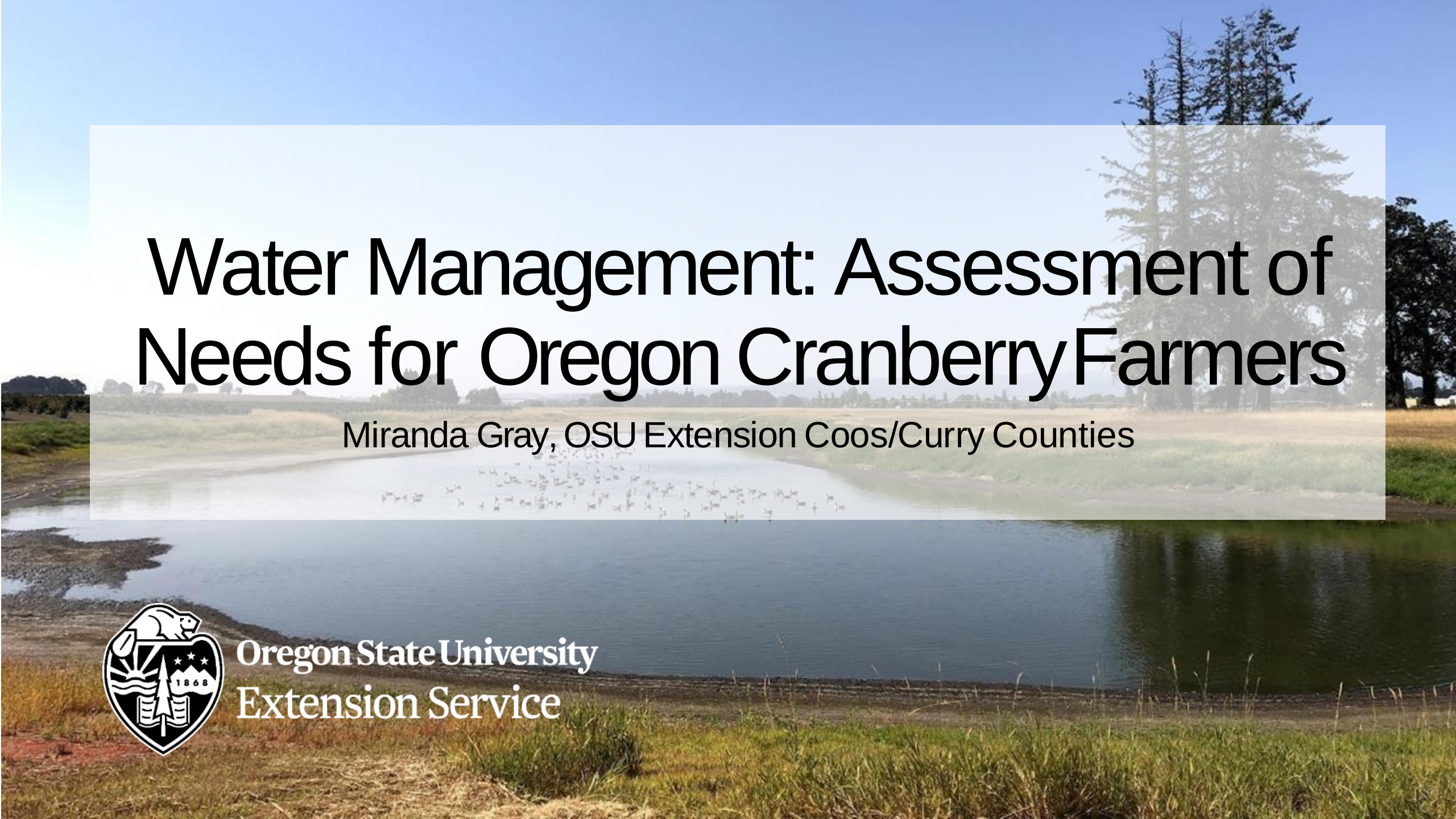


Water Management: Assessment of Needs for Oregon Cranberry Farmers

Miranda Gray, OSU Extension Coos/Curry Counties

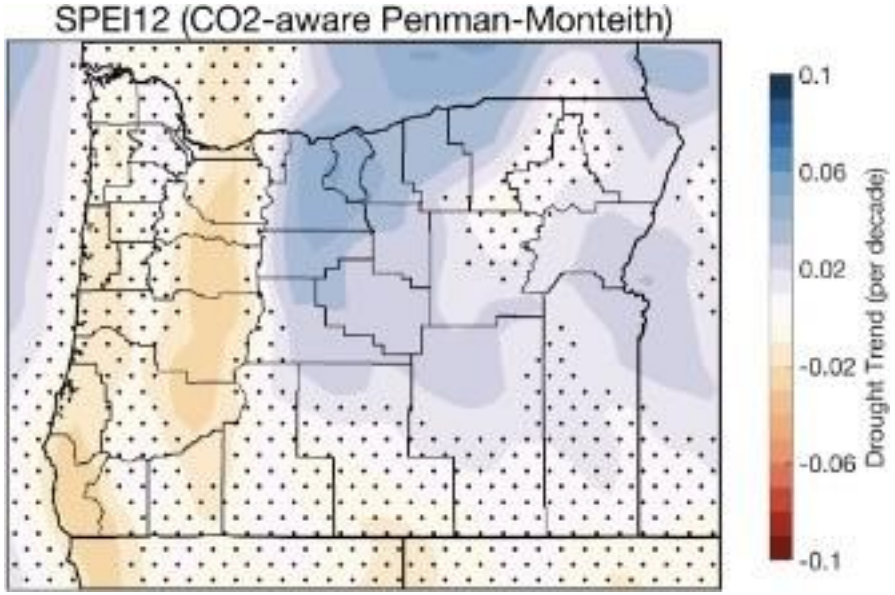
Oregon State University
Extension Service

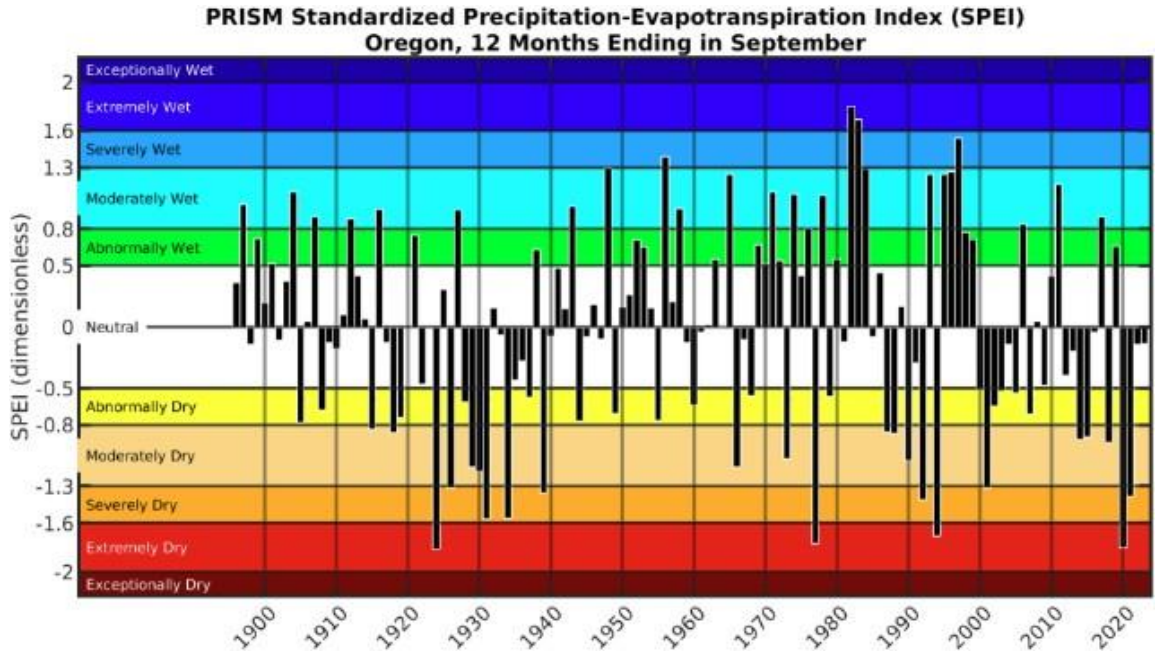
Presentation Overview

- Why **Water Management**?
- Why **OSU Extension**?
- Potential **Topical** Areas
- Potential **Resources**
- Group **Feedback**

Why Water Management for Cranberry Growers?

- Increase in summer droughts, increased irrigation demands
- Increase in heat and precipitation extremes, increased water quality concerns



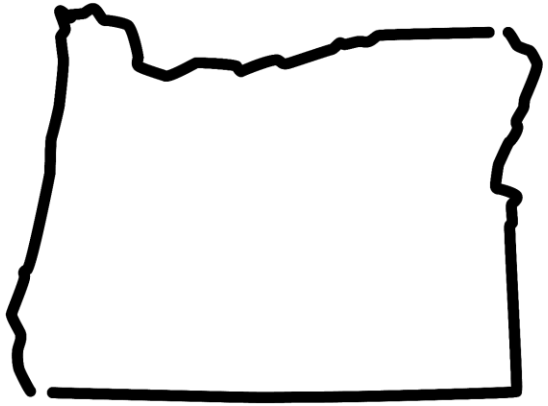


Why Water Management for Cranberry Growers?

- Hard to get new water rights, so growers are searching for creative water solutions

Why OSU Extension?

- Non-regulatory, non-advocacy organization
- Focused on solutions for coastal economies, communities and ecosystems
- Responsive to needs – what can we provide?



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Potential Water Management Topics

Water Storage & Conveyance

- Flood water control
- Surface water conveyance
- Ponds/reservoirs

Irrigation

- Conservation Measures
- System maintenance & upgrades
- Alternative sources

Erosion Control

- Sediment capture
- Sanding
- Roads

Water Quality

- Key parameters
- Troubleshooting water quality
- Monitoring and assessment

Water Storage & Conveyance

- Flood water control
  - Impoundment time
  - Flood release
  - Structures for water control
- Surface water conveyance
  - Open Channels
  - Underground outlets
- Ponds/Reservoirs
  - Uses
  - Maintenance
  - New Construction

Irrigation

- Conservation Measures
  - Water reuse
  - Automation
- System Maintenance/Upgrades
  - Automation
  - Monitoring
- Alternative sources
  - Surface and Groundwater

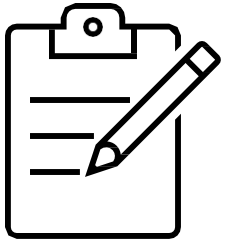
Erosion Control

- Sediment Capture
  - Sediment basins
  - Sediment barriers
  - Vegetation
- Roads
  - Maintenance
  - New construction
- Sanding
  - Stockpiling
  - Disposal

Water Quality 

- Key Parameters
  - Temperature
  - pH
  - Nutrients
- Troubleshooting
  - Identifying sources (eg runoff vs groundwater)
  - Prevention/treatment options
- Monitoring & Assessment
  - When and what to test/monitor
  - Interpreting water quality assessments

Potential Water Management Resources



- Best Management Practices
- Regulatory Guidance
- Identifying & Troubleshooting Issues

Questions/Ideas?
Please fill out the survey to help guide resource development.

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