



## **Weather Front.**

### **Autumn 2022/1922**

#### **Autumn 2022**

##### **Observers Notes.**

**Lowdham:** Lowdham: Combined rainfall for October and November totalled 221.1 mm, the fourth highest on local record in the Nottingham area. From 1840 to 2022 there have been eleven occasions when the combined rainfall totals for October and November have exceeded 200 mm in the Nottingham local area. 249 mm in 1845 has been the highest, this at Highfield house, Lenton (E J Lowe). On three other occasions in the 19<sup>th</sup> century (post 1840) 200 mm was recorded at Nottingham Castle weather station (Borough of Nottingham Engineering Dept. Met Office approved); three occasions in the 20<sup>th</sup> century (Nottingham Castle) and, already, four occasions in the 21<sup>st</sup> century (Lowdham), three of which have been in the top five. More evidence of global warming and changes in circulation patterns?<sup>i</sup>

Mickleover: Fifth wettest Autumn on the station record (1981). The mean temperature is equal with 2021 and is the fourth mildest on record.

Derby: This Autumn had a mean temperature of 12.4 C, which is the same as 2021, and mathematically ranks as the fourth mildest on record.

#### **Autumn 2022.**

Autumn 2022 was warmer than average, each month having a mean temperature above average. There were some periods of particular warmth, but any colder periods were brief. It was the third warmest Autumn in the UK since 1884, with only 2006 and 2011 being warmer. The weather was unsettled for much of the time with rainfall, above average, providing some relief from a dry Spring and, very warm, Summer. Any dry periods during this Autumn were short lived. Sunshine was near average throughout.<sup>ii</sup>

#### **Autumn 1922.**

Derby/Burton-on-Trent: November 1922 closed an exceptionally dry Autumn season, with most of the Derby and Burton sites having 70-80 mm. This is about half the average (1891-

1920 mean for Burton). It was the driest Autumn on the local rainfall record back to at least 1865, and such Autumn dryness was not achieved again until 1964.<sup>iii</sup>

**Central England Data.<sup>iv</sup> (Averaging period is 1891 to 1920.)**

Mean Maximum Temperature: 12.2 C. Average: 13.0 C.

Mean Minimum Temperature: 5.3C. Average: 9.1 C.

Mean Temperature: 8.8 C. Average: 9.6 C.

England and Wales Rainfall: 306.0 mm. Average: 226.6 mm.

**Midlands Data. (Averaging period is 1911 to 1920).**

Midlands Mean Maximum Temperature: 12.0 C. Average: 12.8 C.

Midlands Mean Minimum Temperature: 4.3 C. Average: 5.0 C.

Midlands Mean Temperature: 8.1 C. Average: 8.9 C.

Midlands Rainfall: 125.2 mm. Average: 193.0 mm.

**2022 (Provisional)**

**Central England (Averaging period is 1991-2020).**

Mean Maximum Temperature: 15.7 C. Average: 14.3 C.

Mean Minimum Temperature: 8.6 C. Average: 7.4 C.

Mean Temperature: 12.1 C. Average: 10.8 C.

England and Wales Rainfall: 121.1 mm. Average: 230.3 mm.

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<sup>i</sup> J Osborne, by email.

<sup>ii</sup> Seasonal summary, Autumn 2022, Meteorological Office, December 2022.

<sup>iii</sup> D J Stanier, by email, 2 December 2022.<sup>4</sup>

<sup>iv</sup> Hadley Centre, Central England and Midlands, Meteorological Office.