The Indiana State Climate Office, hosted at Purdue University, serves as the primary scientific Extension resource for weather and applied climate science for Indiana through climate monitoring, resources, and outreach.

Our Mission
- Monitor and assess Indiana climate conditions and impacts
- Provide unbiased climate data, derived information, and data summaries
- Translate observational data into value-added information for decision makers
- Manage a research-grade weather observation network across Indiana for monitoring, research, and public safety
- Conduct applied research on climate-related issues that impact Indiana

We Serve
- Agriculture
- Construction
- Educators
- Human health
- Insurance
- Legal
- Local, state, and federal government
- Media
- Natural resources
- Recreation
- Researchers
- Risk management
- Urban planning
- Utilities
- Water resources

Indiana State Climate Office Products
- Purdue Mesonet Data Hub - https://purdue.ag/purduemesonet
  Access archived and real-time weather observations from around the state
- INformer Newsletter
  https://mailimages.purdue.edu/Subscribe/purdue-coa_isco/ClimateINformer.html
  Receive quarterly newsletters highlighting climate summaries, tools, and special events
- Climate Maps
  https://ag.purdue.edu/indiana-state-climate/climate-maps/
  Auto-generated maps for monitoring temperature, precipitation, frost/freeze probabilities, growing season length, and growing degree days
- Climatologies
  Summarized historical data of Indiana tornado trends, first freeze, growing degree days, wind, chilling hours, solar radiation, and cold snaps
- Weekly Articles
  https://ag.purdue.edu/indiana-state-climate/resources/
  Provide weekly climate articles to Pest & Crop, Facts for Fancy Fruit, and the Veggie Crops Hotline (Purdue Extension) through the growing season
- Farming for a Better Climate
  https://ag.purdue.edu/indiana-state-climate/research/farming-for-a-better-climate/
  Series of articles to help the agricultural community slow climate change and benefit economically

Contact Us
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EO/EA
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Research-grade Weather and Soils Monitoring

- Maintain weather stations (Purdue Mesonet) across Indiana, collecting sub-hourly air temperature (0.5 m, 1.5 m, and 3 m), soil temperature (2”, 4”, 8”, and 20”), solar radiation, relative humidity, wind speed, and wind direction. All are monitored real-time and communicated to the Purdue Mesonet Dashboard.
- Part of the National Weather Service’s National Mesonet Program.
- Pursue and solicit new site locations, perform quality control and assurance on data, maintain equipment, and provide free online data access and monitoring.
- Partner with the Indiana Water Balance Network (IWBN) to co-monitor their weather network.

Indiana Drought Taskforce Coordination

- Lead weekly discussions concerning local drought (and flooding) impacts.
- Manage weekly Extension Educator County Drought Impacts Survey.
- Provide Indiana drought recommendations to the national U.S. Drought Monitor, which releases a map weekly here: https://droughtmonitor.unl.edu

Indiana’s CoCoRaHS Leader

- Co-coordinate 600+ active volunteers across Indiana participating in the Community Collaborative Rain, Hail, and Snow Network (CoCoRaHS).
- Facilitate volunteer training events, webinars, and recruitment activities for new volunteers.
- Develop monthly newsletters communicating climate information and precipitation observation techniques.

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