

September 2023 weather summary

Wetter than normal, near record mean temperatures. Sunshine above normal

Rainfall: 61.6mm (118% of normal).

This September was wetter than normal, but this was due to the 35.4mm high daily rainfall total on 20th. This daily fall was the 6th highest daily total since at least 1969.

The total for the month was the 38th wettest in 102 years.

The highest rainfall rate was 91mm/hr at 19:25hr on 20th when 21.2mm fell in 1 hour, causing some localised flooding.

The number of rain days (0.2mm or more), were 10 (2 less than average) and there have been 15 Septembers with a higher number of days since 2000. The number of wet days (1.0mm or more) was 8 days (which is normal), and there have been 8 Septembers with a higher number of days since 2000.

Temperature:

The **mean maxima** were 22.8c (+3.2 above normal), and the **2nd warmest in 102 years**, only beaten by 1929. September was warmer than July and August this year.

The highest temperature recorded was 31.3c on 9th. This was a new **Record** high for September since at least 1921. There was 10 consecutive days with 24c or more (2nd to 11th). There were 9 days at 25c or more, the highest since at least 1929 and 2 days with 30c or more, the highest again since at least 1929.

The lowest maximum temperature was 17.3c on 21st and 23rd, and this was the highest since 2014.

The **mean minima** were 13.1c (+2.9c), and the 2nd mildest since at least 1921 (102 years).

The 'coldest night' was 7.2c on 23rd, this was the highest since at least 1981.

The **mean temperature** 18.0c (+3.1c above normal) and this was the **2nd warmest** since at least 1921 (1929 being the warmest).

There were zero ground frosts and lowest grass minimum recorded was 3.3c (21st and 22nd).

Sunshine: 179.9 hours (118% of normal)

Sunnier than average but only the sunniest since 2020. However, it was the 6th sunniest since in the past 32 years. There was 1 day that were sunless day (1 day less than normal).

The sunniest day was 11.9 hours (5th), which was also the sunniest day in August this year.

Thunder; there were 2 days with thunder heard.

Hail; there were 0 day with hail (<5mm).

Snow falling 0 days with snow falling. **Snow lying** at 0900 GMT 0 days.

Fog; at the 0900am observation there were 0 days with fog observed.

Storms

STORM Agnus 27th September – impact mainly over Ireland and western side of UK.

Wind gusts 50km/hr or more; 2 days reached this criteria, 19th and 20th.



Photo: Low lying fog on early morning on 17th September 2023 at Rectory Farm Finchampstead – photo courtesy of Paul Richards.