#### Prairies & Pints February 17, 2020 Western Iowa's Prairies

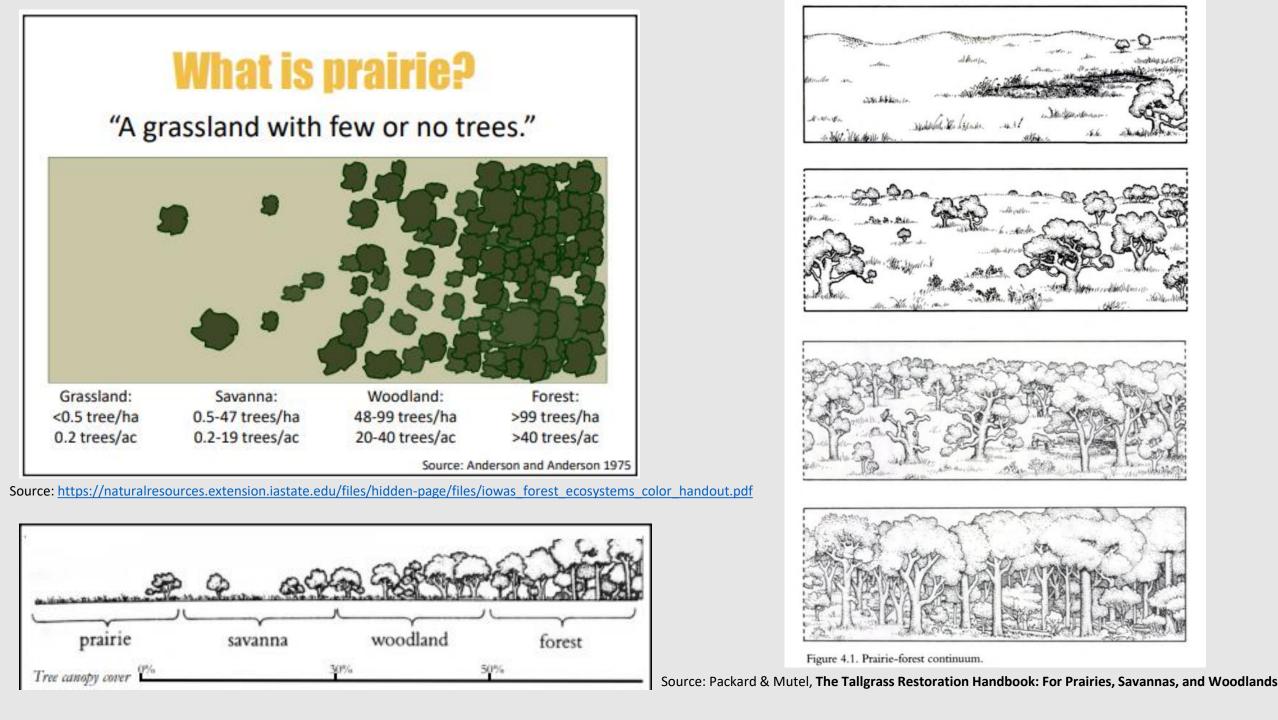
Lance Brisbois Golden Hills RC&D lance@goldenhillsrcd.org 712-482-3029

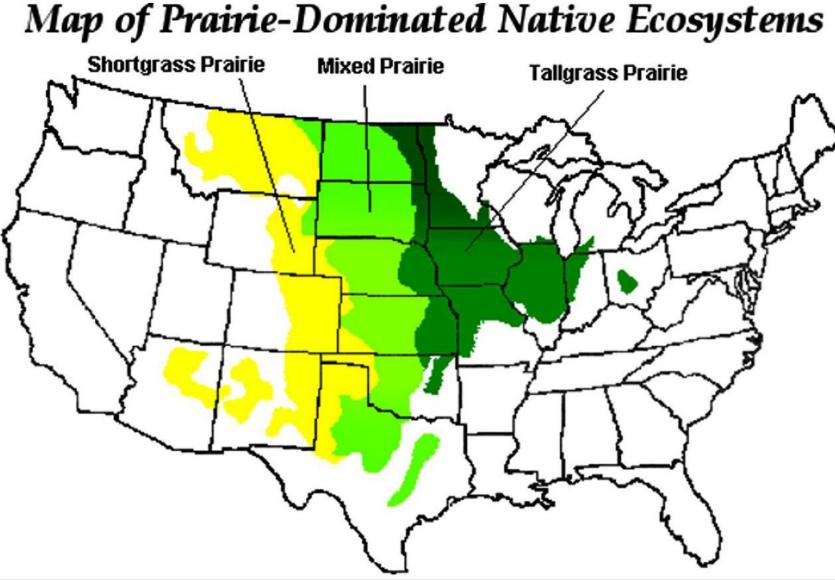
RURAL CREATIVE PLACEMAKING ART WELLNESS INITIATIVES FRONTIER IOWA TRAILS NETWORK TRALS LOESS HILLS MISSOURI RIVER REGION PARKS TO PEOPLE SOUTHWEST IOWA ART TOUR STORYTELLING BICYCLE SAFETY LOCAL FOODS PRAIRIE RESTORATION WEST NISH WATER TRAIL HUNGRY CANYONS ALLIANCE SCENIC BYWAYS WATER QUALITY NATIVE OAK RESTORATION Agarts CAMPS GRANT WRITING GOLDEN DOES HILLS THAT! IMPROVING RURAL SOUTHWEST IOWA

# Golden Hills Resource Conservation & Development

• **Mission:** To develop and promote sustainable cultural and conservation projects that enhance quality of life and preserve the assets of rural western Iowa.



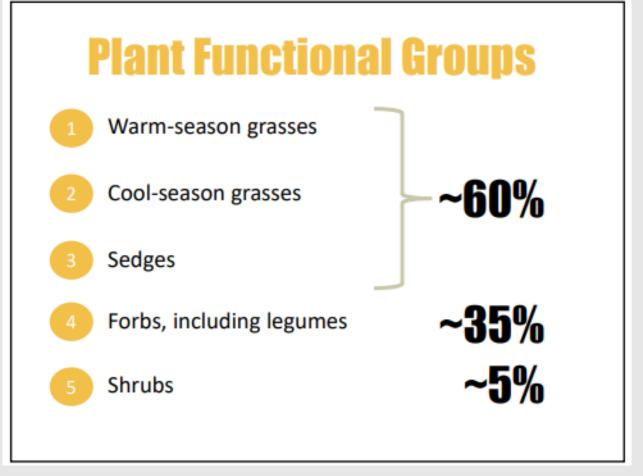




Source: https://wildwillpower.org/amazing-resources-for-homesteaders/native-animals-who-need-recovery/prairie-restoration

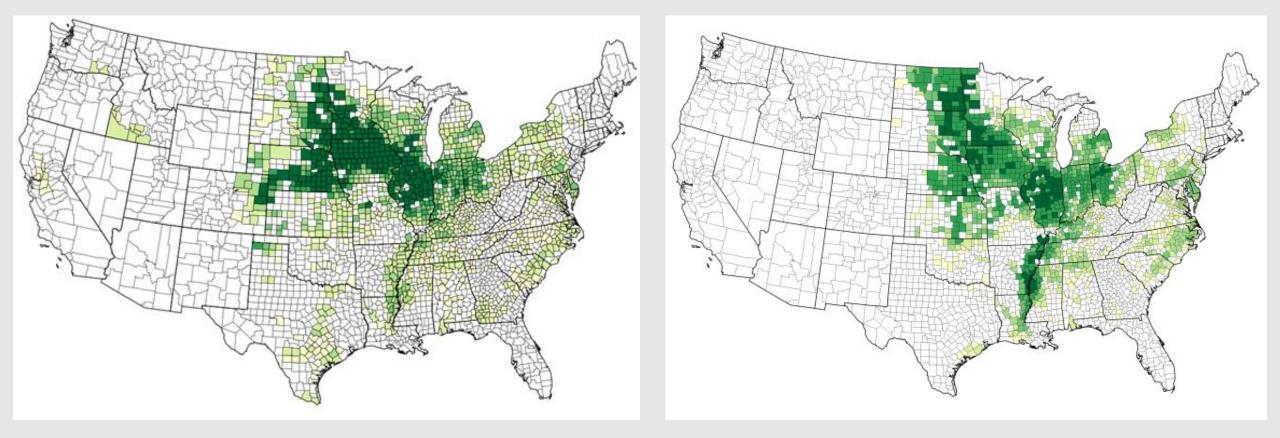
## Many grasses & forbs...

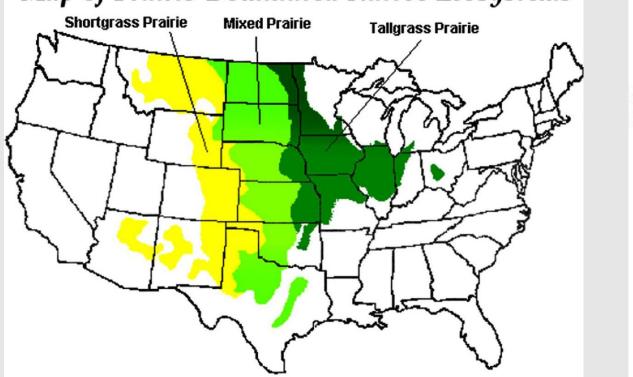
- >300 prairie plant species
- hundreds more species of fungi, insects, birds, mammals, reptiles, etc...



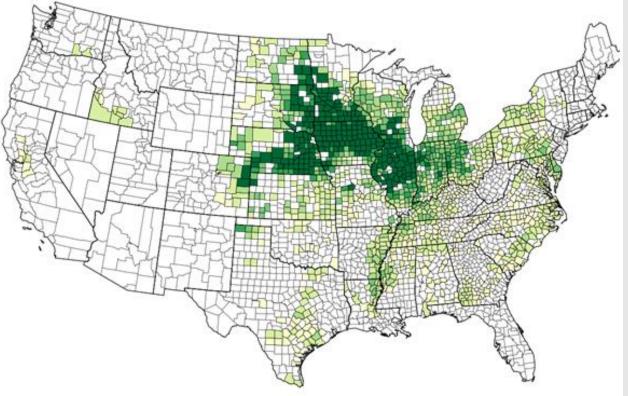
Source: https://naturalresources.extension.iastate.edu/files/hidden-page/files/iowas\_forest\_ecosystems\_color\_handout.pdf

#### ...replaced by one tall grass (and a legume)





#### Map of Prairie-Dominated Native Ecosystems



Source: <u>https://wildwillpower.org/amazing-resources-for-</u> homesteaders/native-animals-who-need-recovery/prairie-restoration

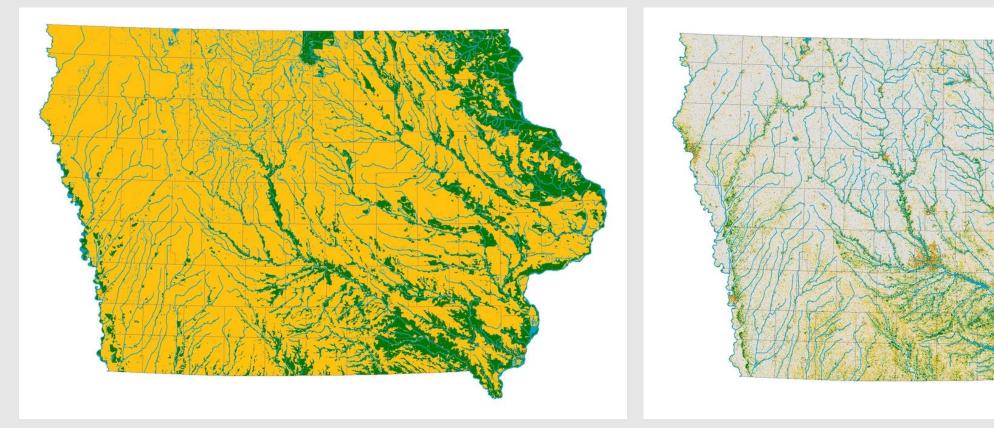
# Grazing & fire



Photo source: https://blog.nature.org/science/2014/02/03/bison-good-cattle-bad-a-prairie-ecologists-perspective/bison-at-the-nature-conservancys-broken-kettle-grasslands-iowa-loess-hills/

#### 1830s-1850s (original land survey)

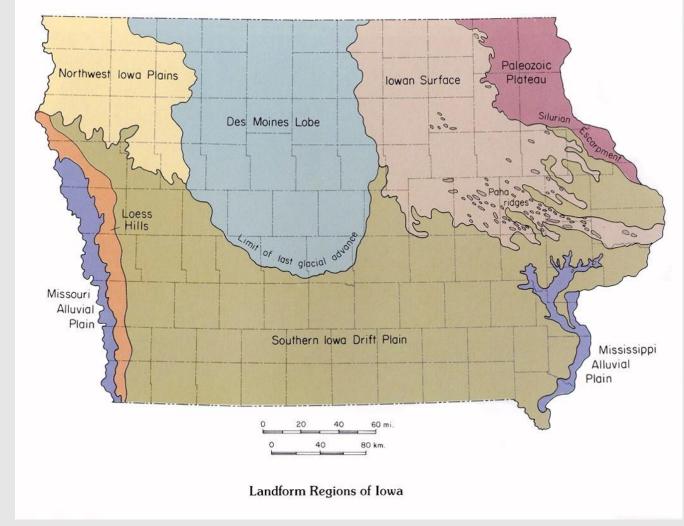
2009 Land Cover



Source: https://www.inhf.org/blog/blog/remnant-prairie-a-closer-look-at-iowas-rarest-landscape/

## Types of prairie

- Remnant, restoration, reconstruction
  - <0.1% of Iowa's prairie remains; >50% of that is in Loess Hills
- Landform/ecotype:
  - Wet, mesic, dry
  - Loess Hills, Missouri Alluvial Plain, Southern Iowa Drift Plain



#### Iowa's Loess Hills

- Iowa Scenic Byway 1998
- National Scenic Byway designation 2000
- 220+ mile spine & loops

## VISITLOESSHILLS.ORG



#### Special Landscape Areas

- 12 Special Landscape Areas (SLAs)
- "represent clusters of exemplary biological and geological features and capture approximately 80% of the remnant prairie in the hills"
- >30% of SLA acres are in some form of permanent protection
- 5% of landform permanently protected
- >6,000 ac. private land easements in LH



Figure 3. Special Landscape Areas





# Loess Hills Prairies Plymouth County

- <u>Broken Kettle Grasslands</u> (largest remnant)
- Five Ridge Prairie Preserve
- Heendah Hills State Preserve
- Mount Talbot Preserve



## Loess Hills Prairies Woodbury County

- <u>Stone State Park</u>/Mt. Talbot State Preserve
- Sioux City Prairie









# Loess Hills Prairies Monona County

• Loess Hills Wildlife Area



## Loess Hills Prairies Monona County

<u>Turin Wildlife</u>
<u>Management Area</u>





## Loess Hills Prairies Monona County

- Loess Hills State Forest
- Preparation Canyon State Park







<u>Murray Hill Scenic Overlook</u>





 <u>Loess Hills State Forest</u> – Little Sioux Unit



• Brent's Trail





• <u>Gleason-Hubel Wildlife Area</u>





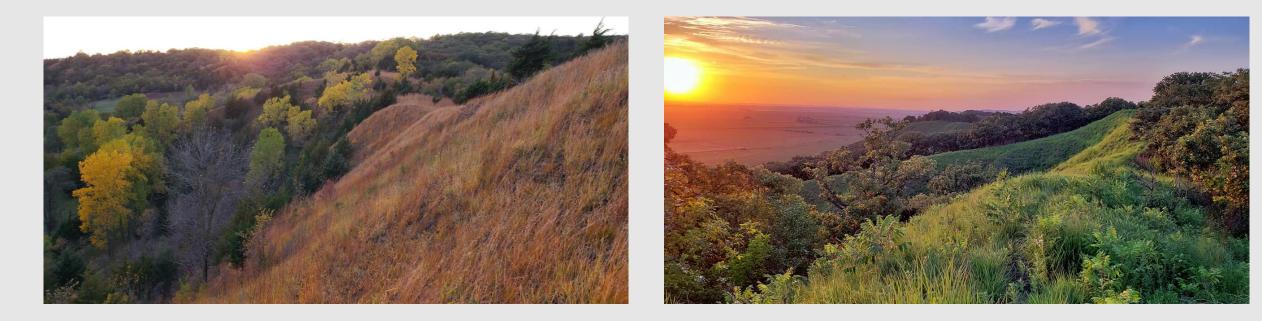
- Loess Hills State Forest Pisgah Unit
- <u>Willow Lake Recreation Area</u>







• Loess Hills State Forest – Mondamin Unit





Old Town Conservation Area



## Loess Hills Prairies Pottawattamie County

• <u>Hitchcock Nature Center</u>





## Loess Hills Prairies Pottawattamie County

• Vincent Bluff State Preserve





# Loess Hills Prairies Mills County

- Folsom Point Preserve
- West Oak Forest









## Loess Hills Prairies Fremont County

Possum Hollow WMA







# Loess Hills Prairies Fremont County

- <u>Waubonsie State Park</u>
- <u>Slusher WMA</u>



#### Other western Iowa prairies

• Dinesen Prairie State Preserve









# Other western lowa prairies

- Wearin Prairie (PRIVATE PROPERTY!)
- Nishnabotna floodplain remnant



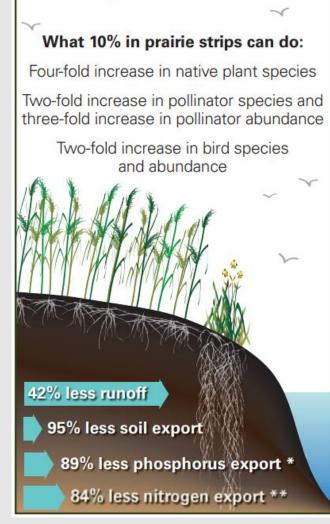
#### Water Quality Initiative

- Raingardens & bioretention cells in Nishnabotna watershed
- Native grasses & forbs



### Prairie Strips

• Eligible CRP practice



Source: https://store.extension.iastate.edu/Product/15221





#### **Upcoming Golden Hills Events**

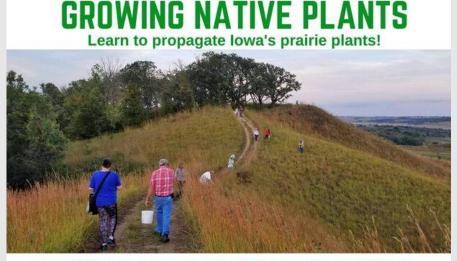


Saturday, March 14, 2020 Learn how to grow oak trees and other native trees from Mike Bevins, one of the premier native tree growers in the Midwest. RSVP required: email lance@goldenhillsrcd.org **Full details at** goldenhillsrcd.org/native-oak-project

Free and open to the public. Project made possible through a Specialty Crop Block Grant through Iowa Department of Agriculture & Land Stewardship.



Golden Hills RC&D and Iowa Western Community College present



Iowa Western Community College - Council BluffsMonday, January 6Monday, January 276:00-8:00pm6:00-8:00pm

Sign up for one or two sessions. Pre-registration required. \$5 per class. Native plant enthusiast and grower Cait Caughey will teach techniques and best practices for starting native prairie plants using locally-harvested seed. Full details and registration available at

#### goldenhillsrcd.org/growingnatives



Project made possible through a grant from Gilchrist Foundation & Specialty Crop Block Grant



#### More IWCC classes & native plant sale!





#### Upcoming IPN Events

#### **Prairies & Pints**



Monday, March 16 7:00-830pm Barley's Bar & Grill 114 W. Broadway, Council Bluffs

Presenter Graham McGaffin with The Nature Conservancy will discuss his trip to China's Loess plateau & how it compare's to Iowa's Loess Hills Event will include short presentation followed by Q&A and socializing. Free and open to the public. Learn more at iowaprairienetwork.org facebook.com/IowaPrairieNetwork







#### Pasque Flower Walk



Saturday, April 4 10:00am-noon Loess Hills State Forest - Pisgah Unit Meet at picnic shelter at 1369 Geneva Place, southwest of Pisgah.

See one of the earliest-blooming flowers at a remnant Loess Hills prairie

Free and open to the public. Learn more at iowaprairienetwork.org facebook.com/IowaPrairieNetwork



#### Events

- Prairie seed harvests
- Native plant classes
- IPN Prairie Walks
- Loess Hills Prairie Seminar May 29-31 near Onawa
- North American Prairie Conference July 20-22 in Altoona
- Iowa Prairie Conference every other year

#### Prairie Resources

- <u>http://www.goldenhillsrcd.org/</u>
- <u>https://www.iowaprairienetwork.org/</u>
  - Find a Prairie
- <u>https://tallgrassprairiecenter.org/</u>
- Visitloesshills.org
  - Loess Hills Hiking Guide

# lestions? Comments? //

#### en Hills RC&D

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