

Yorkshire Dales National Park

Forecast valid from 00:00 on Wednesday 22 Sep 2021 until 23:59 on Thursday 23 Sep 2021

Forecast Issued on Tuesday 21 Sep 2021 at 11:05

Confidence: High for increasingly windy conditions over the coming days. The main uncertainty relates to the extent of cloud and rainfall across the hills from Friday.

Headline for Wednesday 22 Sep 2021: A windy day with poor visibility at first, then bright or sunny.

Mountain weather hazards on Wednesday 22 Sep 2021

Blizzards
No Likelihood

Heavy Snow
No Likelihood

Storm force winds
No Likelihood

Gales
Low Likelihood









Severe chill effect
No Likelihood

Poor visibility
Low Likelihood

Thunderstorms
No Likelihood

Heavy persistent rain
No Likelihood

Strong sunlight
Low Likelihood

| Weather and chance of precipitation at 600m | | | | | | | |
|---|---|---|---|---|---|---|---|
| Time | | | | | | | |
| 00:00 | 03:00 | 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 |
|  |  |  |  |  |  |  |  |
| Fog | Drizzle | Fog | Sunny intervals | Sunny intervals | Sunny intervals | Cloudy | Light rain |
| Precipitation probability | | | | | | | |
| 20% | 50% | 40% | 10% | 00% | 00% | 10% | 50% |

Forecast for Wednesday 22 Sep 2021

Weather: Low cloud and patchy rain or drizzle will set in through the early hours leaving a dull, damp start. Clearer skies will spread from the north through morning to leave a dry, bright and often sunny day. The strong to gale force winds will be the main feature of the day, however. Cloud will thicken again from sunset with some rain through late evening.

Chance of cloud free mountain/hill tops above 600m: 20% improving 90% by mid morning.

Visibility: Cloud will be rather extensive above around 400m through early morning, but will lift and break from dawn to leave very good visibility across the area.

Forecast for Wednesday 22 Sep 2021

| Height (m) | Wind Speed mean/gusts (mph) | | | | | Wind Direction (blowing from) | | | |
|---------------|-----------------------------|----------|---------|----------|----------|-------------------------------|----------|----------|----------|
| | 00:00 | 03:00 | 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 | 00:00 |
| 600 | 19/27 SW | 20/28 SW | 22/32 W | 24/34 W | 22/33 SW | 24/36 SW | 22/33 SW | 22/35 SW | 23/35 SW |
| 300 | 9/21 SW | 11/24 SW | 13/27 W | 14/27 W | 16/30 W | 16/31 W | 12/26 SW | 15/31 SW | 15/32 SW |
| Valley | 6/17 SW | 9/21 SW | 8/20 SW | 10/23 SW | 13/26 SW | 13/27 SW | 11/26 SW | 13/27 SW | 15/32 SW |

| Height (m) | Temperature / Feels Like (°C) | | | | | | | | |
|------------------------|-------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 00:00 | 03:00 | 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 | 00:00 |
| 600 | 11/8 | 11/8 | 11/7 | 11/7 | 12/8 | 12/8 | 11/7 | 11/7 | 12/8 |
| 300 | 13/11 | 13/11 | 13/11 | 13/11 | 15/12 | 15/12 | 13/11 | 13/11 | 14/11 |
| Valley | 14/14 | 14/13 | 14/13 | 15/13 | 16/14 | 16/14 | 15/13 | 15/13 | 15/12 |
| Freezing Level* | 2700m | 2600m | 2500m | 2300m | 2300m | 2600m | 2700m | 3200m | 3000m |

*Level above which ground is expected to be frozen/snow is expected to settle.

Meteorologist's View

Winds likely 10mph higher than indicated on most exposed ground, perhaps reaching gale force.

Recent rainfall: measured at Malham: altitude 375m

| | | | |
|---|-----------------------|-------------------------|-----------------------|
| Recorded at 14:00 on Tue 21 Sep 2021 | Last 24 hours: 0mm | Last 48 hours: 0.4mm | Last 72 hours: 5mm |
|---|-----------------------|-------------------------|-----------------------|

Forecast for Thursday 23 Sep 2021

Weather: A cloudy but largely dry day with fresh westerly winds. Poor visibility is expected on the summits at times with the best conditions to be had on lower and east facing slopes. Brighter, even sunny spells may develop across the southern hills through afternoon. Little change through evening.

Maximum wind: Westerly 30mph gusting 40mph initially, gradually easing through the day.

Chance of cloud free mountain/hill tops above 600m: 40%, improving 70% for a time during afternoon.

Visibility: Cloud will be rather persistent above 600m through morning and perhaps early afternoon, lifting above the summits at times through afternoon. Away from this, no issues expected.

Temperature: **Valleys:** Plus 13 Celsius rising to 17 Celsius.

At 600m: Around plus 10 Celsius.

Freezing level: Well above summits.