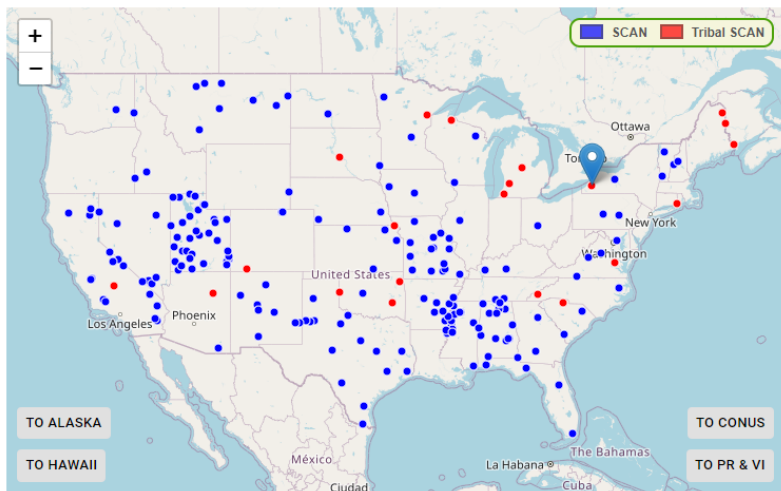


Informing Decisions with New and Improved Tools for the Soil Climate Analysis Network

What is the Soil Climate Analysis Network (SCAN)?



The U.S. Department of Agriculture's Natural Resources Conservation Service (USDA NRCS) operates a nationwide soil moisture and climate information network called the Soil Climate Analysis Network (SCAN). The network is comprised of over 200 stations, which are placed primarily on agricultural lands, including selected tribal lands (TSCAN). The following variables are monitored by the network: air temperature, relative humidity, solar radiation, liquid precipitation, wind speed and direction, soil temperature, and soil moisture.

What are we trying to improve?

The USDA's Northeast Climate Hub and the Northeast Regional Climate Center at Cornell University are teaming up to gather input on how we can make SCAN and TSCAN data and tools more useful for your needs. Any suggestions are welcome, including ideas for new tools. Access our current line-up of agro-climate tools here: <https://scantools.rcc-acis.org/>.

Growing Degree Day Calculator



Monitor heat accumulation throughout the growing season.

Water Deficit Calculator



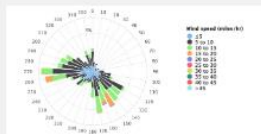
Track changes in the available soil water content.

Weather Grapher



View data for multiple variables and timescales.

Wind Rose Diagram



Summarize wind speed and direction over time.

Livestock Heat Index



Assess dangerous conditions for livestock by the hour.

Access tools:



To provide feedback, or learn more, please contact Natalie Umphlett, nau3@cornell.edu.



Northeast Climate Hub
U.S. DEPARTMENT OF AGRICULTURE



Northeast Regional
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