

June 2022 weather summary

Drier than normal, warmer than normal by day but cooler at night, very sunny

Rainfall: 30.7mm (60% of normal).

The driest June since 2018 (0.6mm) and that remains the driest in over 100 years. Since 1991 it was the 12th driest. The wettest day was 5th (7.5mm) the lowest total since 2018 and before that 2013.

However, there were 16 rain days (0.2mm or more) which was 4 more than normal and 9 wet days (1.0mm or more), 1 more than normal. So the frequency of days when there was rain was higher than normal but the quantity was less.

The highest rainfall rate was 28mm/hr at 16:40 on 30th.

The longest period with no measurable rainfall was 8 days (10th to 17th).

There was Sahara dust suspended in the rainfall on 18th. This was the 3rd time this year after falls during March and April.

The last 3 months - (April – May - June)

The 3-month period total was 97.2mm (65% of normal), making it the 18th driest in 101 years. Since 2000 there have been only 2 drier years covering this period.

The monthly totals were April 15.6mm (31%), May 50.9 (101%) and June 30.7mm (60%).

The **12-month period** (July 2021 to June 2022) provides a total of 529.8mm (76% of average). This period includes the 3rd driest November (2021), the 6th driest January (2022) and 14th driest April (2022) in the last 101 years.

Temperature:

The mean maxima were 21.8c (+1.4c above normal), the 5th warmest since 1981 (41 years), and the warmest since 2018. The highest maximum temperature was 30.8 (17th) during a short very warm/hot spell and adds June 2022 to the 30c+ group.

Between 1971 and 1980 there was only one year where temperatures in June reached 30c or more.
1976 (6 days)

between 1981 and 1990 there were zero years

between 1991 and 2000 there were 2 years

between 2001 and 2010 there were 4 years

between 2011 and 2020 there were 5 years

and now 2022.

The lowest maximum temperature was 15.2c on the 5th. This was the highest in recent years back to 2018 (17.9).

By contrast the mean minima were 10.6 (-0.1c below normal), and the lowest since 2015 (9.7c).

The lowest minimum was 5.2c (2nd), the coolest night since 2015.

The mean temperature was 16.2c (+0.4), and being close to normal it was the 13th mildest in the last 31 years.

The lowest grass minimum recorded was 1.1c (2nd), which was the same as 2021 but higher than 2020 (0.6c).

There were 0 air and 0 ground frosts.

The last 3 months - (April – May - June)

The 3-month period indicates a mean maxima of 18.8c (+1.1c), making it only the mildest since 2020. (20.0c), but it was the 4th mildest in the last 12 years.

The 3-month period indicates a mean minima of 10.6c (-0.1c), making it only the mildest since 2020. (7.8) and the third coolest in the last 12 years.

Sunshine: 262.3 hours (131% of normal)

The sunniest June since 1996 (270.7 hours), just beating 2018 (259.1 hours).

The number of sunless days was 2 (which is normal). However, there were 23 days with 5.0 hours or more which is 5 days more than normal and 15 days with 10,0 hours or more (7 more than normal) and the highest since 1996.

The sunniest day was 15.4 hours (21st).

The last 3 months - (April – May - June)

The 3-month period indicates that hours of bright sunshine were 659.9 hours (118% of normal). This makes it the sunniest period since only 2020 but the 2nd sunniest since 1991 (32 years).

Thunder; there were 3 days with thunder heard.

Hail; there was 0 day with hail.

Snow falling 0 days (normal). **Snow lying** at 0900 GMT 0 days (normal)

Fog; at the 0900am observation there were zero days with fog observed at 09:00 GMT. This is normal.

Storms

There were no named storms during June, but the highest wind gust was 44km/hr on 8th (WSW), 26th (S) and 27th (SSW).

Wind direction (at 0900am observation GMT)

N	6.7%	E	3.3%	S	10.0%	W	3.3%	Calm	0,0%
NNE	6.7%	ESE	0.0%	SSW	26.7%	WNW	0.0%		
NE	13.5%	SE	3.3%	SW	0.0%	NW	0.0%		
ENE	6.7%	SSE	10.0%	WSW	10.0%	NNW	0.0%		



Photo: Sunset on the hottest day so far this year 30.8c (17th) over Lower Earley, courtesy of Ritesh Nigam.