

# **Jeffrey Andresen**

**Professor of Geography at Michigan State University**

East Lansing, MI, US

Weather and Agriculture Expert

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## **Biography**

Dr. Jeff Andresen is a professor in MSU's Department of Geography and the State Climatologist for Michigan. He has professional experience with the National Weather Service and with the USDA's World Agricultural Outlook Board in Washington, D.C., where he was involved in international crop/weather impact assessment and production estimation. He currently serves as director of Michigan's Enviro-weather information system, which supports agricultural pest and production management related decision-making across the state ([www.enviro-weather.msu.edu](http://www.enviro-weather.msu.edu)), and as an extension specialist maintaining an active outreach program including dissemination of weather and climate data and information to the general public and continuing education activities. Teaching responsibilities include courses in agricultural climatology, meteorology, regional climatology, and physical geography. The primary focus of Andresen's research has been the influence of weather and climate on agriculture, both in the USA and in international production areas. Current and past themes include climatological trends and potential impacts, crop simulation modeling, agricultural irrigation, impacts associated with potential future changes in climate, weather and risk management, and the influence of land use changes on regional climate. Andresen is responsible for providing weather-related information and professional expertise to the university and to the general public, including dissemination of weather data and information through print and internet media, public speaking engagements, professional consultation, and continuing education activities. He is also developer and administrator of Michigan's Automated Weather Network, a network of 88 automated weather stations across the state providing detailed weather information for the Enviro-Weather system. He is currently co-director of the Great Lakes Integrated Regional Science Assessment (GLISA) and has served as a member of the Michigan Climate Action Council (Governor-appointed) December 2007-2009 and as a U.S. Representative from Region IV to the World Meteorological Organization's Agrometeorological Services for Agricultural Production Open Program Area Group, 2004-2006 and from 2015-present.

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## **Industry Expertise**

Food Production, Environmental Services, Restaurant/Food Service

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## **Areas of Expertise**

Agriculture, Meteorology, Climatology

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## **Affiliations**

Supervisor, MSU Agricultural Weather Office, 1991-present.

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## **Education**

**Purdue University**

Ph.D. Agricultural Meteorology

**Purdue University**

M.S Agricultural Meteorology,

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