

June 2023 weather summary

Rainfall below average, Record maximum and mean temperature and very sunny.

Rainfall: 23.1mm (45% of normal).

The dry conditions that started on 15th May continued into June with the 11th recording the first measurable rainfall in 27 days. June continued with generally dry conditions with 22.8mm recorded during the 2nd half of the month (98.7% of the months total). The total for the month, 23.1mm was the lowest since 2018 and the 20th driest in 102 years.

The wettest day was 8.8mm on 19th and the first 'wet day' (1.0mm or more) since 14th May a period of 35 days.

The highest rainfall rate was 25mm/hr at 20:29hr on 22nd. However, heavy thunderstorms on 11th produced high rainfall totals in 1 hour in parts of the area, but only 0.3mm was recorded here.

The number of rain days (0.2mm or more), were 5 (7 less than average), and the lowest since 2018. The number of wet days (1.0mm or more) was 3 days (5 less than normal), also the lowest since 2018.

Last 3 months April to June

The last 3 months total, covering April to June 2023 totals 120.8mm 81% of normal. This includes the wet April and first half of May, but the 27-day drought period since 15th May and dry June, changing the very wet Spring period to drier conditions.

Last 12 months July 2022 to June 2023

The 12-month period (July 2022 to June 2023) now totals 724.0mm (104%).

Temperature:

A **Record-breaking** month for maximum and mean temperatures, going back 102 years. The mean maxima were 24.7c (+3.8c above normal), surpassing the previous record in 1976 (24.3c).

The highest temperature recorded was 31.3c on 10th, this was one of 2 days that reached 30c or greater. 1976 with 6 days still holds the record number of days and more recently 2017 reached 4 days.

The Met Office issued heat-health warnings from 9th to 16th, with an Amber warning on 10th, 11th and 12th. Further yellow warnings were made on 22nd, 23rd, 24th and 25th.

The lowest maximum temperature was 17.3c on 6th. This was the highest since 2018.

There were 25 days reaching 20c or more, this was 8 days above normal, and there were 14 days reaching 25c or more (10 days above normal). This was the highest ever recorded in the 102 years of data but equal with 1976.

The mean minima were 12.2c (+1.5c), but only the highest 2017 (equal with 2021), the 2nd mildest in 102 years (equal with 1950).

The lowest minimum temperature was 6.1c (30th), the highest since 2019. The mildest night was 17.6c (28th), making it the 2nd highest since 1991 behind 18.5c on 20th 2005.

The mean temperature 18.5c (+2.7c above normal) and was the highest mean temperature in 102 years, surpassing the previous record high of 1976 (18.2).

There were zero ground frosts and lowest grass minimum recorded was 1.1c (4th).

Last 3 months April to June

The last 3 months covering the period (April, May and June), the mean maxima were 19.2c (+ 1.3c above normal), making it the 3rd mildest since 2000. The mean minima were 8.3c (+0.6c above normal). This was the 7th mildest since 2000.

Sunshine: 264.0 hours (132% of normal)

It was the 3rd sunniest June since at least 1971 (52 years) with 1975 and 1996 being sunnier. There were zero sunless days (2 days below normal), and first time since 2018. There were 23 days with 5 hours or more (6 days more than normal) and 14 days with 10 hours or more (6 days above normal).

The sunniest day was 14.5 hours (13th). This was the first June not to record any 15.0 hours or more since 2019.

Last 3 months April to June

The last three months has seen total sunshine hours reach 655.9 hours 116% of normal, which was the 4th sunniest April to June period since 1991.

Thunder: there were 3 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

There were no named storms during the month.

Wind gusts 50km/hr or more; no days reached this criteria,

Wind direction (at 0900am observation GMT)

N	6.7%	E	0.0%	S	10.0%	W	0.0%	Calm	0.0%
NNE	10.0%	ESE	3.3%	SSW	10.0%	WNW	6.7%		
NE	10.0%	SE	0.0%	SW	6.7%	NW	6.7%		
ENE	23.3%	SSE	0.0%	WSW	3.3%	NNW	3.3%		



Photo: 11th June after a maximum temperature of 28.8c @15:29 rapid development of Cumulonimbus to the northeast of Winnersh with thunderstorms from 15:55 hr.