Useful Sites and Apps for Weather, Climate Monitoring & Seasonal Outlook Information

The following links and apps are handy to use with the NACP Forecasting for Decision Making Calendar: designed to prompt what month is most relevant for looking at the different forecasts and outlooks.

Weather forecast for next 7 days

- **MetEye** weather for individual locations http://www.bom.gov.au/australia/meteye/
- **BoM Weather App** download to your phone http://www.bom.gov.au/app/

Long-range Weather and Climate

- **BoM's long-range weather and climate homepage**
  http://www.bom.gov.au/climate/
- **BOM 2-week to 3-month Rainfall and Temperature Outlooks**
  - Long-range forecast overview
    http://www.bom.gov.au/climate/outlooks/#/overview/summary
  - Rainfall Outlook Summary and Forecast Maps
    http://www.bom.gov.au/climate/outlooks/#/rainfall/summary
  - Temperature Outlook Summary and Forecast Maps
    http://www.bom.gov.au/climate/outlooks/#/temperature/summary
- **NACP's Monthly Climate Outlook Review** by Professor Roger Stone
  https://nacp.org.au/forecasts/climate_outlook
- **NACP's Monthly Climate Outlook and Forecast Video Series** by Dr Andrew Marshall
  https://nacp.org.au/forecasts/climate_outlook_videos
- **UK Meteorological Office (UKMO)** Global long-range model probability maps
  https://www.metoffice.gov.uk/research/climate/seasonal-to-decadal/gpc-outlooks/glob-seas-prob
- **Copernicus Seasonal Charts (ECMWF)**
  https://climate.copernicus.eu/charts/packages/c3s_seasonal/

Climate Monitoring & Forecasts for ENSO, IOD, MJO, SAM, SOI, SSTs

- **Southern Hemisphere Monitoring Summary**
  http://www.bom.gov.au/climate/enso/?ninoIndex=nino3.4&index=nino34&period=weekly#tabs=Overview&overview-section=Summary
- **Southern Hemisphere Outlooks**
  http://www.bom.gov.au/climate/ocean/outlooks/?index=nino34
- **Sea Surface Temperature (SST) Anomaly Maps**
  http://www.bom.gov.au/climate/enso/?ninoIndex=nino3.4&index=nino34&period=weekly#tabs=Overview&overview-section=Sea-surface-temperature-maps

- **Climate Index Monitoring Graphs**
  http://www.bom.gov.au/climate/enso/?ninoIndex=nino3.4&index=nino34&period=weekly#tabs=Overview&overview-section=Monitoring-graphs

- **Pacific Ocean Monitoring (SOI, ENSO, Trade Winds)**
  http://www.bom.gov.au/climate/enso/?ninoIndex=nino3.4&index=nino34&period=weekly#tabs=Pacific-Ocean
- **Indian Ocean Monitoring (IOD)**
  http://www.bom.gov.au/climate/enso/?ninoIndex=nino3.4&index=nino34&period=weekly#tabs=Indian-Ocean

- **Southern Ocean Monitoring (SAM)**
  http://www.bom.gov.au/climate/enso/?ninoIndex=nino3.4&index=nino34&period=weekly#tabs=Southern-Ocean

- **Tropical Monitoring and Outlook (MJO, Tropical Update)** http://www.bom.gov.au/climate/mjo/
  https://www.cpc.ncep.noaa.gov/products/precip/CWlink/MJO/mjo.shtml

- **ECMWF Seasonal Forecast Maps**
  https://charts.ecmwf.int/products/seasonal_system5_standard_rain?area=AUST&base_time=202501010000&stats=tsum&valid_time=202502010000

- **CPC Forecast**s (scroll down to 'Expert Discussions/Assessments and click on 'Weekly ENSO Evolution… CPC - Climate Weather Linkage: El Niño Southern Oscillation (noaa.gov)

Historical Information & Climate Analysis

- **Australian CliMate** - App and computer: information on rainfall centres around Australia, chance of rain, seasons progress etc. http://climateapp.net.au/

- **ArmOnline, Climate Arm** - http://www.armonline.com.au/#/ca

Pasture Growth

- **Rainfall and Pasture Mapping, Forage** (gives estimate of pasture grown and outlooks for your location) Longpaddock – Request Reports | LongPaddock | Queensland Government

Cattle Thermal Stress

- Accumulated Heat Load Unit (AHLU): Accumulated Heat Load Unit Forecast
- Cattle Comfort Index (CCI): Cattle Comfort Index Forecast

Drought Monitoring

- Evaporative Stress Index (ESI) and Flash Drought Forecast: Flash Drought
- Australian Combined Drought Indicator (CDI): Drought Monitor

Bushfire Outlook and Water Monitoring

- Bushfire Outlook https://www.afac.com.au/auxiliary/publications/seasonal-outlook/
- Stream Flow Forecasts http://www.bom.gov.au/water/ssf/
- Water Outlook and Soil Moisture Monitoring https://awo.bom.gov.au/products/historical/soilMoisture-rootZone/4,-27.528,134.165/nat,-25.609,134.362/r/d/2025-01-13