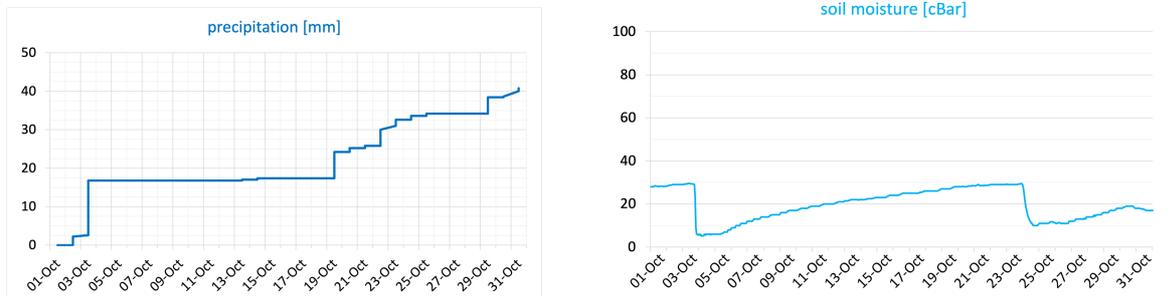


## OffWeather review of October 2025

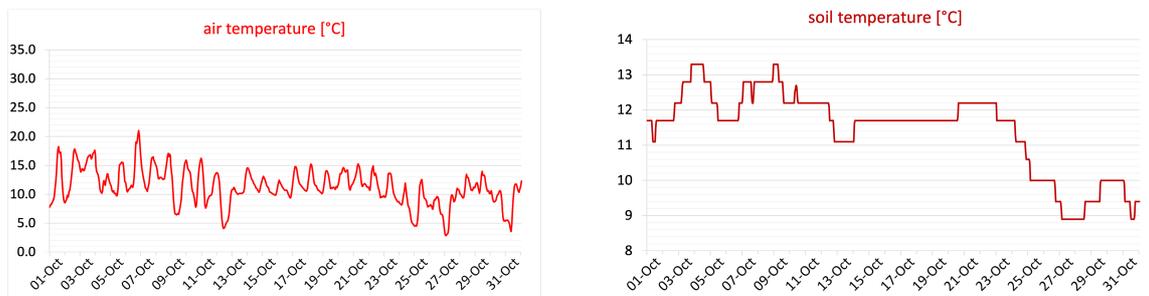
### Precipitation & Soil moisture:

This October turned out to be drier than average with just 40.8mm of precipitation, which is 57% of the average for the Offchurch area. This is usually our wettest month with 71.5mm on average. As would be expected the soil moisture levels correlate reasonably closely with the periods of rainfall, bearing in mind that many plants are becoming dormant so less moisture is lost through plant evapotranspiration with 25mm measured as being lost this month. This is an estimate of the amount of water vapour returned to the air in a given area through both evaporation and transpiration (the exhaling of moisture through plant stomata) [1]. The weather station uses air temperature, relative humidity, average wind speed, and solar radiation data to estimate evapotranspiration, which is calculated hourly.



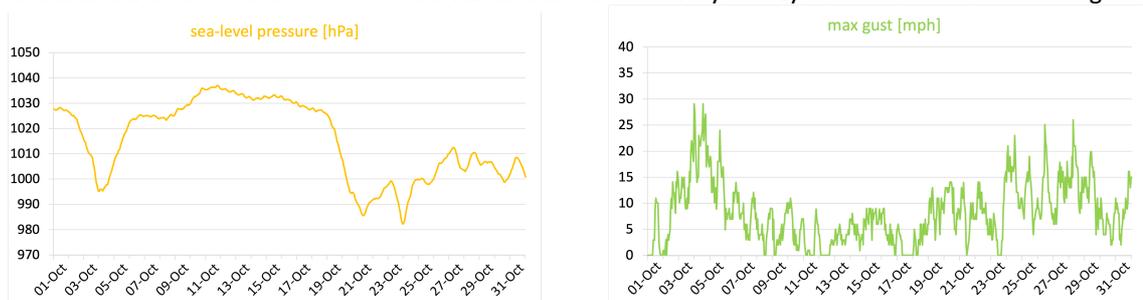
### Air & Soil temperature:

The mean temperature was 11.5°C, being 0.2°C above the area's average but 0.5°C below that of last October. There were no air frosts but 4 ground frosts. The maximum temperature at this site was 21.3°C on the 12th. The average soil temperature was 11.4°C, cooling as the day-length shortens at the end of the month.



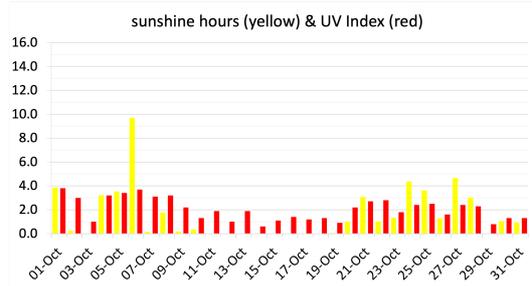
### Atmospheric pressure & Windspeeds:

The pressure averaged 1015hPa. The maximum pressure was 1036hPa with a minimum of 989hPa. Pressure fell sharply on 20th and was lower to the end of the month. Variable winds were very breezy at times with a maximum gust of 29 mph on the 4th.



### Sunshine hours & UV Index:

There were only 48 hrs of sunshine, which is just 48% of the average. This was 43 hours fewer than last year. There were 10 days when no sunshine was recorded. Most unusually, there were 8 consecutive days from the 11th when no sunshine was measured in Offchurch. The UV Index continues to reduce as the sun does not rise so high in the sky at this time of year.



© RK Seaton, 3 October 2025

[1] <https://www.davisinstruments.com> accessed 03/10/2025.