



Ambee Pollen Data

Powering business-critical decisions
with global pollen intelligence

Pollen seasons are shifting. Exposure is intensifying.

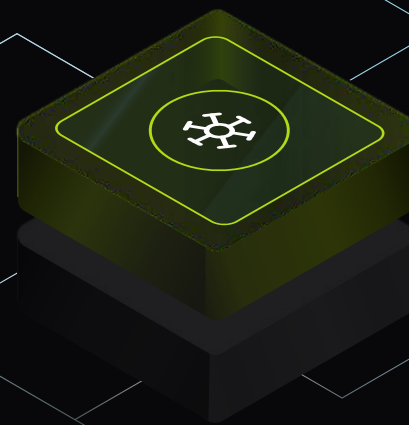
Across continents, allergy seasons are starting earlier, lasting longer, and affecting more people. Pollen concentrations have increased by over 40% in recent decades, with U.S. cities now recording earlier springs and delayed autumns in more than 85% of cases. These changes are expanding exposure windows and compounding health, operational, and economic impacts.



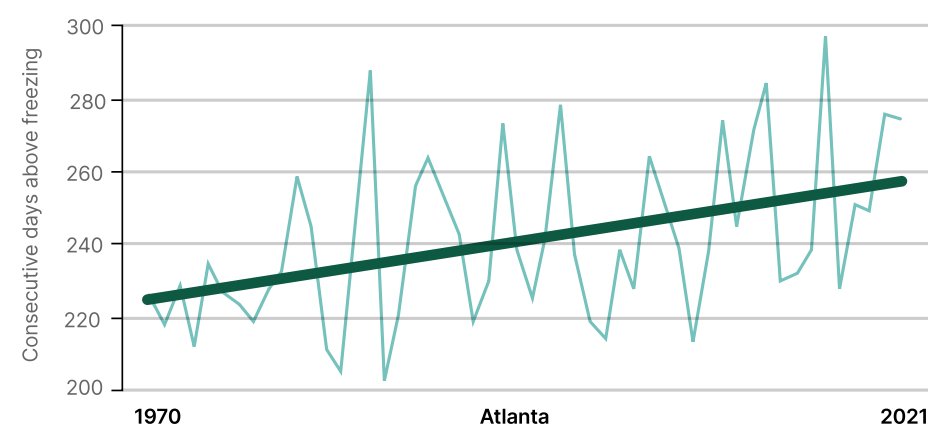
Built for real-world allergen intelligence

Ambee's pollen dataset is designed for systems that need species-specific, location-aware insight instead of seasonal averages or aggregated trends.

By combining ground sensors, satellite-derived vegetation indices, live weather signals, and region-specific phenology models, Ambee delivers a continuously calibrated, analytics-grade dataset that reflects true environmental exposure.



Longer growing season = Longer allergy season



The 2025 season trended weeks ahead of schedule in many regions. From surging antihistamine demand to rising asthma episodes, lost productivity, and clinical burden, pollen is no longer a seasonal event. It's a growing systems-level variable.

Yet most datasets fail to track allergen conditions in a way that is granular, predictive, or geographically meaningful.

-  **Over 30 pollen species and subspecies** tracked, including birch, ragweed, alder, cypress, and more.
-  **Hourly updates** ensure real-time relevance across changing conditions.
-  **Forecast horizon of up to 30 days**, with outputs benchmarked against climatological patterns.
-  **Species-level count and risk scoring**, aligned with universally recognized guidelines (Low to Very High).
-  **Seamless delivery** to any lat/lon, ZIP/postal code, DMA, MSA, or user-defined boundary.

What sets Ambee apart



Granular, not generic

Species-level counts and risk levels for 30+ tree, grass, and weed types.



Validated and real-time

Hourly updates benchmarked against seasonal cycles and ground truth data.



Forecasts you can plan around

30-day predictive outlooks, tuned for regional vegetation behavior.



Ready for integration

Delivered via APIs, flat files, or directly through cloud marketplaces.

Applications across industries

Pharmaceuticals & healthcare

Time outreach and inventory to species-level allergy forecasts.



Retail & demand planning

Predict medication sales by region with 30-day lead time.



Digital health & wearables

Power alerts and symptom tracking with local pollen data.



Clinical workflows & trials

Use exposure data to inform care and site selection.



Consumer platforms

Deliver real-time forecasts and allergy insights to users.



Mobility & outdoor navigation

Enable clean-air routing and pollen-aware navigation.



Advertising & personalization

Target audiences based on allergen levels and location.



CPG & seasonal products

Plan allergy product launches and in-store activations.



A · D · Y · L · I · C

“It has helped Adylic showcase the power of utilizing API in personalizing ads. In this case, we were able to target users' needs at the right time based on the user's location.”

Stefanie Wong - DCO specialist, Adylic

Want to learn more?

Contact us at
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Visit our website
www.getambee.com

Reach out to us



Try the data in our API playground

