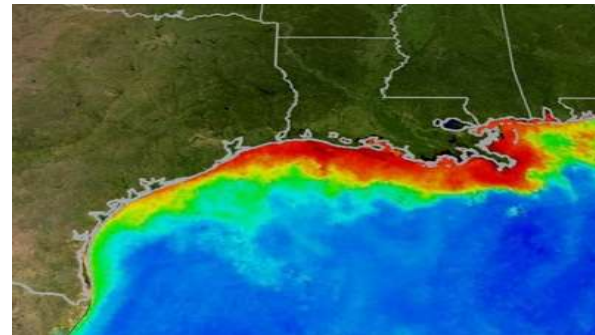
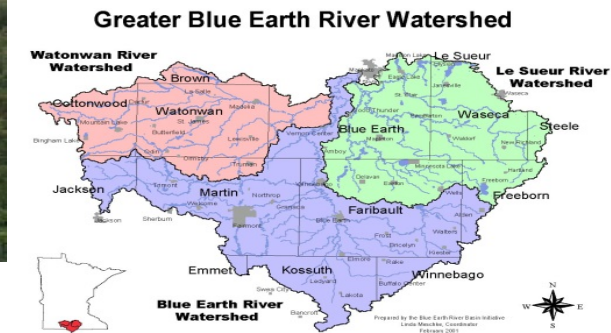


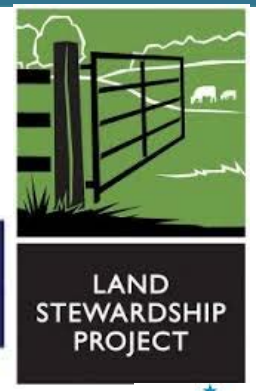
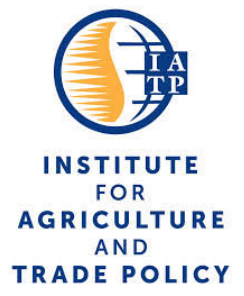


Green Lands Blue Waters





GLBW is a Regional Partnership



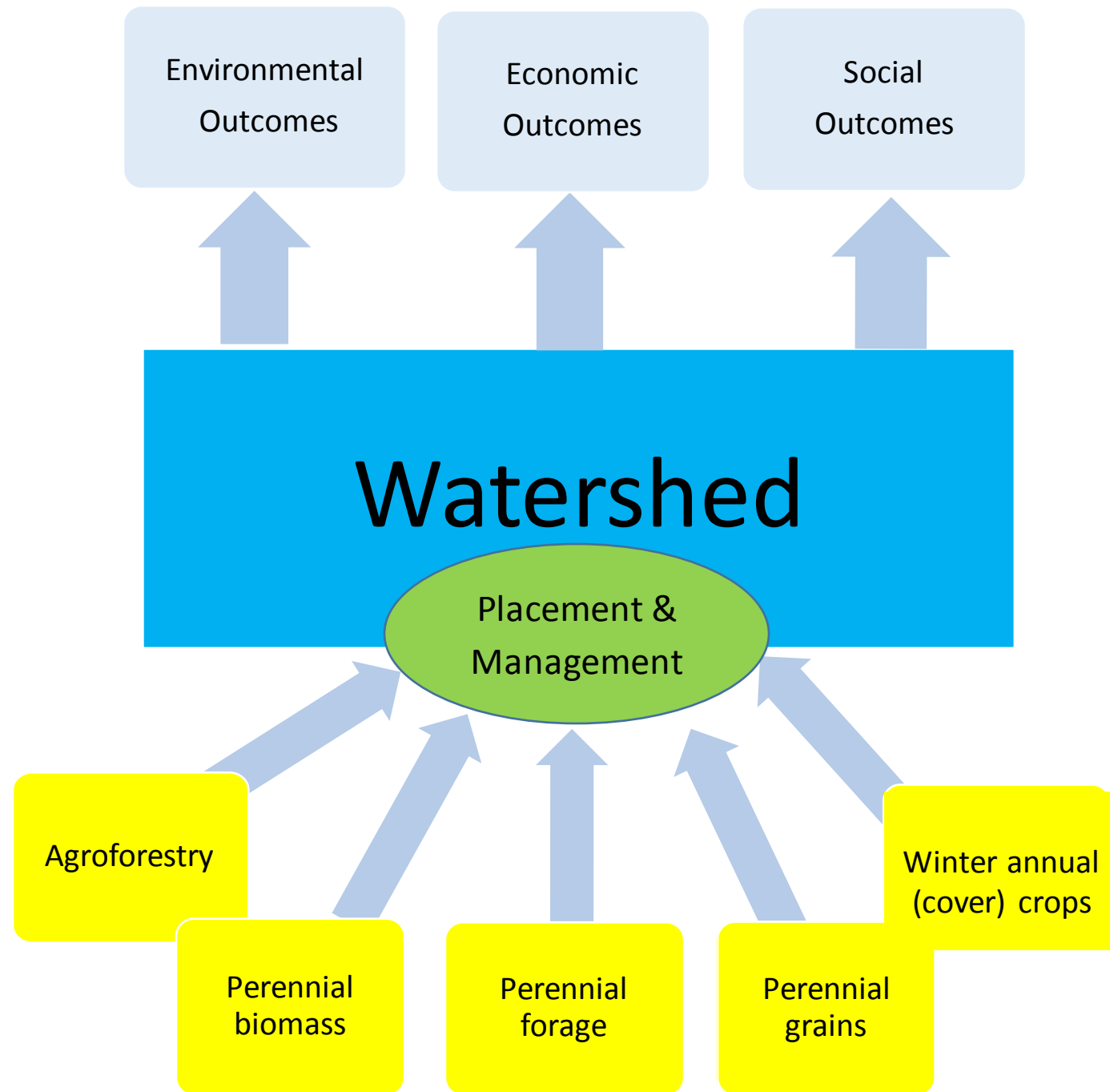
Environmental Benefits of Continuous Living Cover Farming

- Cleaner surface and groundwater
- Improved soil health
- GHG mitigation and climate adaptation
- More habitat for wildlife and pollinators

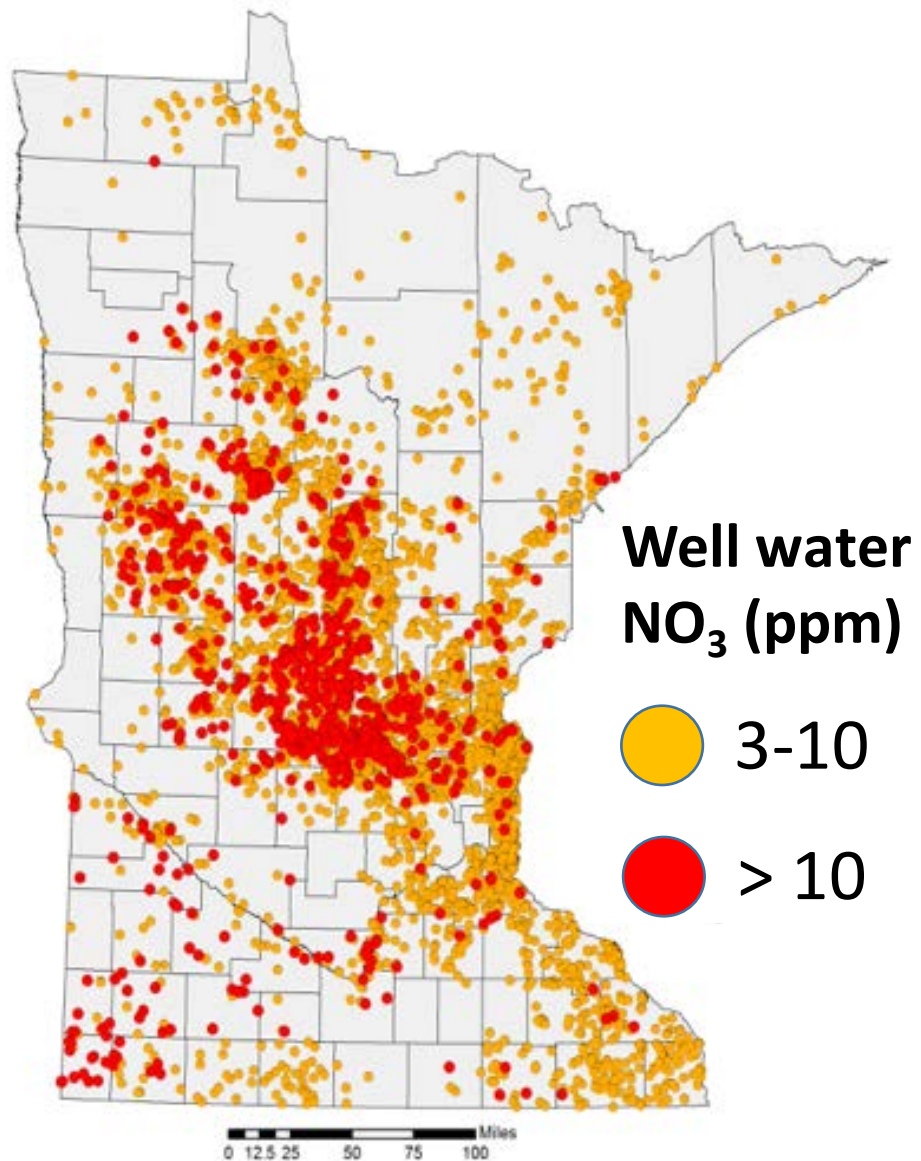


Economic Drivers for Continuous Living Cover Farming





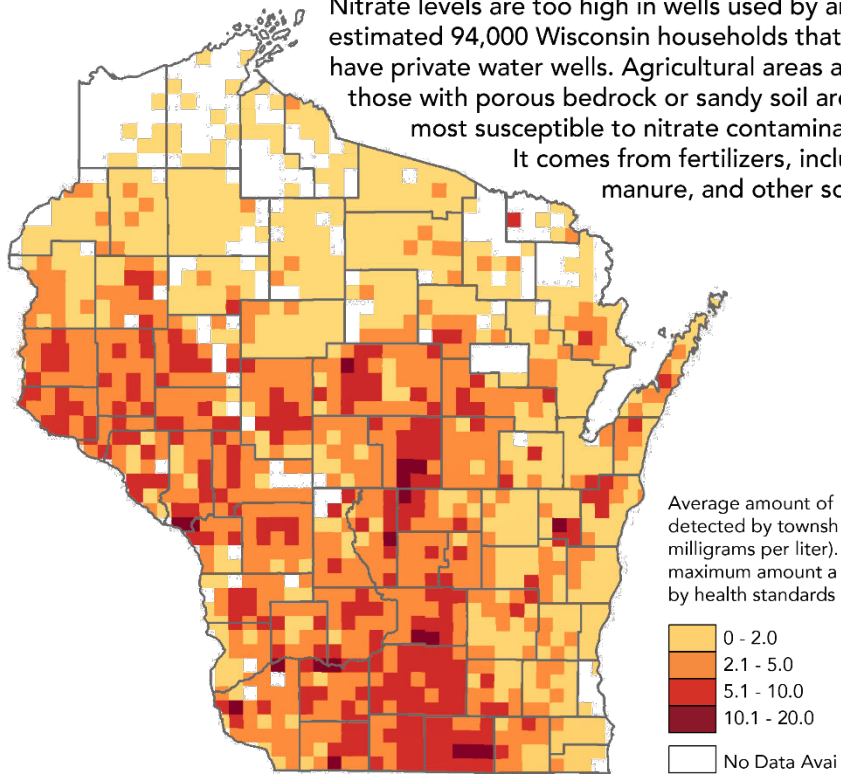
Nitrate Leaching and Groundwater



A regional problem

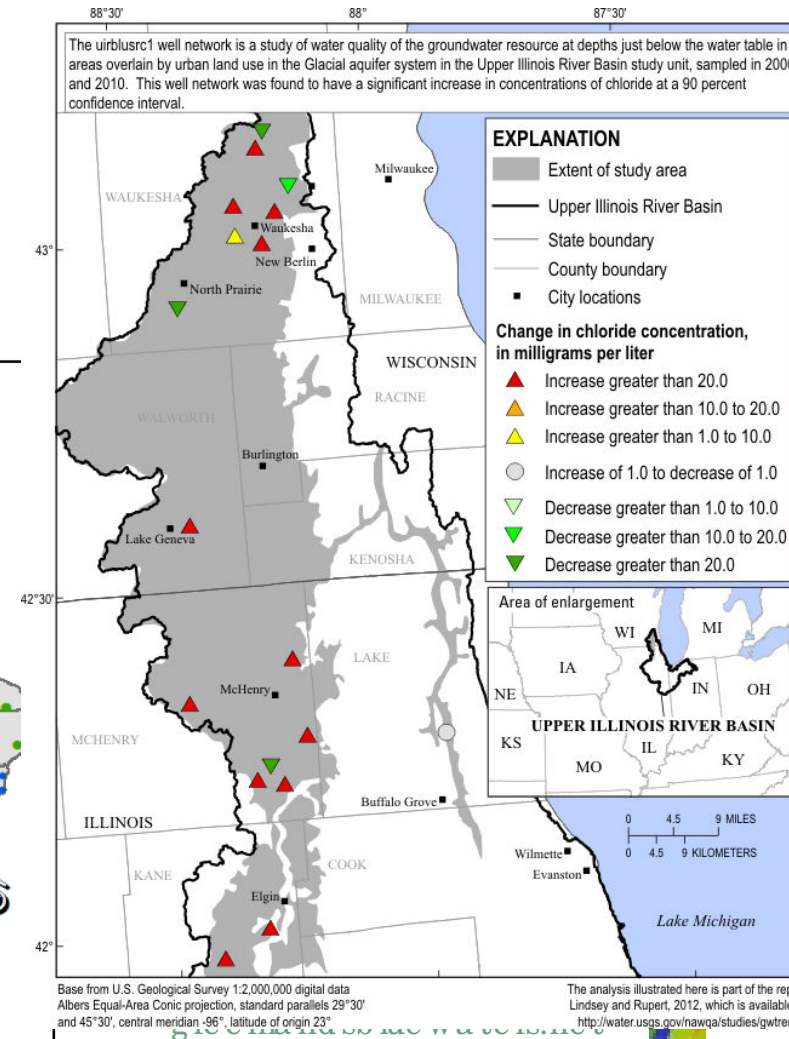
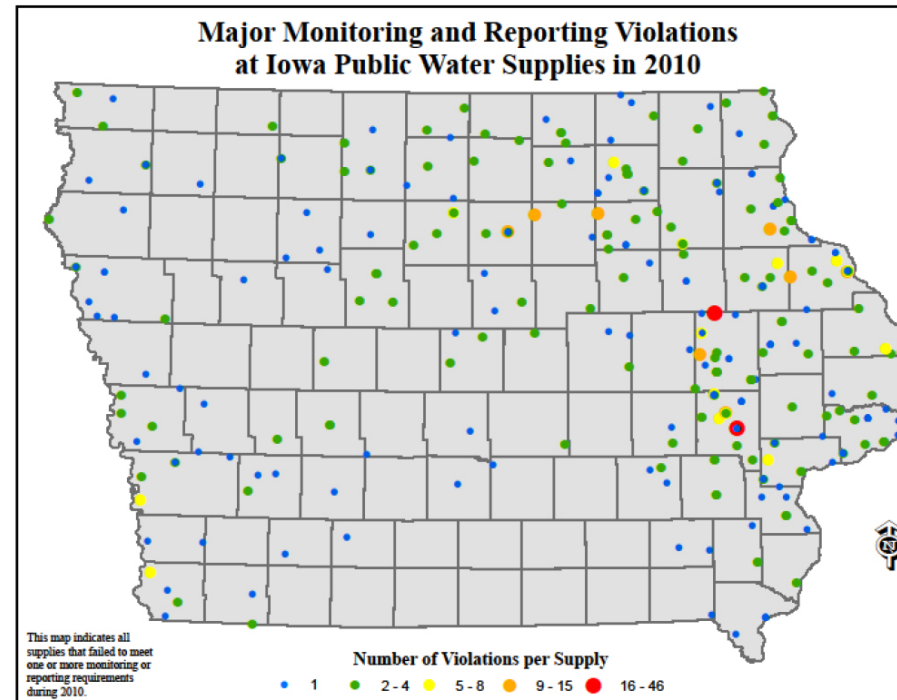
Nitrate in drinking water around Wisconsin

Nitrate levels are too high in wells used by an estimated 94,000 Wisconsin households that have private water wells. Agricultural areas and those with porous bedrock or sandy soil are most susceptible to nitrate contamination. It comes from fertilizers, including manure, and other sources.



CREDIT: Katie Kowalsky/Wisconsin Center for Investigative Journalism

SOURCE: Well Water Quality Viewer, University of Wisconsin-Stevens Point's Center for Watershed Science and Education
Drinking Water Quality in Rural Wisconsin, Journal of Environmental Health, 2013.



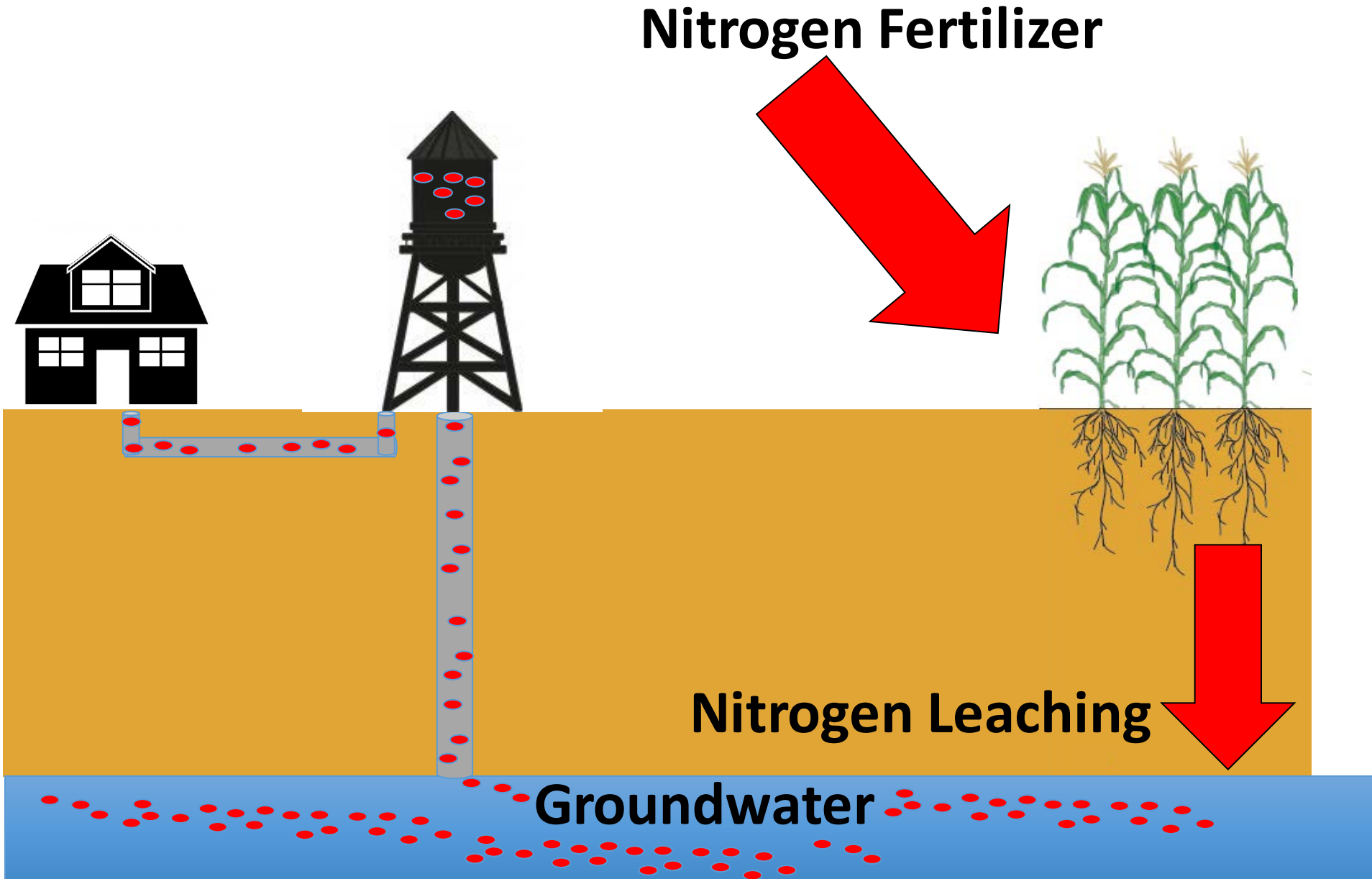
State collaborations for source water protection



Kernza?

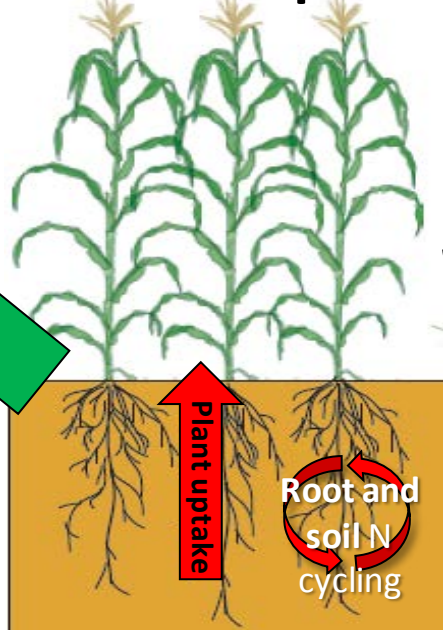


Nitrogen Fertilizer in Groundwater

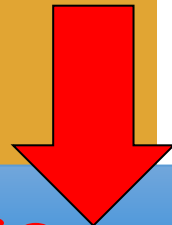
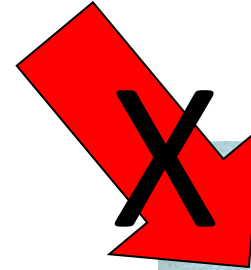
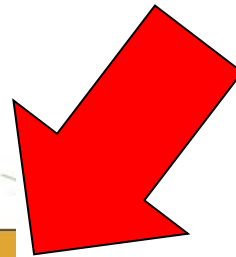


Annual row crops

Commodities:
grain, potatoes,
others products



Nitrogen fertilizer



Nitrogen Leaching

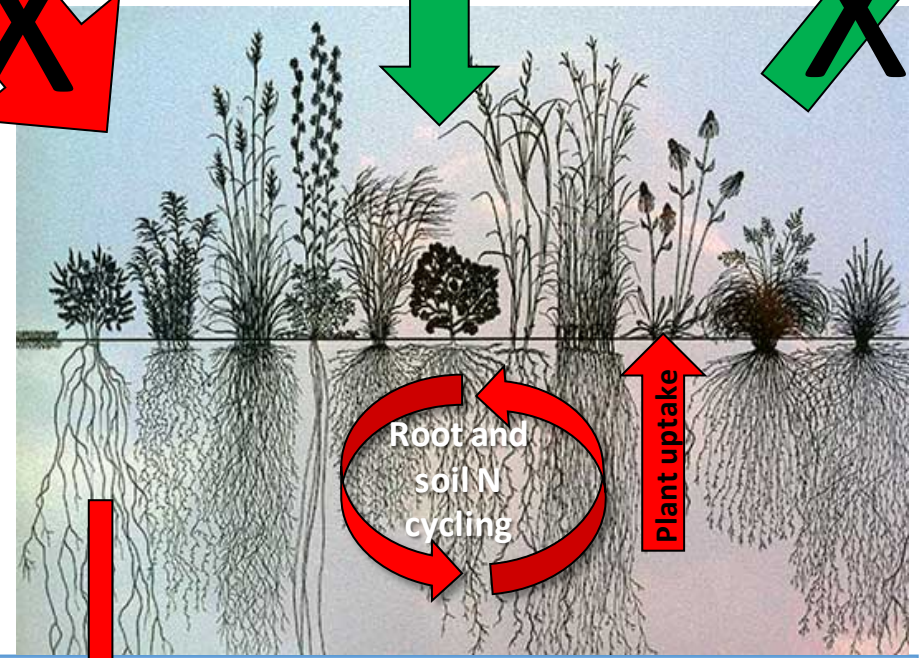
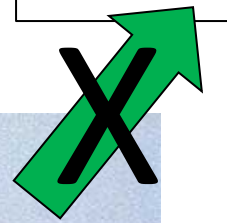
Groundwater

Conservation Reserve Program / Easements

Government
Payments

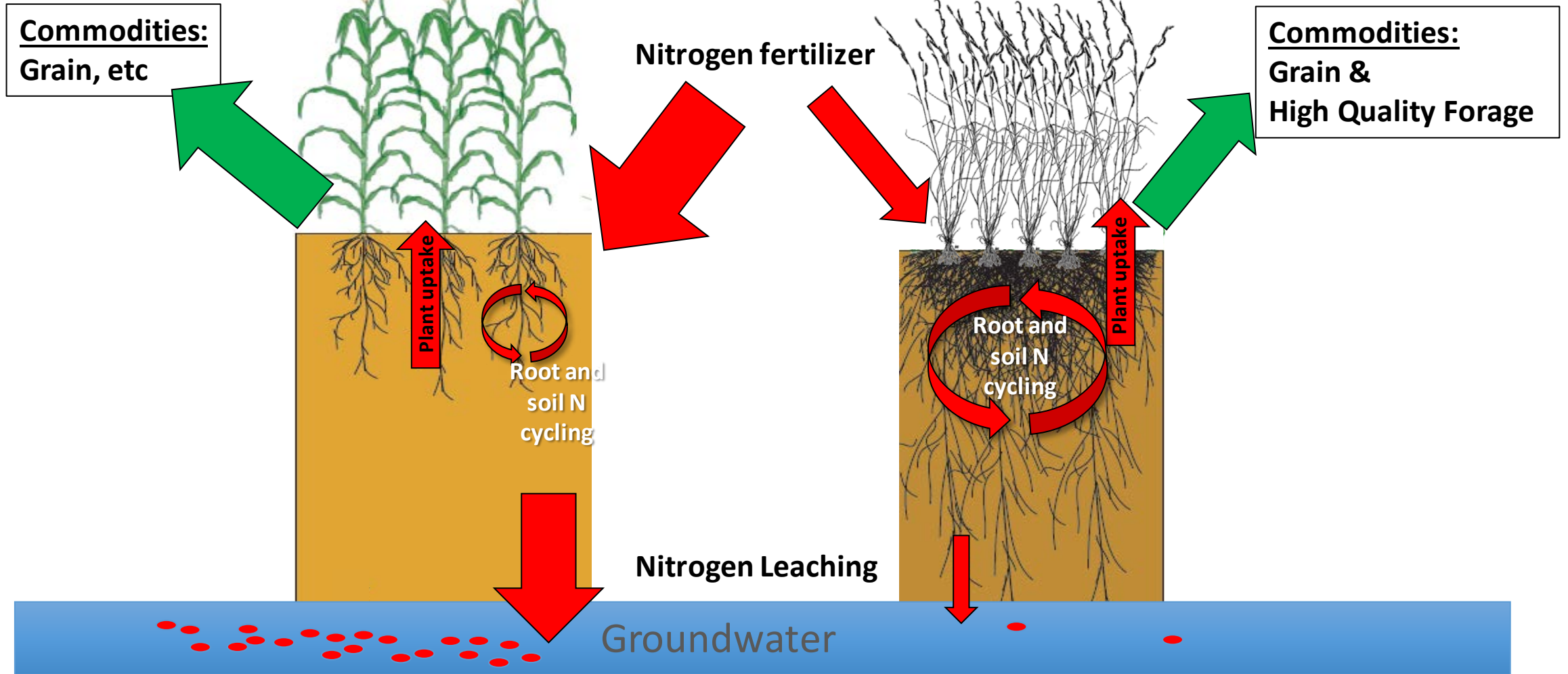


Commodities:

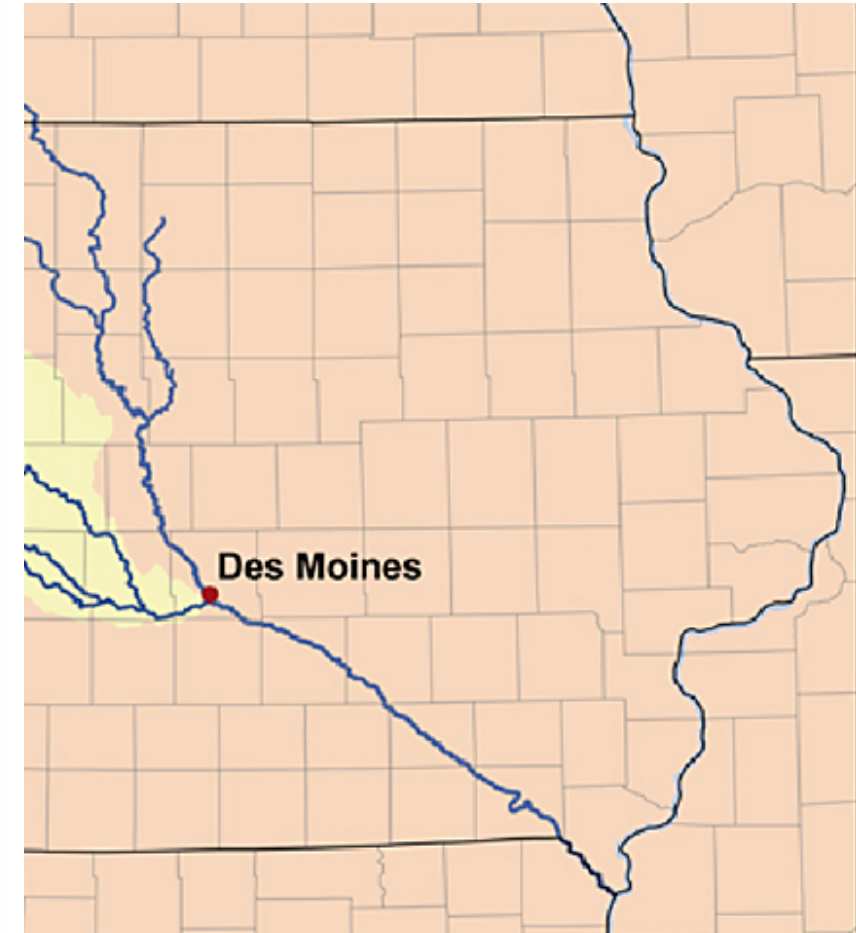
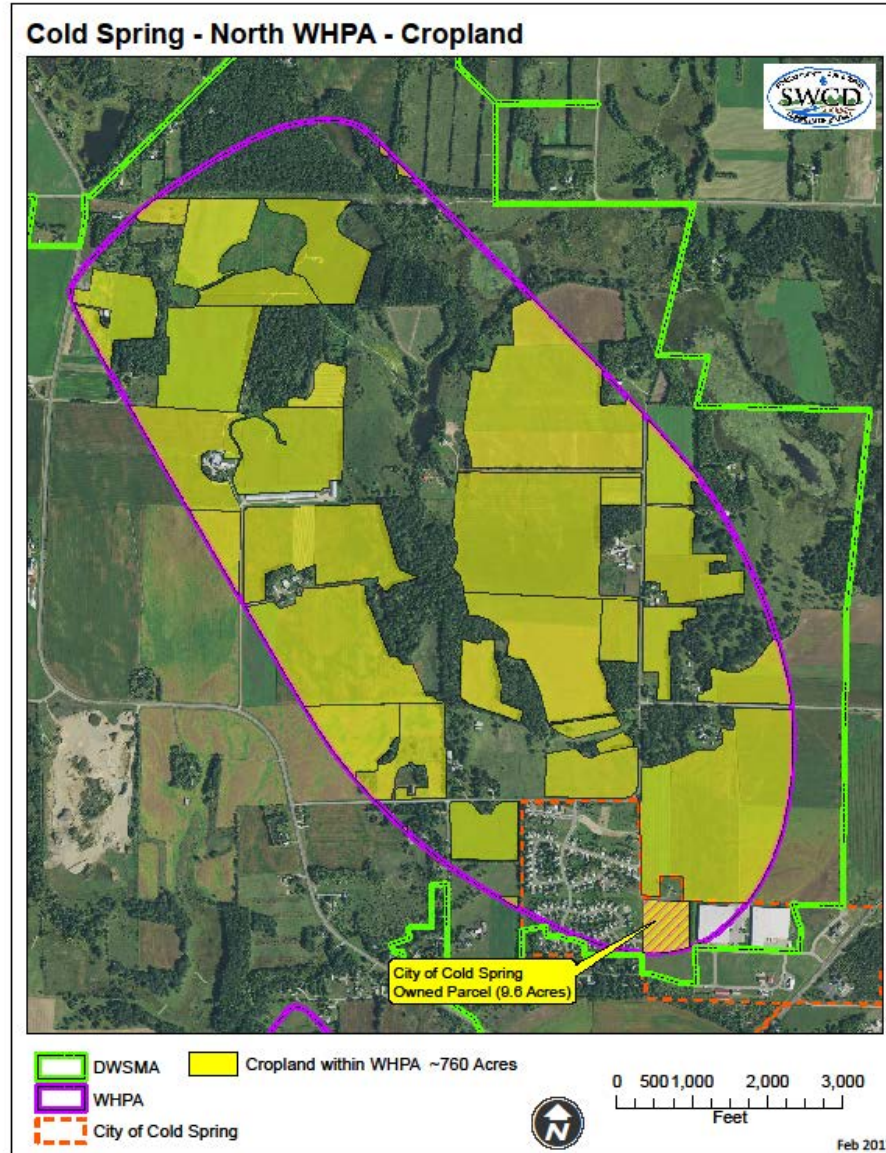
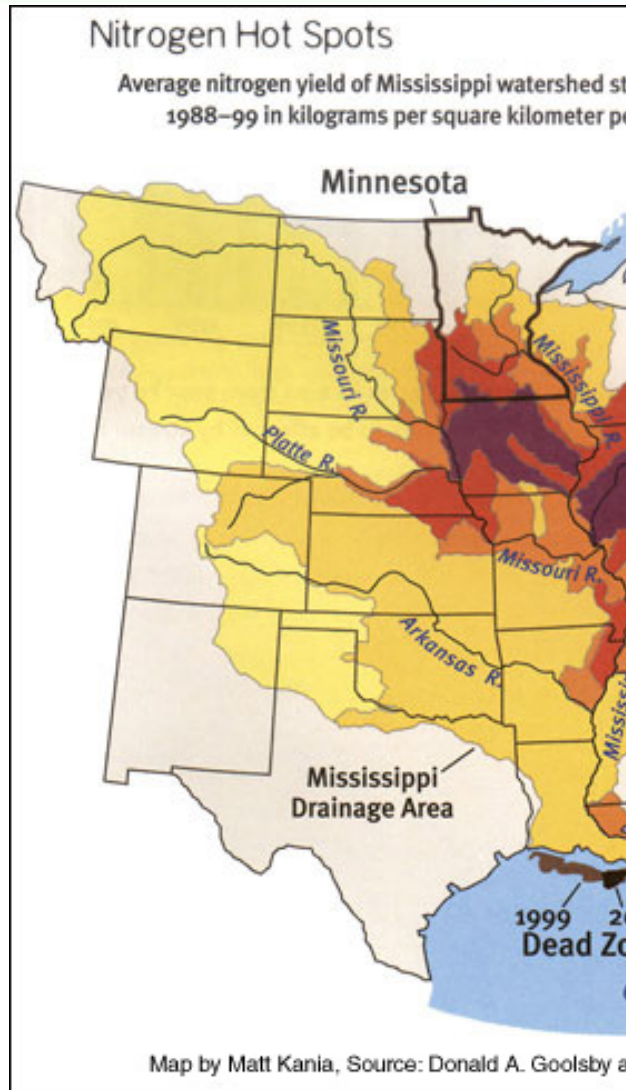


Annual row crops

Perennial IWG / Kernza



Agriculture – Water Quality Narrative



How do we get there?



Market and policy drivers for

- Reduce risk for Kernza farmers
- Who will buy the grain?
- Identify local markets for IWG forage



Green Lands Blue Waters



Next GLBW Conference
November 28-29, 2017



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