

DTN Global Hail Nowcast

Know before hail strikes with high-resolution intelligence to protect assets and automate response.

THE CHALLENGE

Hail remains one of the most costly and least predictable severe weather threats for weather-sensitive operations. Generalized forecasts often lack the spatial precision, update frequency, and developer-ready data teams need to trigger action before damage occurs, leaving critical infrastructure, vehicles, equipment, crops, and employees exposed.

THE RESULT

Without accurate short-term hail intelligence, teams risk asset damage, safety exposure, downtime, delayed inspections, slower claims processing, and costly false alarms that interrupt operations without reducing risk.

WHAT YOU CAN DO

Use Global Hail Nowcast to:

- 1 Predict hail before impact**
Forecast hail size, probability, movement, and projected impact location up to 60 minutes ahead, updated every 5 minutes.
- 2 Automate operational decisions**
Integrate developer-ready GeoJSON data into alerts, dashboards, and response workflows.
- 3 Protect high-value assets**
Support asset-level decisions with 1 km hail intelligence across the U.S. and Southern Canada and 2 km global coverage.
- 4 Improve post-storm response**
Prioritize inspections, validate impacts, and streamline claims using hail size, severity, probability, and storm metadata.
- 5 Scale global hail risk management**
Apply consistent hail intelligence across facilities, fleets, regions, and global assets for a unified response.

HELPS YOU...	BY ENABLING...
Protect assets	Trigger automated alerts and protective actions before hail reaches operations anywhere in the world.
Reduce disruption	Use forecasts refreshed every 5 minutes with up to 60 minutes of lead time to act sooner.
Improve precision	Guide asset-level decisions with industry-leading spatial resolution and projected impact locations.
Accelerate claims	Use verified hail size, probability, storm motion, and severity metadata to prioritize response.
Increase automation	Feed developer-ready GeoJSON data directly into enterprise workflows.

WHY GLOBAL HAIL NOWCAST

DTN Global Hail Nowcast delivers operational weather intelligence for enterprise decisions, not generalized consumer forecasts. It gives teams the precision, reliability, and developer-ready data needed to protect high-value assets and maintain business continuity.

With forecasts for hail size, probability, movement, and potential impact location up to 60 minutes ahead and refreshed every 5 minutes, teams can make earlier, more confident decisions before hail reaches critical operations.

High-resolution coverage, including 1 km across the U.S. and Southern Canada and 2 km global coverage, plus GeoJSON outputs help organizations automate severe weather response consistently across facilities, fleets, and regions.

GET STARTED

See Global Hail Nowcast in action

DTN transforms hail intelligence into fast, defensible operational decisions that reduce losses, improve safety, and build resilience before every severe weather event.

[Learn More →](https://www.dtn.com/weather)<https://www.dtn.com/weather>