

# Staying Safe this Hurricane Season!

Meadow's Weather/Hurricane Analysis: June & July 2023 Report

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## Rainfall & Temperature Data:

	June	July
Rainfall for month:	4.08 inches	2.85 inches
Rainfall year-to-date:	11.90 in.	14.75 in.
25 yr. rainfall average:	8.64 in.	8.21 in.
Daytime high temperature:	93.8 F (normal: 91.0 F)	98.1 (normal: 92 F)
Above normal temperature days:	23	31
Record high-temperature days:	2	22

**Are you safe?** Last month, the emphasis was on preparation. Now, it's time to think about our personal safety. But, when it comes to our safety and well-being, it's not just hurricanes that concern us, it's the "heat" that we experience during the summer months of June- September. Excessive heat is reported to be the number-one weather-related cause of death in the United States. It kills more people in most years than hurricanes, tornadoes, and flooding combined.

There's no question that June and July 2023 were excessively warm. In fact, they were the warmest months (respectively) in the Meadows since record keeping began in 2014. Furthermore, both months are reported to have been the warmest months ever recorded globally!

The forecast for August, another "high-temperature" month, is for continued above-normal temperatures. When heat indices are forecast to be near, or exceed, 110 degrees Fahrenheit(F), stay indoors as much as possible and when venturing out, do so for a short time and stay well-hydrated. -- **Be safe!**

**Rainfall Analysis:** The rainfall deficit pattern experienced earlier this year in February and March resumed bigtime in June and July. This deficit is so pronounced that the Meadows, as well as a large part of southwest coastal Florida, is reported to be in a level 3 "extreme drought" status! However, the deficit varied across our community as seen by these two station totals – MCA (Community Center) = 2.9 inches, and MEADOWS (John Spillane) = 4.6 inches.

Overall, June MCA rainfall was less than half-normal, while July numbers were even skimpier at 34 % of normal.

**Temperature Analysis:** The big weather news in June and July was above normal temperatures with *persistent, record-breaking temperatures in July*. Phoenix, Arizona had their record thirty-one consecutive days in which temperatures exceeded 110 degrees F. By comparison, the Meadows, Florida experienced two noteworthy temperature records. First, there were twenty-two days when a record high temperature-day was recorded (see data table below). That's twice the number (11) of the previous record established in March of this year. Second, July is the first month in which every day of the month saw temperatures exceed the normal temperature for that date – a very unusual statistic!

Just how much did the temperature exceed normal in the two months? July was by far the warmest month with the average high temperature 6 degrees above normal. The temperature was 2 degrees above normal in June.

Other temperature statistics for June and July (combined) include 54 above normal high temperature days, and 24 record high temperature days.

Monthly rainfall and temperature data are presented in the two graphs.

**Hurricane Season Analysis:** With sea water temperatures at extremely high levels in the Atlantic Ocean, Caribbean Sea, and Gulf of Mexico, forecasters at the Colorado State University (CSU) updated their original hurricane outlook to 18 named storms, nine hurricanes, four major hurricanes, and a 32% chance of a major hurricane hitting the U.S. Gulf Coast.

The 2023 hurricane season is off to a fast start. There have been four named storms since June 1<sup>st</sup> ---- tropical storms Arlene, Bret, and Cindy in June, and Don in July. This number would likely have been higher had it not been for the early arrival of a strong El Nino event and a persistent Saharan dust cloud that extended across the Atlantic.

As the dust clouds abate in August, and water temperatures remain high, the potential for tropical cyclonic system development will increase significantly – despite a strong El Nino event! BE PREPARED & BE SAFE!

Jul-23

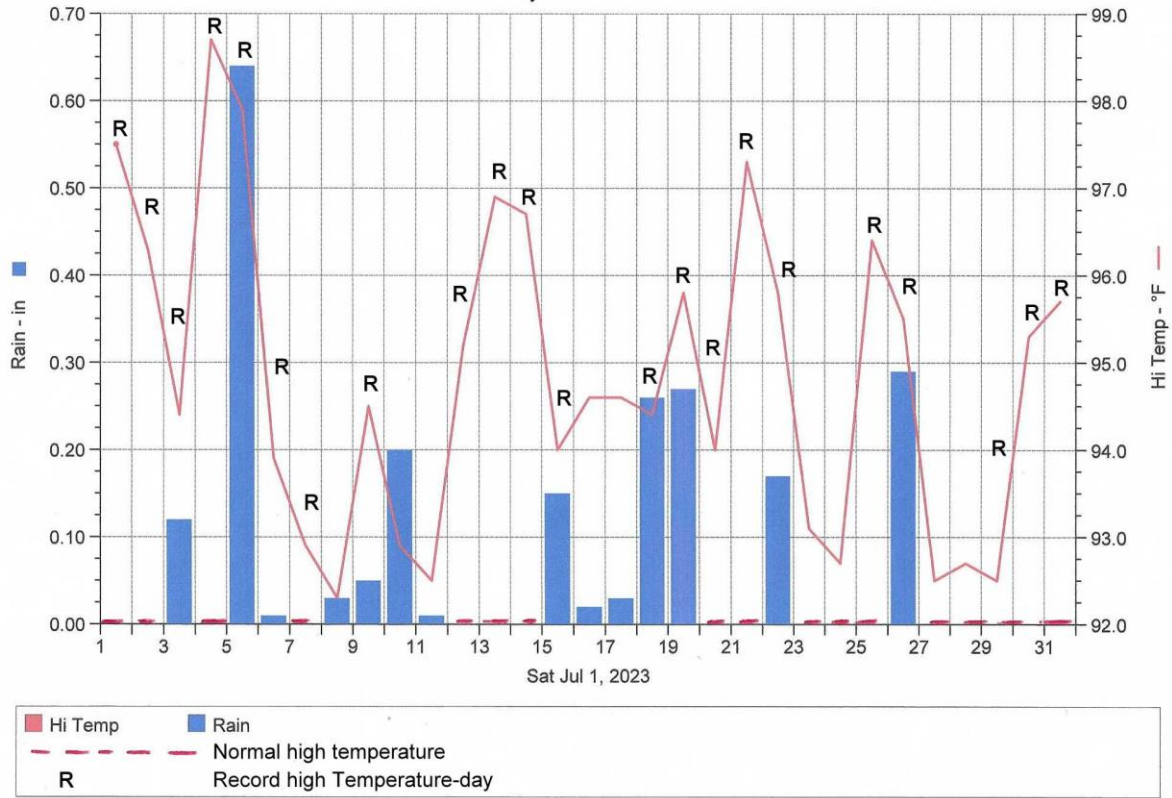
TEMPERATURE

YEAR

<u>Day</u>	<u>Normal</u>	<u>Actual</u>	<u>Record</u>	<u>Record Yr. (R)</u>
1	92	98	98	2023 R
2		99	99	2023 R
3		99	99	2023 R
4		101	101	2023 R
5		99	99	2023 R
6		98	98	2023 R
7		97	97	2023 R
8		95	98	2016
9		99	99	2015
10		97	99	2021
11		97	99	2015
12		98	98	2023 R
13		100	100	2023 R
14		100	100	2023 R
15		99	99	2023 R
16		98	99	2017
17		97	98	2017
18		99	99	2023 R
19		101	101	2023 R
20		100	100	2023 R
21		101	101	2023 R
22		99	99	2023 R
23		97	97	2023 R
24		94	97	2022
25		99	99	2023 R
26		99	99	2023 R
27		93	97	2017
28		95	97	2016
29		98	98	2023 R
30		98	98	2023 R
31		100	100	2023 R

# Meadows Rainfall and High Temperatures

July 2023



# Meadows Rainfall and High Temperatures

