

October 2022 weather summary

Slighter wetter than average, very mild and sunny

Rainfall: 86.0mm (111% of normal).

Although October was slightly wetter than average, the total was much reduced compared to the previous three years that were much wetter. The first half of the month with 13.0mm was the driest since 2017 and before that 2011 and the 8th driest since 1991. However, the second half of the month was the wettest since 2000 and the 4th wettest since 1991.

Torrential rainfall rates occurred on 23rd (113mm/hr at 0438) and 86mm/hr (1553).

Since the start of the calendar year 420.0mm of rainfall has been recorded (76%). This is the 9th driest first ten months to a year in the past 101 years.

The wettest day was 26.0mm (23rd) this was only the wettest October day since 2nd and 3rd 2020 when 44.8mm and 42.6mm of rain fell on each day.

The number of rain days (0.2mm or more), were 20 (4 more than average), but 2019 and 2020 have been higher. The number of wet days (1.0mm or more) was 13 days (2 more than normal), again both 2019 and 2020 were higher. However, falls of 5mm or more totalled 5 days, this was normal and the much wetter years of 2019 and 2020 were higher.

The highest rainfall rate was 86mm/hr on 4th during a thunderstorm. High rates were also recorded on 7th (70mm/hr) and 8th (57mm/hr) also during a thunderstorm.

The longest period with no measurable rainfall was 3 days (2nd to 4th October).

The last 3 months - (August – September - October)

The last 3-month rainfall period total has recovered to 190.7mm (102% of normal). The monthly totals were August 30.5mm (54%), September 74.2mm (142%) and October 86.0mm (111%).

The **12-month period** (November 2021 to October 2022) has 'plateaued' and provides a total of 500.2mm (72% of average). This period includes the 3rd driest November (2021), the 6th driest January (2022) 14th driest April and 4th driest July in the last 101 years.

Temperature:

The mean maxima were 17.6c (+2.3c above normal). This was the 2nd highest in the last 52 years, only surpassed by 2011 (equal 1995).

The highest maximum temperature was 21.4c (29th). The lowest recorded maximum was 15.3c on 11th. This is the average and the only October in the past 52 years not to have a day below average and a new record for this period.

The mean minima were 9.9 (+2.3c above normal). This was the fourth highest in the past 52 years with 2006 remaining the mildest at 10.6c. The highest minimum was 15.9c on 5th

The lowest minimum was 2.1c (9th and 11th), the lowest since 2019.

The mean temperature was 13.8c (+2.3), was the highest since 2006 but the 2nd highest in the past 52 years (equal with 2005).

The last 3 months - (August – September - October)

The 3-month period indicates a mean maxima of 21.1c (+2.0c), making it warmest this millennium.

The 3-month period indicates a mean minima of 11.5c (+1.4c), making it the mildest since 2006.

The lowest grass minimum recorded was -1.7c (11th). There were 3 ground frosts this was 4 lower than normal.

There were zero air frosts, which is 1 day below normal. The last October air frost was in 2019

Sunshine: 166.0 hours (146% of normal)

It has been the 2nd sunniest October in the past 42 years, just 6 hours short of the sunny 1999. However, it was also the only October during that period to have zero sunless days. Normally, there are 5 days.

There were 18 days with 5.0 hours or more (7 days more than normal), equal highest with 1999. There was also 1 day with 10.0 hours or more.

The sunniest day was 10.2 hours (6th).

The last 3 months - (August – September - October)

The 3-month period indicates that hours of bright sunshine were 559.8 hours (124% of normal).

Thunder; there was 1 day with thunder heard, (two storms on the same day 23rd) which is about normal.

Hail; there was 1 day with hail, 10mm diameter on 23rd.

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

Fog; at the 0900am observation there was 1 day with fog observed. This is normal.

Storms

The impact of Storm Claudio (31st/1st November) named by the French Met Office, was felt overnight with a gust of 52KM/hr (SSE) at 2335hr. Some damage occurred during the early hours of 1st November at gusts reached 73km/hr just after midnight.

Wind direction (at 0900am observation GMT)

N	0.0%	E	0.0%	S	22.6%	W	0.0%	Calm	19.4%
NNE	0.0%	ESE	9.7%	SSW	16.1%	WNW	0.0%		
NE	3.2%	SE	6.5%	SW	3.2%	NW	6.5%		
ENE	0.0%	SSE	6.5%	WSW	0.0%	NNW	0.0%		



Photo: White Horse Lane Finchampstead misty start to the morning on 11th October 2022 – credit Paul Richards