



Smart Practices.
Sustainable Solutions.



VIRTUAL US-EU AGRO-FINANCE FORUM FOR SOUTHEAST EUROPE

2 November, 2016





Irrigation Association

The Irrigation Association is the leading membership organization for water management companies and professionals in agriculture, landscape and golf.





MISSION:
To promote efficient irrigation

VISION:
To be the recognized authority on irrigation

CORE STRATEGIC INITIATIVES

ADVOCACY

Government
Affairs

Public Affairs

Standards &
Codes

PROFESSIONAL DEVELOPMENT

Education

Training

Certification

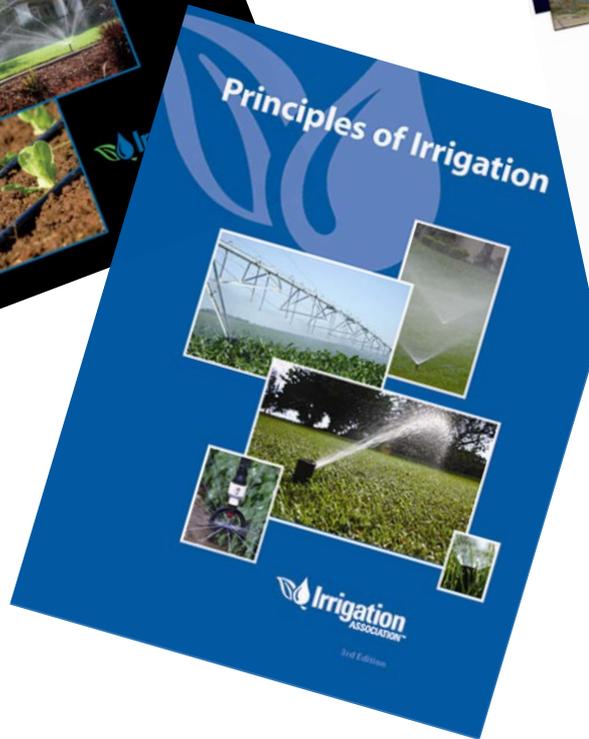
CORE SUPPORT INITIATIVES

Membership

Irrigation
Show



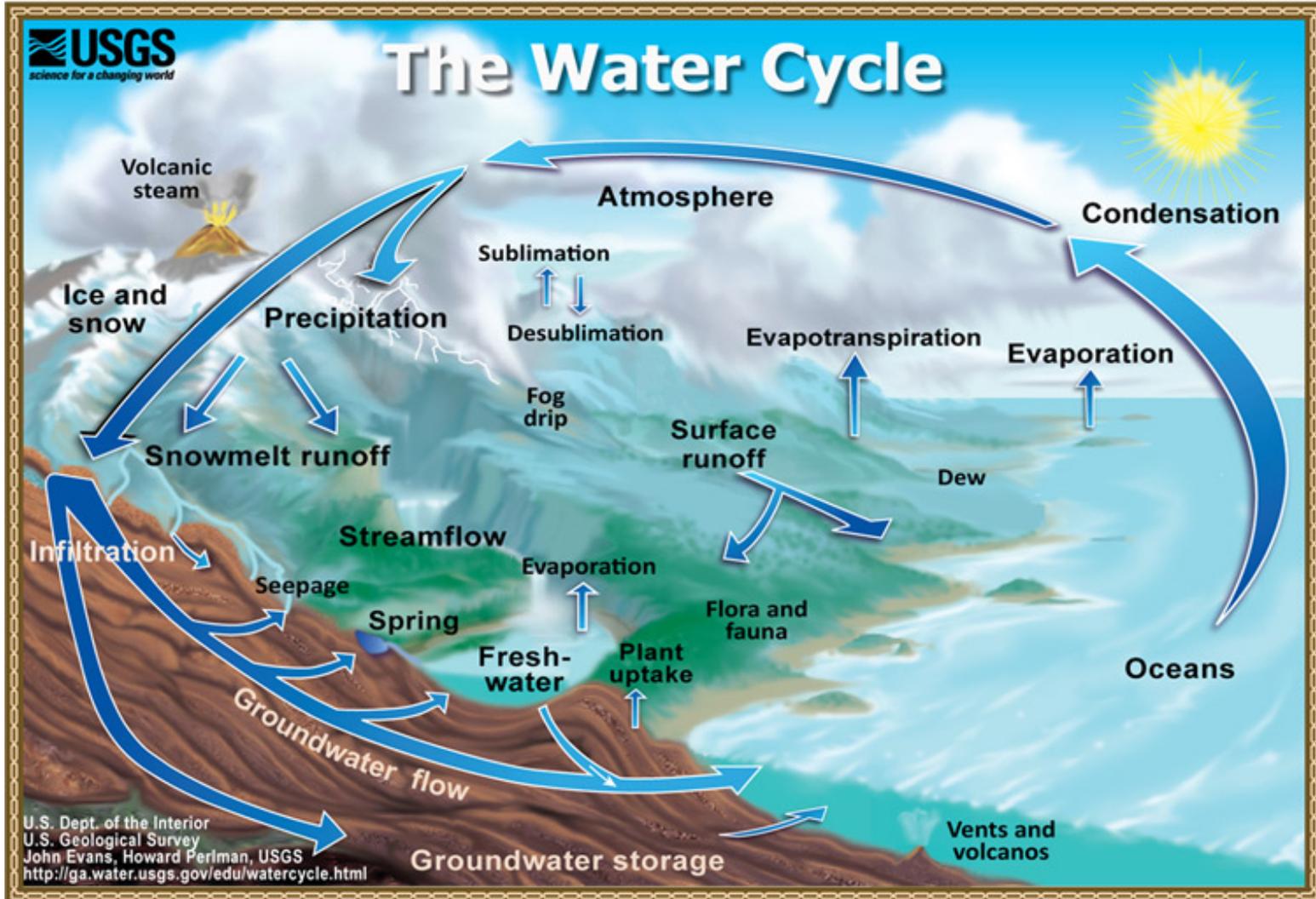
Education





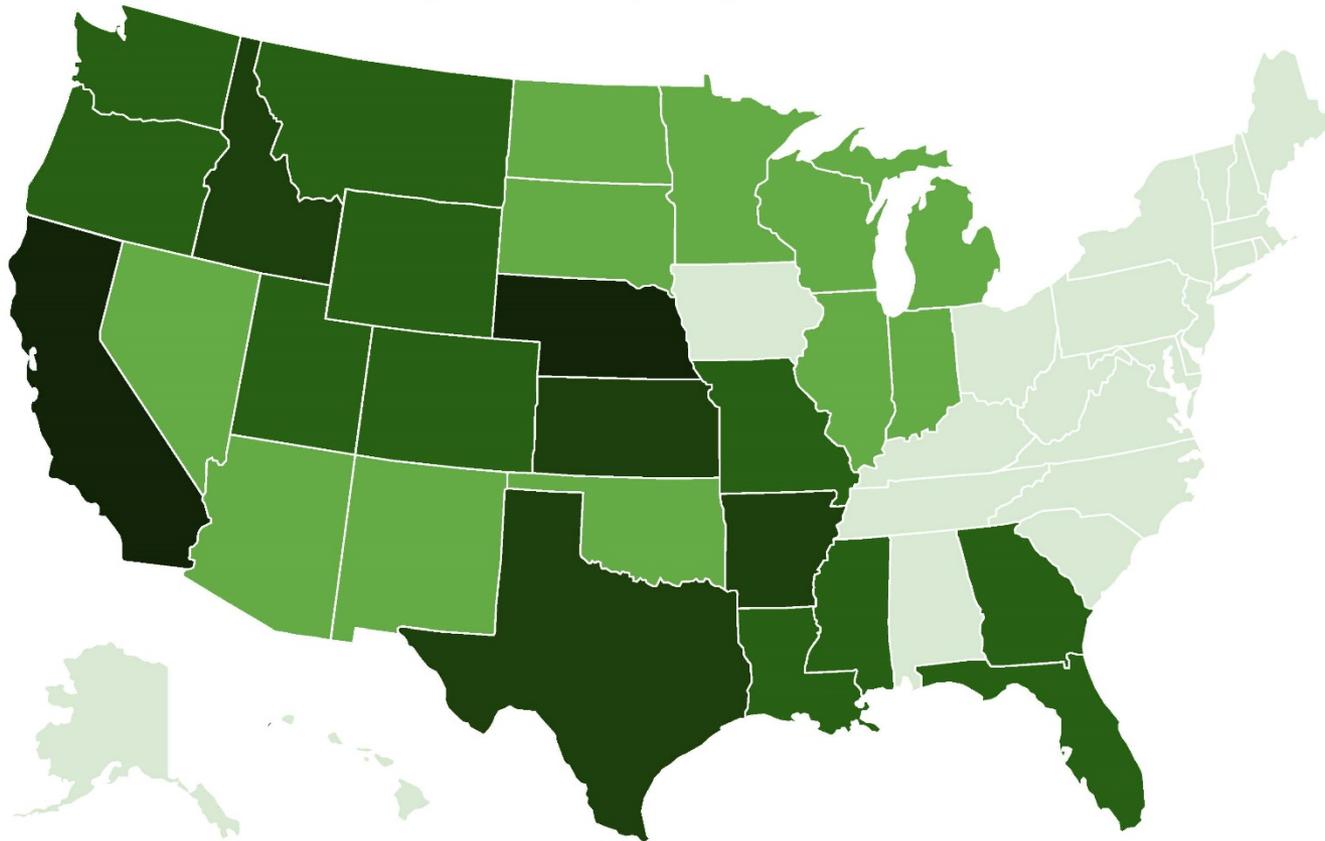
Certification





Agricultural Irrigation in the United States

U.S. Department of Agriculture, Farm and Ranch Irrigation Survey 2013
(2012 Census of Agriculture), November 2014

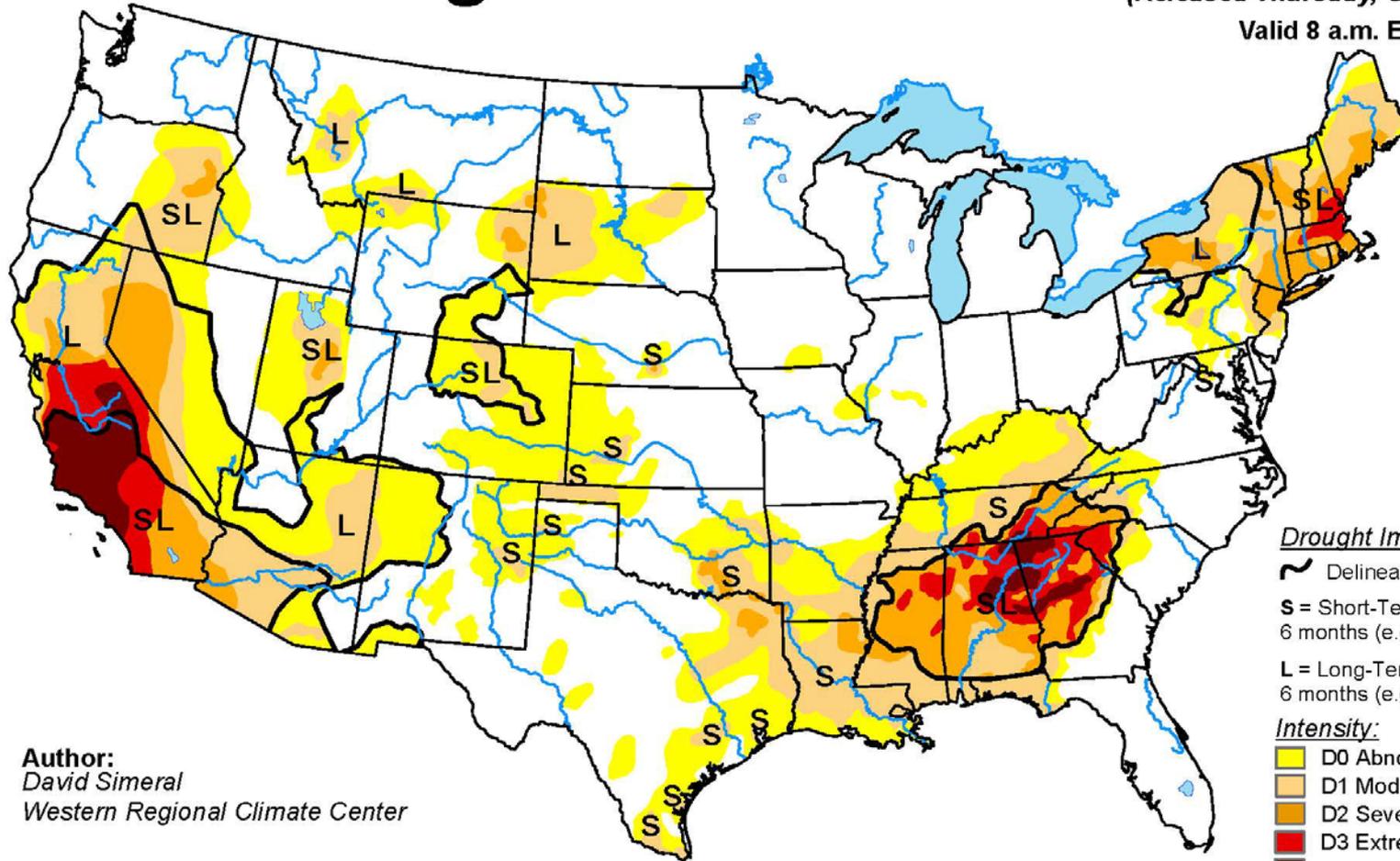


Irrigated Acres

0 - 175,847	175,847 - 851,861	841,861 - 2,309,543
2,309,053 - 4,950,053	4,950,053 - 8,297,560	

U.S. Drought Monitor

October 25, 2016
 (Released Thursday, Oct. 27, 2016)
 Valid 8 a.m. EDT



Author:
 David Simeral
 Western Regional Climate Center

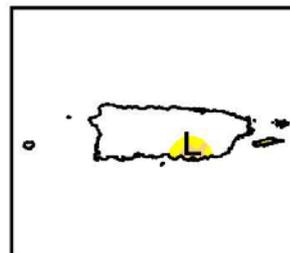
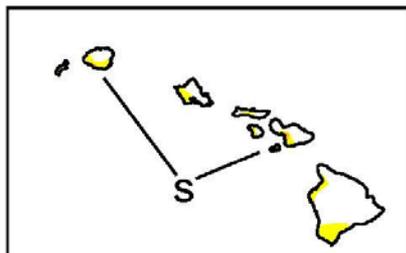
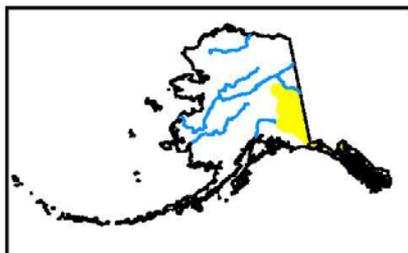
Drought Impact Types:

-  Delineates dominant impacts
- S** = Short-Term, typically less than 6 months (e.g. agriculture, grasslands)
- L** = Long-Term, typically greater than 6 months (e.g. hydrology, ecology)

Intensity:

-  D0 Abnormally Dry
-  D1 Moderate Drought
-  D2 Severe Drought
-  D3 Extreme Drought
-  D4 Exceptional Drought

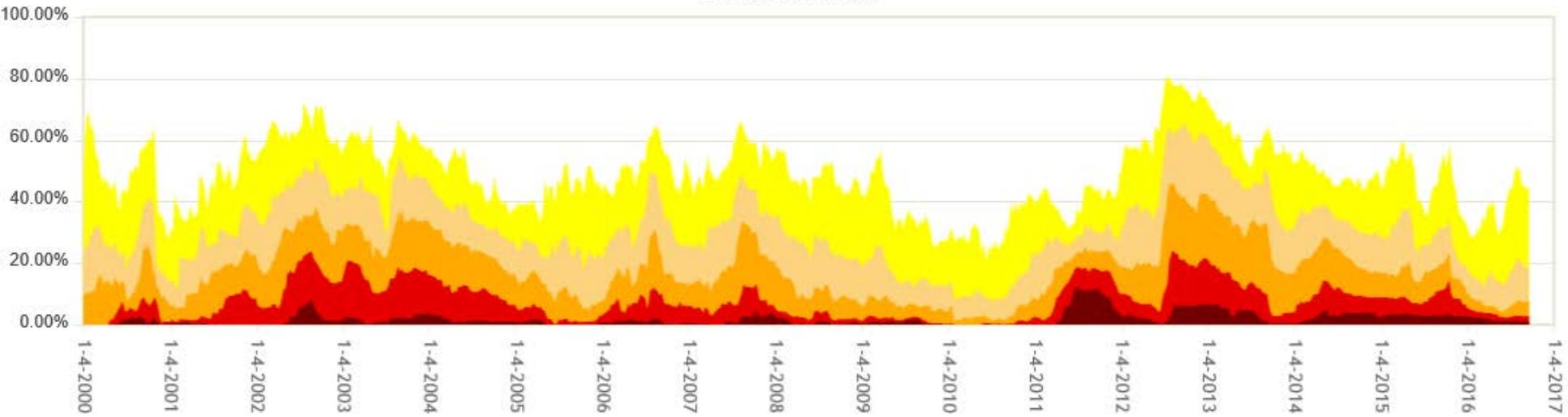
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.



<http://droughtmonitor.unl.edu/>

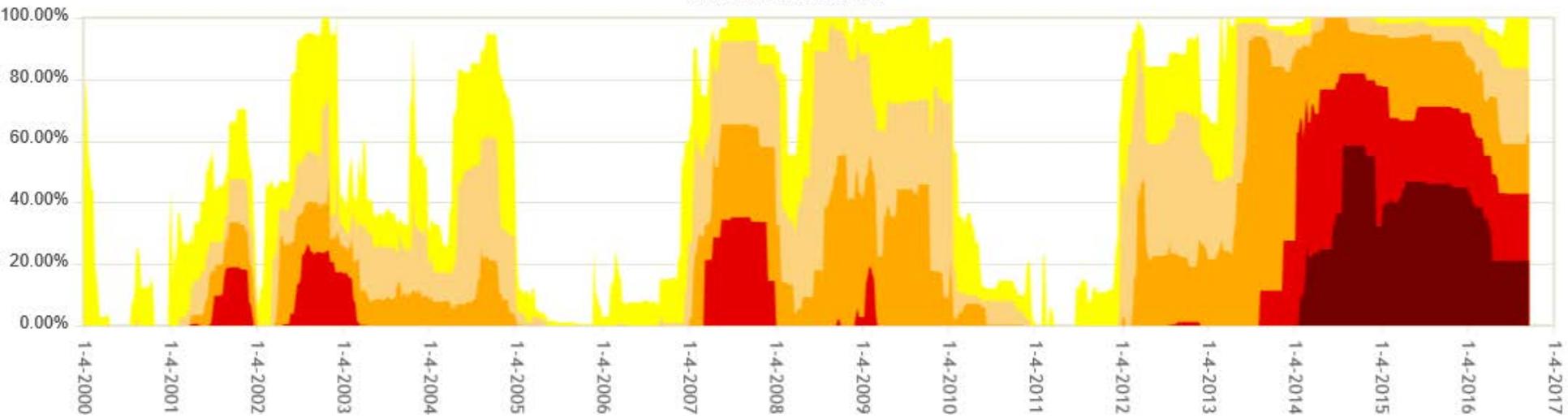


CONUS Percent Area



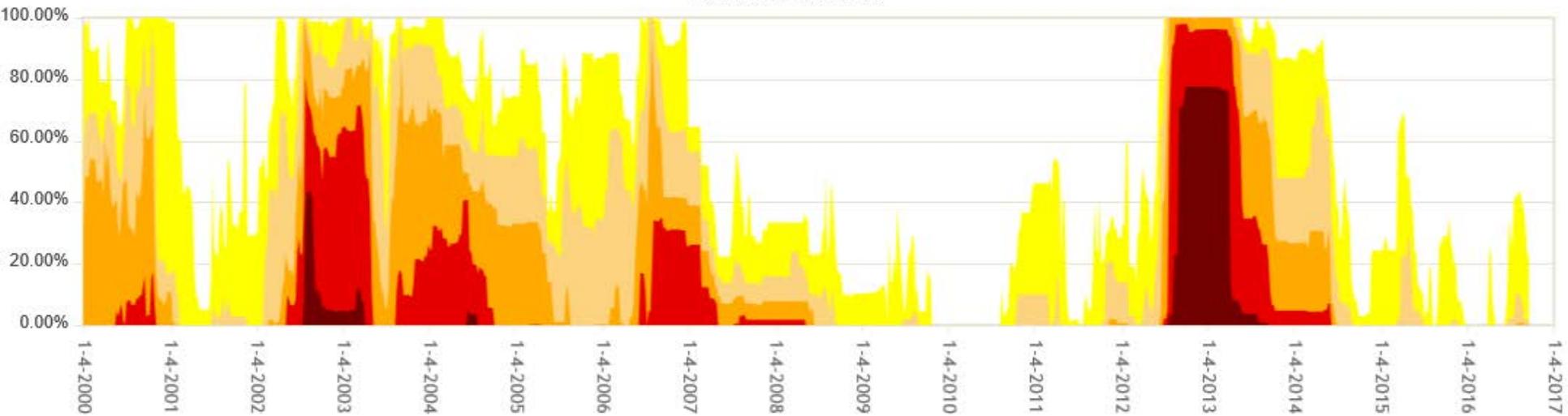


California Percent Area





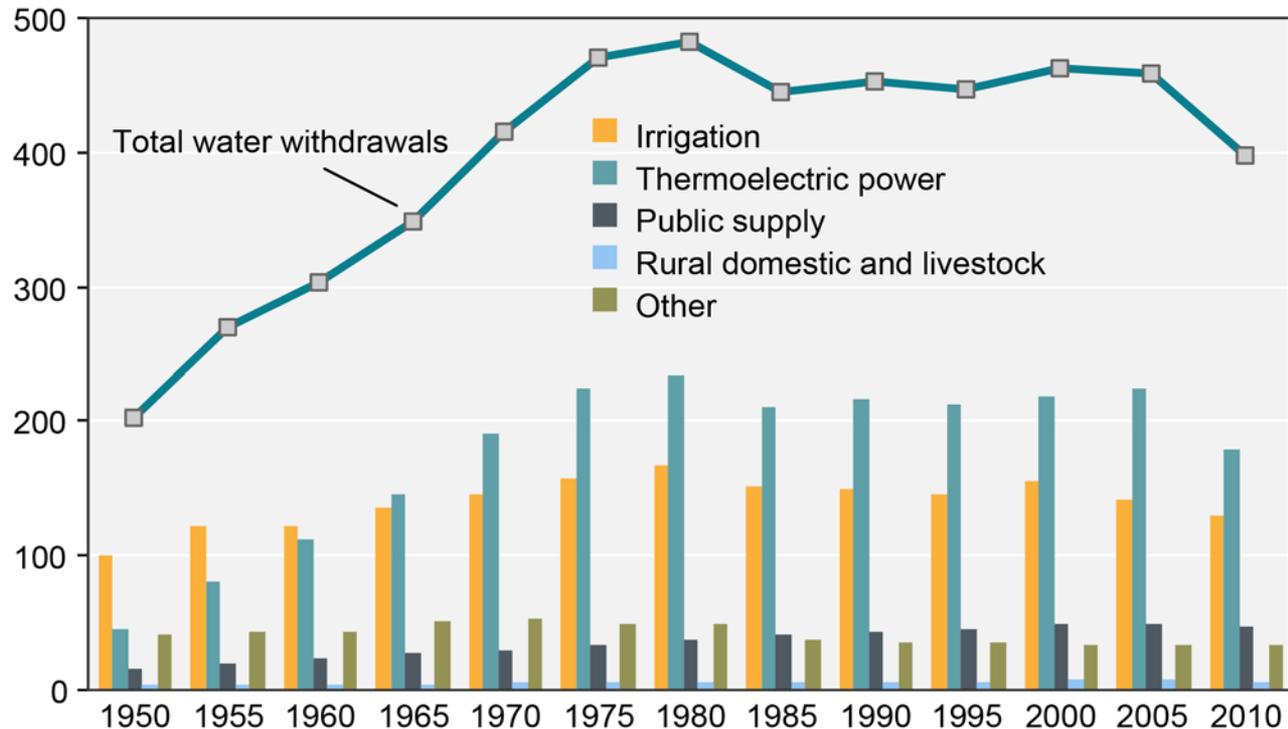
Nebraska Percent Area





U.S. water demands by major sector, 1950-2010

Withdrawals (million acre-feet per year)



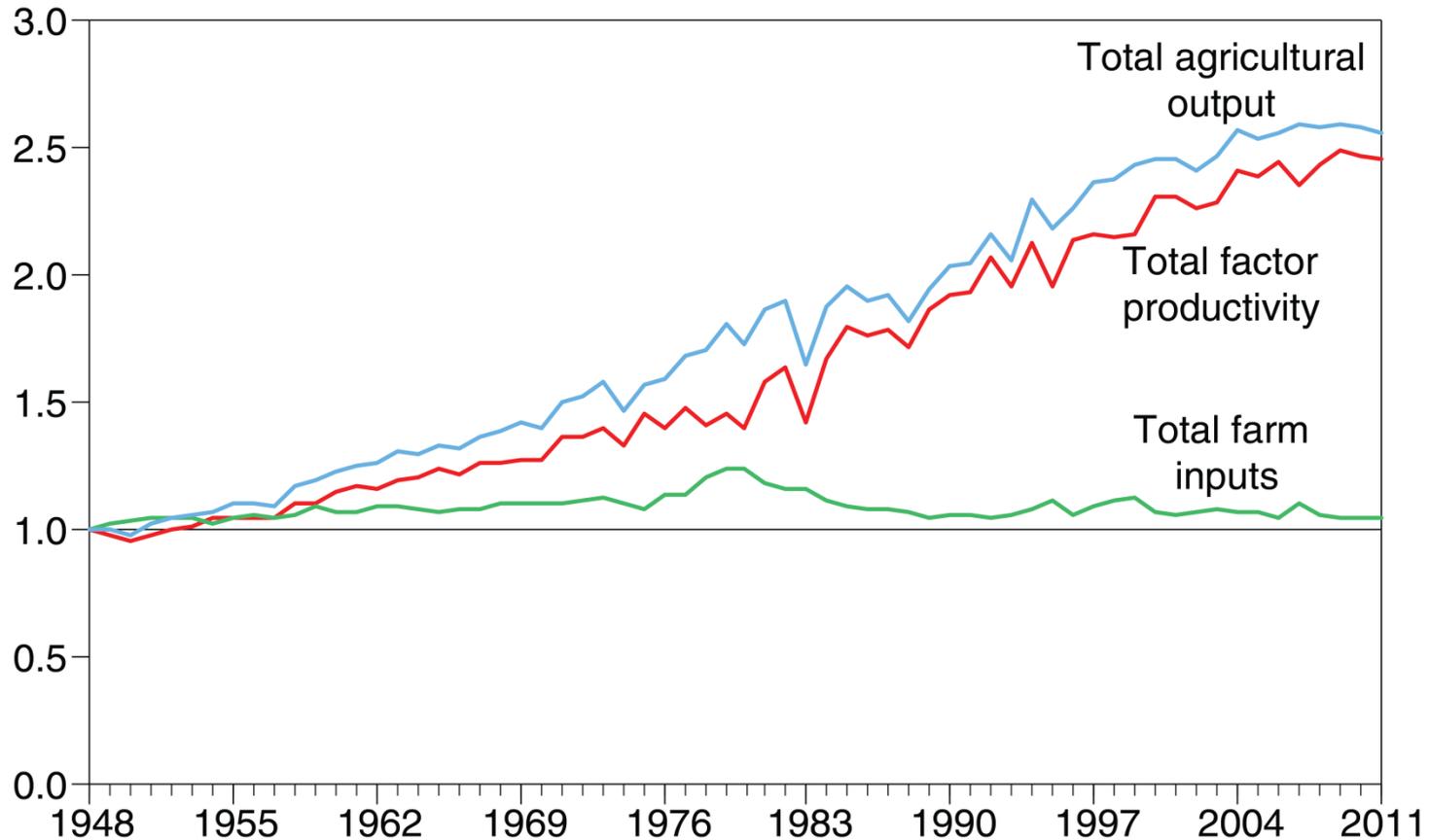
Note: "Other" category includes water use for the self-supplied industrial, mining, commercial, and aquaculture sectors.

Source: USDA, Economic Research Service using data from U.S. Geological Survey, Estimated Use of Water in the United States in 2010.



U.S. agricultural output, input, and total factor productivity, 1948-2011

Indices, 1948=1



Source: USDA, Economic Research Service, Agricultural Productivity in the U.S. data product.



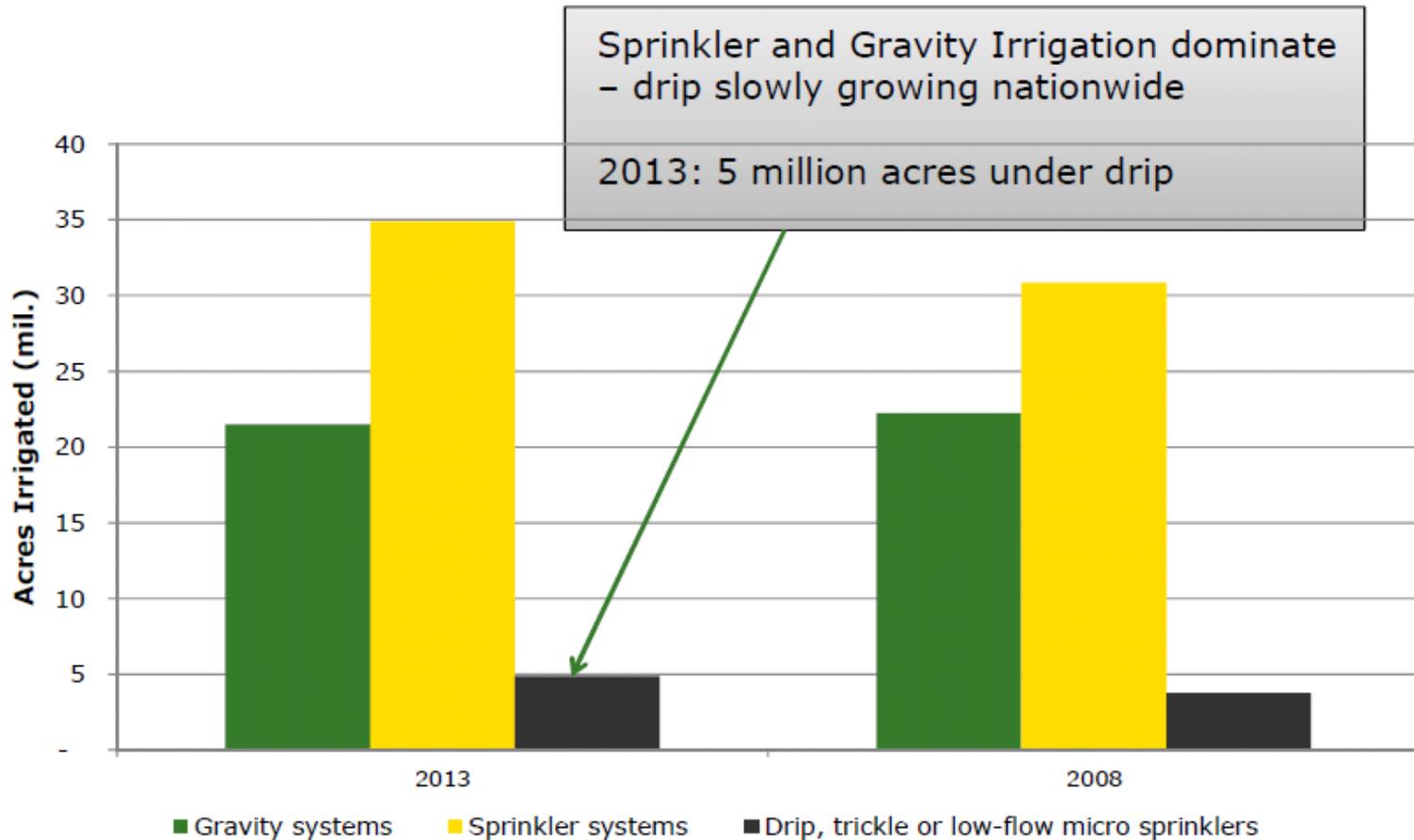


Driving Technology



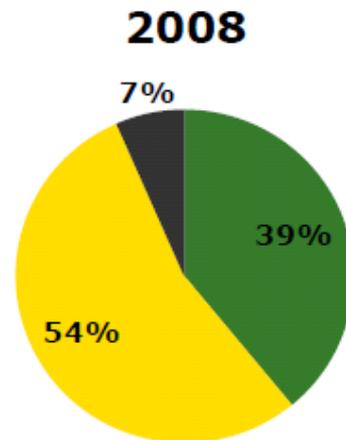


Sprinkler still primary irrigation method

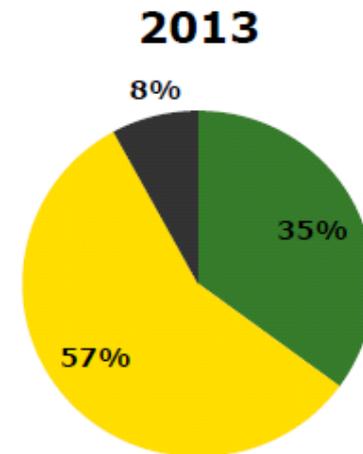




Sprinkler method increasing, gravity declining



- Gravity systems
- Sprinkler systems
- Drip, trickle or low-flow micro sprinklers



- Gravity systems
- Sprinkler systems
- Drip, trickle or low-flow micro sprinklers



Oxygen.
Food.
Life.

Just add water.



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