



THE FUTURE OF FARMING IN THE METHOW VALLEY Farmers' Forum Resources

February 2024

The following web-based resources and information were shared by our presenters at the 2024 Farmers' Forum.

Tools to Help Anticipate and Manage for a Changing Climate:

<https://csanr.wsu.edu/educational-opportunities/climate-education-resources/>

- A clearinghouse of many of the tools/resources shared during the Forum and more!

<https://agclimate.net/>

- A web-based hub for communication between regional scientists and stakeholders about climate change, agricultural and natural resources topics

<https://climate.washington.edu/climate-data/trendanalysisapp/>

- Analyze monthly temperature and precipitation trends around the Northwest

<https://climatetoolbox.org/agriculture>

- Collection of web-based tools created by the University of California Merced.

<https://www.climatehubs.usda.gov/hubs/northwest/tools>

- The USDA's hub for info relevant to the northwest

https://www.reacchpna.org/case_studies

- Farmer-to-farmer case studies from around the region

<https://www.stock-smart.com/>

- A decision support tool for grazing management in a variable and changing world

Irrigation Specific Resources:

<http://irrigation.wsu.edu/Content/ConversionCalculator.html>

- A rough estimate of how much water can be saved, where that water will be saved from, and where the lost water will go by converting from one type of irrigation system to another

<http://irrigation.wsu.edu/Content/Calculators/Historic/StationCropDOY.php>

- Estimates historic average water needs

<http://irrigation.wsu.edu/Content/Calculators/Historic/WoodruffChart.php>

- If you prefer a pen and pencil way to do irrigation scheduling

<http://irrigation.wsu.edu/Content/Fact-Sheets/LEPA-LESA.pdf>

- A paper describing low energy precision application and low elevation spray application irrigation systems

<http://irrigation.wsu.edu/Content/Fact-Sheets/VRI.pdf>

- A paper on variable rate irrigation on center pivots

<http://irrigation.wsu.edu/Content/Fact-Sheets/MDI.pdf>

- A paper on mobile drip irrigation

http://irrigation.wsu.edu/Content/Fact-Sheets/Irrigation_Drought.pdf

- A paper describing irrigation water management options for drought

Funding and Other Support Services:

<https://www.scc.wa.gov/programs/sustainable-farms-fields>

- A Washington State program that “that makes it easier and more affordable for farmers and ranchers to implement climate-smart practices”

<https://www.okanogancd.org/>

- Okanogan County Conservation District provides service free of cost to landowners and residents within the district's boundaries. District programs are categorized under five general natural resource categories - habitat, water, agriculture, wildfire & forest health, and education and are inclusive of many kinds of conservation projects and services.

<https://www.nrcs.usda.gov/>

- The federal agency that “delivers conservation solutions so agricultural producers can protect natural resources and feed a growing world.”

Slides from the Forum:

[Reflections from a historical \(1982\) report on options for ag in Okanogan County presented by David Granatstein, Sustainable Agriculture Specialist, Emeritus, Washington State University.](#)

[Specific climate projections including opportunities/risks for the Methow Valley from Chad Kruger, Director of WSU's Center for Sustaining Agriculture & Natural Resources \(CSANR\)](#)

[Footprints of Agriculture and tradeoffs of sustainable practices with David Granatstein, Sustainable Agriculture Specialist, Emeritus, Washington State University.](#)

[Economic considerations for farmers on a range of topics \(climate, water, organic practices, etc.\) presented by Michael Brady, Assistant Professor and Extension Economist in the School of Economic Sciences, Washington State University.](#)

[Thoughts on climate resilience, adaptations, and regenerative agriculture from Chad Kruger.](#)

[Practical ideas for water efficiencies presented by Troy Peters, Ph.D., Professor of Biological Systems Engineering, College of Agricultural, Human, and Natural Resource Sciences, WSU.](#)

With appreciation to our speakers for sharing all of these resources:

David Granatstein, Sustainable Agriculture Specialist, Emeritus, Washington State University (WSU)

Chad Kruger, Director of WSU's Center for Sustaining Agriculture & Natural Resources (CSANR)

Michael Brady, Assistant Professor and Extension Economist in the School of Economic Sciences, WSU

Troy Peters, Ph.D., Professor of Biological Systems Engineering, College of Agricultural, Human, and Natural Resource Sciences at WSU

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