



Hail Services

Early Warning Network Pty Ltd
www.earlywarningnetwork.com.au

HAIL FORECASTING

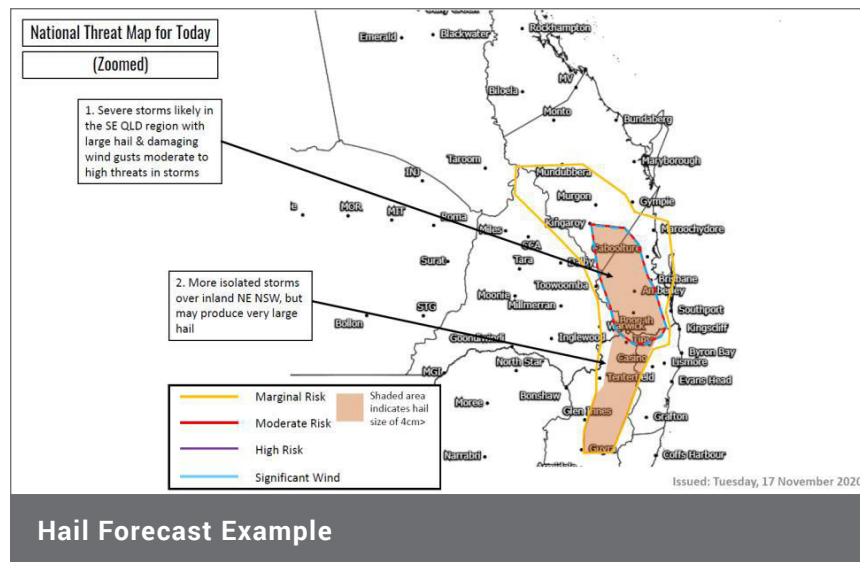
Current forecasting from the Bureau of Meteorology only focuses on Severe Thunderstorms in general and does not go into detail of what is expected from those Severe Thunderstorms. The problem is thousands of Thunderstorms occur across Australia every year with each Thunderstorm set-up different.

Our experienced Severe Weather specialist Meteorologists take all the guess work out of Thunderstorm forecasting using a range of extremely high-resolution weather modelling and upper air observations to provide a hail forecast you can rely on. We pinpoint areas of greater risk providing a run down of hail sizes expected with storms in those areas.

1. Pinpointing via mapped polygons areas of risk across Australia including potential hail sizes expected with storms in those areas.
2. Hail Forecast Polygons are colour coded depending on the risk as follows:

- Amber – Marginal Risk
- Red – Moderate Risk
- Purple – High Risk

The risk is related to the environmental set-up for that day and the potential that a Thunderstorm may develop in that area with Large Hail. Large Hail is defined as Hail above 2cm in size.

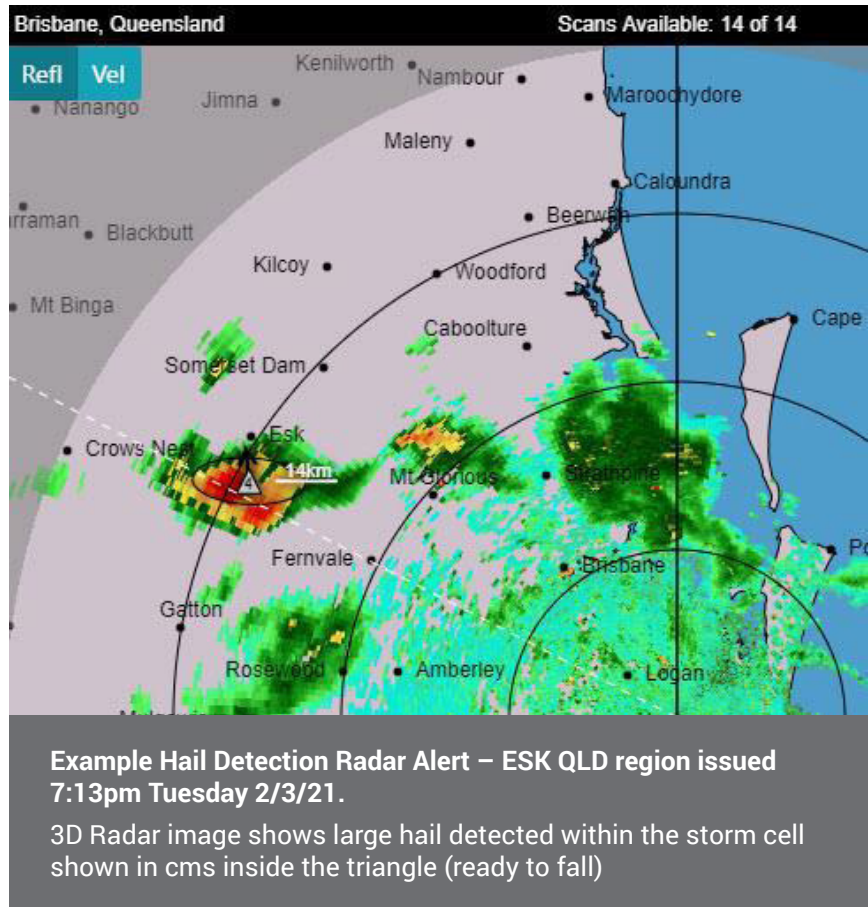


3. Hail Forecast polygons will be shaded with a orange colour where Hail larger than 4cm is possible.
4. For the purposes of embargoing an area(s) due to forecast hail, the time period for the embargo will line up with the day advised on the forecast. A day consists of a time period of 9am to 9am (24 hour period).

LIVE EVENT HAIL TRACKING

Using our 3D radar technology, we utilise the latest research from the USA and the Bureau of Meteorology to calculate the estimated hail sizes in thunderstorms across Australia LIVE. Within minutes of each radar scan being taken, our radar viewer will tell you the estimated size of hail allowing you to know where damaging hailstorms are currently located with directional arrows showing their forecast movement over the next hour.

The platform uses raw volumetric radar data sourced from the Bureau of Meteorology and converts the data into hail size markers when hail is detected by a weather radar. Hail track arrows are also provided indicating the direction the Thunderstorm and subsequent hail is heading towards.



HAIL ALERTING

Using the live Hail detection radar network, EWN Operations staff work 24/7, 365 days per year monitoring these systems and sending out alerts to staff and/or customers whenever a large hail event (2cm +) is detected.

Upon a storm being detected on the radar network with hail 2cm or larger, EWN staff will send an alert for the area in the path of the storm advising of the storm's location and hail size plus areas likely to be impacted over the following 30 to 60 minutes. Alerts are sent via both email and SMS. Landline calls and an API are also available.

EWN also provides the Hail Alerts as a branded option for organizations looking at sending them out to their customers or staff.

EARLY WARNING NETWORK
HAILSTORM ALERT

NSW Hail Alert

Issued: 14:25 Oct 31

NSW Large hail has been detected on Brisbane radar near Byron Bay.

Copyright: Image by Bureau of Meteorology. For related Warnings, see www.bom.gov.au

MtStap1 31/10/20 03:24UTC 000.5e1 128km -1

Light	Moderate	Heavy
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POST EVENT HAIL REPORTING

EWN provides rapid post event hail reporting giving you the quickest insight into where hail events have occurred and the largest hail sizes recorded.

There are two options available depending on your requirements:

Rapid Reporting (included in pricing)

Where large hail events (3cm+) have affected a populated region, EWN will provide a rapid email report outlining the area(s) where hail has been reported and the largest size measured. These will be delivered as soon as reports have been filtered through (normally within 1 to 3 hours).

Rapid reporting may not be provided should large hail occur in rural areas away from populated areas (or outside operating hours, however generally most large hail occurs during the afternoon to early evening period).

Post Event Detailed Report (Additional Cost)

Upon a reported large hail event occurring (3cm +), EWN can provide a detailed in-depth report outlining mapped areas of hail sizes and the areas they affected. Mapped reports are created using a combination of on ground reports and 3D radar data and are verified by EWN staff. This report will be detailed and verified to ensure the most accurate Hail data is presented.

Detailed Reports will be provided within 24 to 48 hours of an event occurring.

EWN will filter and provide the most accurate reported hail information available. Hail sizes provided are based on largest recorded for that area.

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