henderson, 11 October 2019. Forecast information (updated once daily at approx. 7:30 am): (815) 753-1623. Climate Website: http://climate.niu.edu

The Climate Summary is supported by the Department of Geography, the College of Liberal Arts and Sciences, and the Department of Operations.



Day