

USDA Climate Hubs (Northern Plains-Midwest)



Assessments and Syntheses
delivering relevant information

Outreach and Education
enabling climate-informed decisions

Technical Support
facilitating engagement, discovery and exchange





Wyoming Conditions Monitoring Team



Home Sectors Assistance Webinars Education Maps & Data About & Contact

Drought Information & Resources

Serving the people of Wyoming
with the information you need when drought occurs



- Weekly team discussions
- Monthly webinars
- New WY drought website

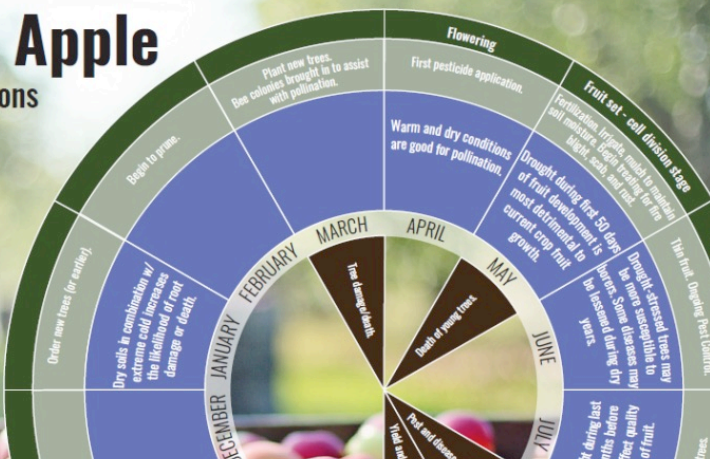
<https://drought.wyo.gov/About.html>

In FY2022, 12 public webinars with 350 live attendees plus 493 views of online recordings.

Specialty Crop Decisions in Drought Years

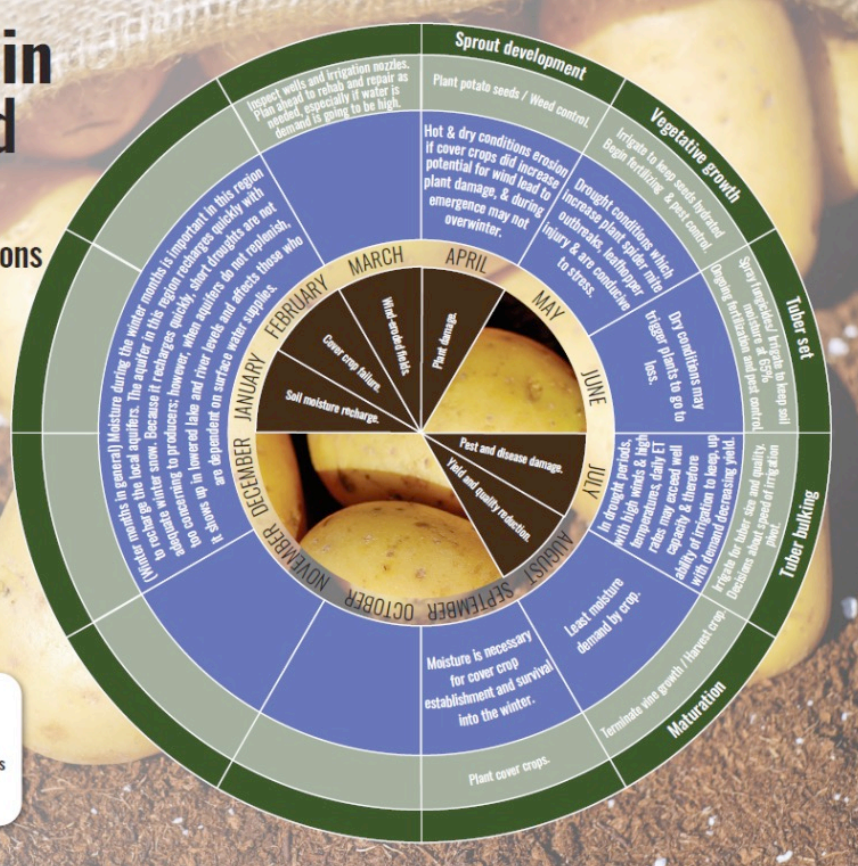
Midwest Apple Production Decisions

During a Drought Year



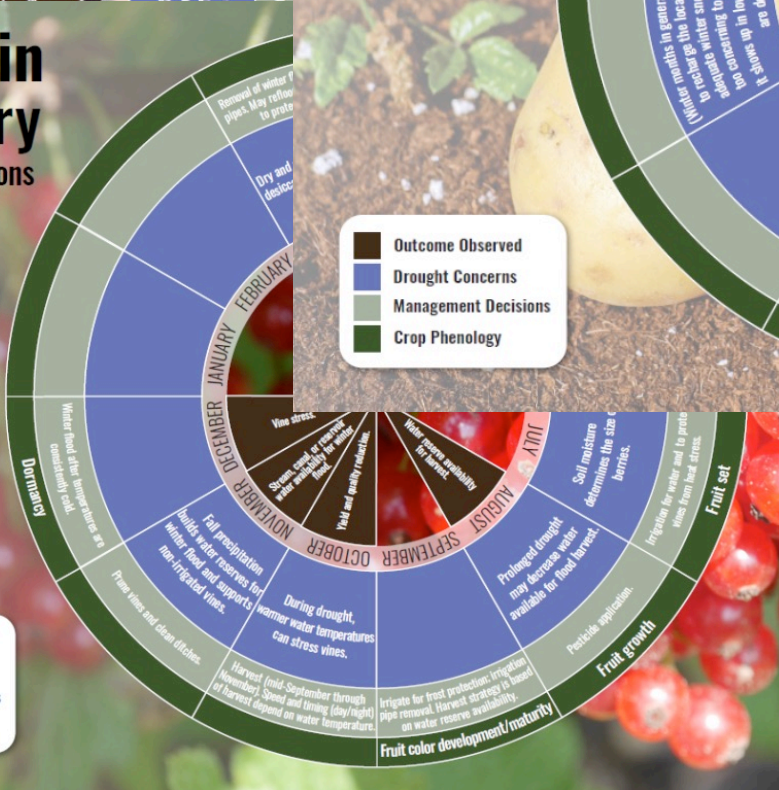
Wisconsin Irrigated Potato Production Decisions

During a Drought Year



Wisconsin Cranberry Production Decisions

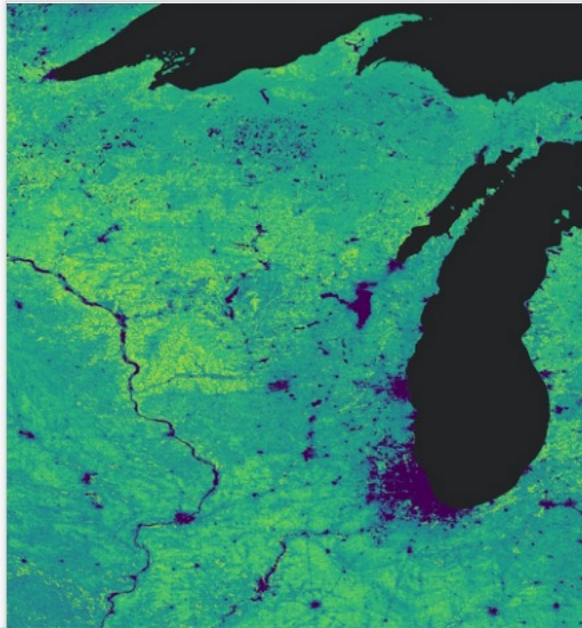
During a Drought Year



Meeting the Drought Information Needs of Midwest Perennial Specialty Crop Producers
 Haigh et al. 2022.

<https://doi.org/10.1175/JAMC-D-21-0105.1>

Midwest ET Climatology – NASA Develop

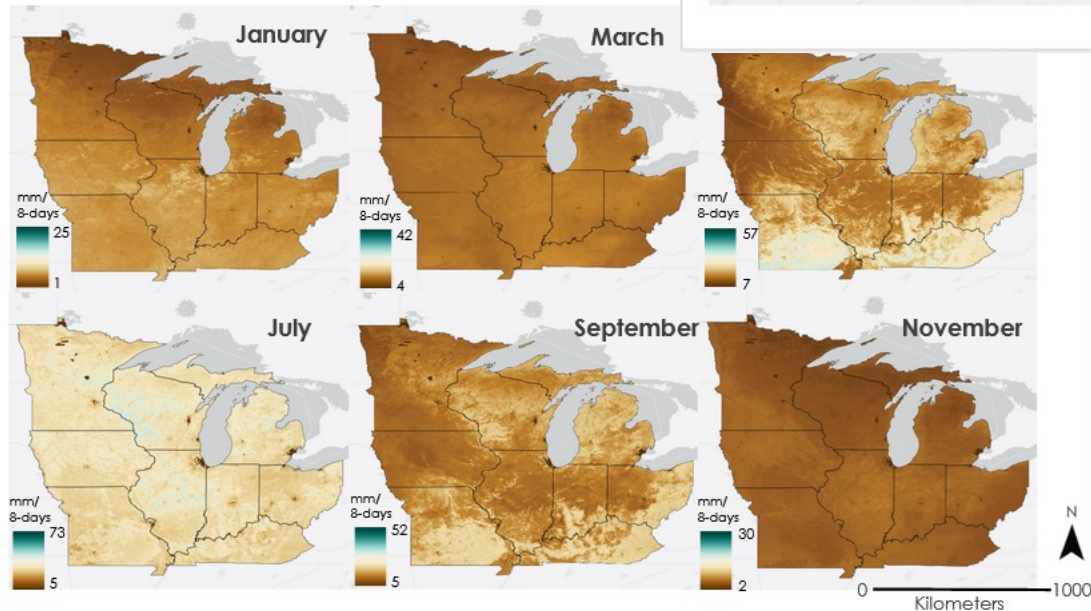


MIDWEST Water Resources

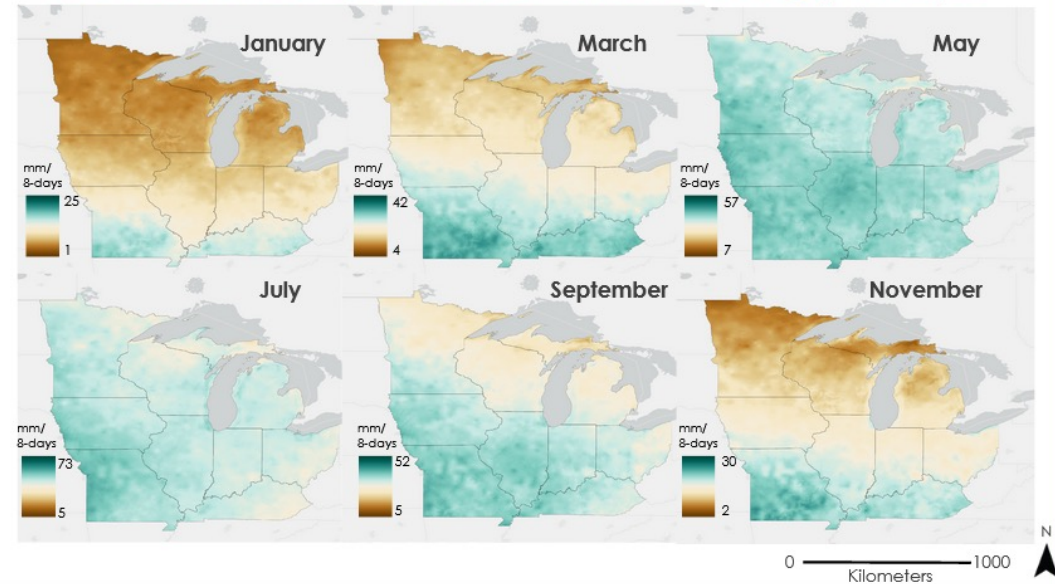
Developing an Evapotranspiration
Climatology to Analyze Spatiotemporal Water
Budget Patterns for Agriculture and Natural
Resource Managers in the Midwest

Emma Myrick, Erica Barth-Naffilan, Erin Shives, & Alec Solberg

Results: Actual ET Climatol



Results: Reference ET Climatology Maps



DEVELOP

National Aeronautics and
Space Administration



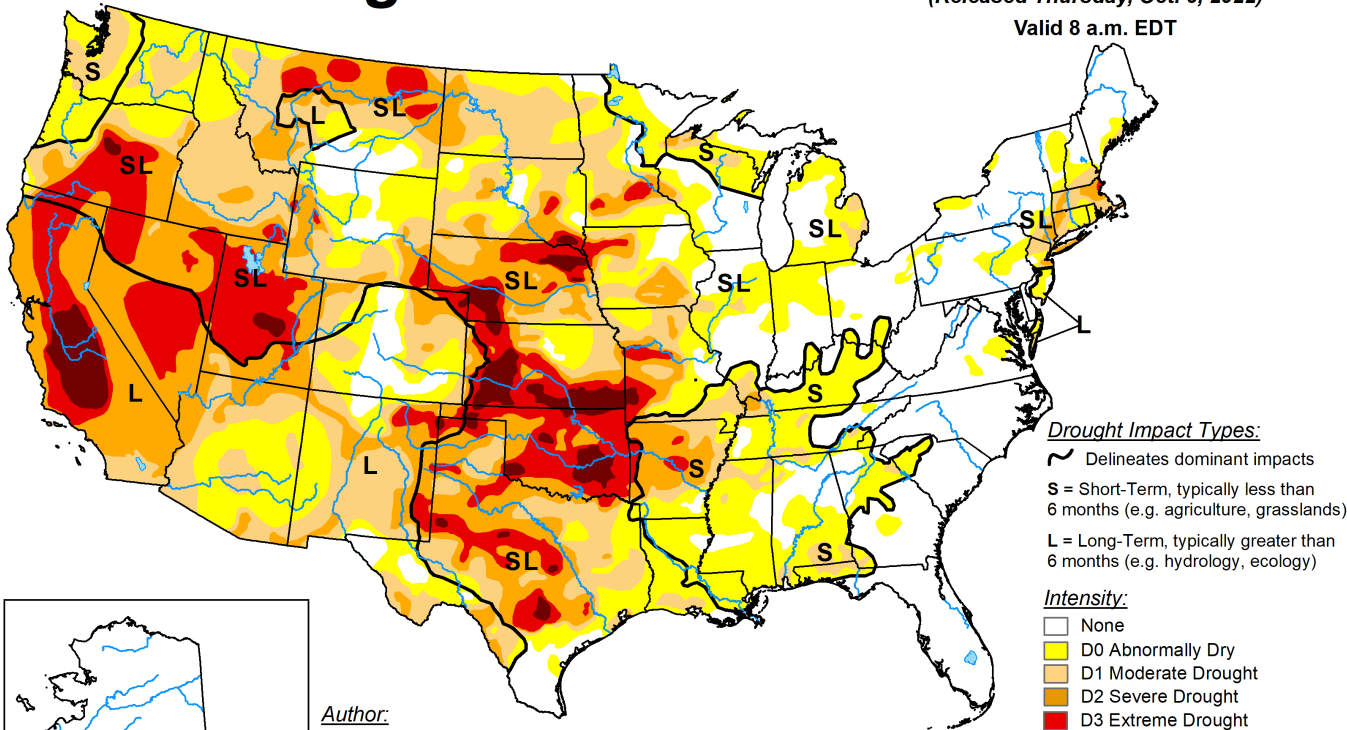
Midwest Climate Hub
U.S. DEPARTMENT OF AGRICULTURE

- Two sessions
- Reference/Actual ET and water balance
- Comparisons to ground-based measurement

Other Drought Work

U.S. Drought Monitor

October 4, 2022
(Released Thursday, Oct. 6, 2022)
Valid 8 a.m. EDT



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CPC/NOAA

The Drought Monitor focuses on broad-scale conditions.
Local conditions may vary. For more information on the
Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>



droughtmonitor.unl.edu

- Cooperator on Drought Status Updates
- Regional collaboration on drought conditions Iowa/Midwest
- NW Iowa Drought Planning Meeting (2020)
- Advising Iowa Drought Plan Rewrite
 - Last created 1985 (2nd oldest)
 - New staff/conditions