# North Dakota Grassland Plant Identification

NARRATED VERSION

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## Smooth bromegrass Bromus inermis

### Cool-season grass Non-native



Inflorescence (flowering head) easily recognizable



2-4 feet tall

"W" crease in leaves

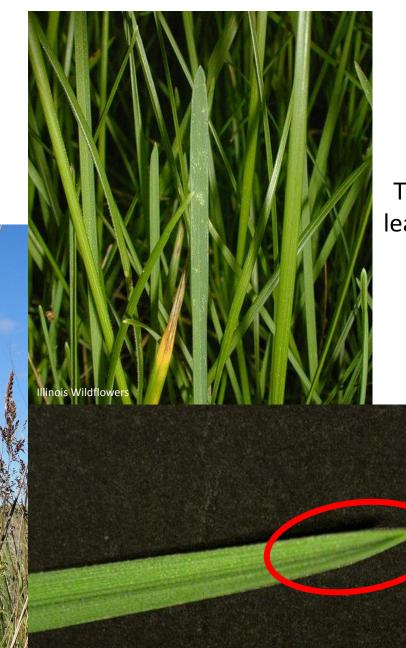
Illinois Wildflowe

Kentucky bluegrass Poa pratensis

Cool-season grass Non-native



1-2 feet tall

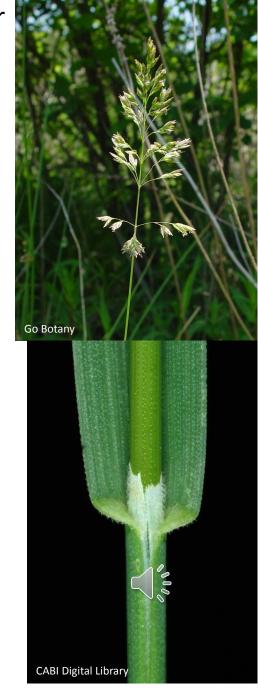


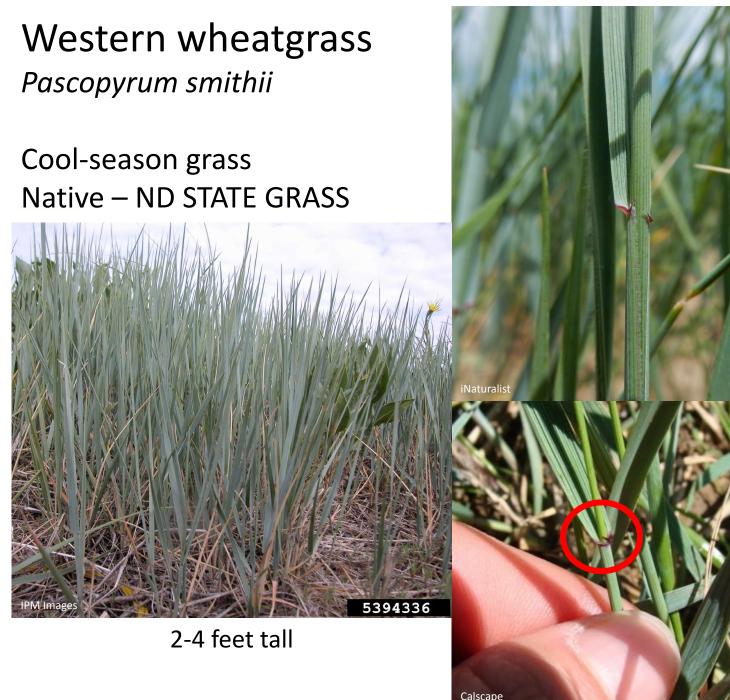
**NC State Extension** 

Inflorescence smaller than smooth bromegrass

Thin leaves

> "Canoe" leaf tips





Leaves with bluish waxy coating

Leaves rough to touch

Obvious reddish auricles and collar



single spike

# Quackgrass Elymus repens

Cool-season grass Non-native



2-4 feet tall



Leaves lack bluish color of western wheatgrass



Inflorescence a single spike

Green auricles clasp stem

# Big bluestem Andropogon gerardii

### Warm-season grass Native



4-7 feet tall





Leaf bases and sheaths fringed with white hairs



Inflorescence like a turkey foot

# Little bluestem Schizachyrium scoparium

Warm-season grass Native

2-3 feet tall

2003 © Peter M. Dzi



# Indian grass Sorghastrum nutans

### Warm-season grass Native





Sheath can be variously hairy



Inflorescence more closed than open

4-7 feet tall

UA Division of Agriculture Extension

# Switchgrass Panicum virgatum

Warm-season grass Native





# Ligule densely fringed with hairs



Inflorescence large and open

# Sideoats grama Bouteloua curtipendula

Warm-season grass Native



Leaf edges and sheaths scattered with hairs

single spike with

spikelets on

either side

C KeirlMorse - keirlosity.com

Soil Crop and More

Des Moines Feed & Nature Cente

Ciese Hinois Wildflowers

## Blue grama Bouteloua gracilis

Warm-season grass Native



Inflorescence like eyelashes



1/2-2 feet tall

Collars variously hairy

Leaves thinner than

sideoats grama

# Black-eyed Susan Rudbeckia hirta

Forb Native

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#### Leaves alternate

Yellow petals and dark center

Leaves and stems rough with stiff hairs





1-3 feet tall

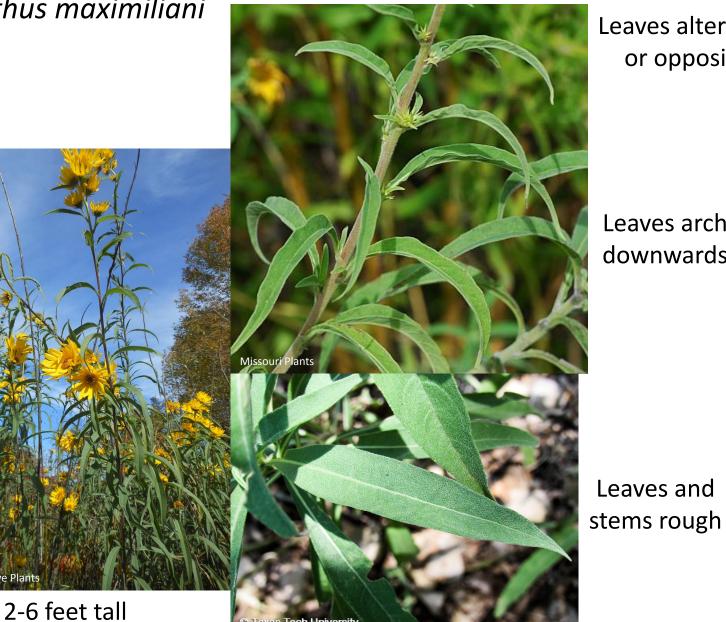
Go Botany

# Maximilian sunflower

Helianthus maximiliani

Forb Native

Arbres Native Plar



ech Universit

Leaves alternate or opposite

Leaves arch downwards

Leaves and



Yellow petals and brown/yellow center



# Upright prairie coneflower

Missouri Plants

Ratibida columnifera

Forb Native Leaves alternate and deeply divided





Droopy yellow petals and long head



Stems slightly rough and may feel angled

1-3 feet tall

## Common yarrow Achillea millefolium

Forb Native



1-2 feet tall

#### Leaves alternate





Little white flowers

Leaves and stems finely textured and soft



# Canada thistle

Cirsium arvense

Forb Non-native NOXIOUS WEED



Leaves alternate

Leaves wavy and spiny

Stems

smooth



Purple flowers turn to fluff

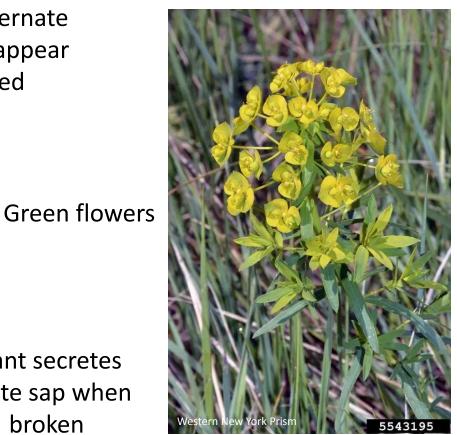


Leafy spurge Euphorbia virgata

Forb Non-native NOXIOUS WEED

North Dakota State University

1-2 feet tall





Plant secretes

white sap when

whorled



efferson County, Colorado

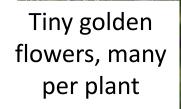
## Absinth wormwood Artemisia absinthium

Forb Non-native NOXIOUS WEED



Leaves deeply

divided





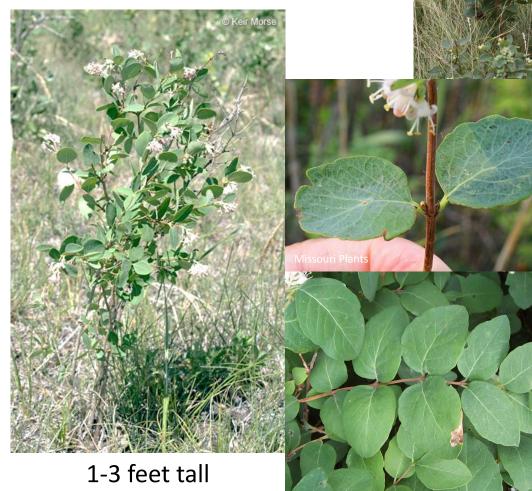
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Sage color and smell

2-4 feet tall

# Western snowberry Symphoricarpos occidentalis

Shrub Native





Leaves opposite and somewhat leathery

Berries gooey when squished

Often grows

in thick

patches

Pink and





# Prairie rose Rosa arkansana

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Shrub Native – ND STATE FLOWER **5** Pinkish-white petals with yellow centers

Sharp prickles on stem



1-2 feet tall

Illinois Wildflow

Leaves compound with toothed leaflets

Red rose hips

# Purple prairie clover

Illinois Wildflowers

C State Extension

Dalea purpurea

Legume Native Leaves alternate and compound

Tubular purple flowers

Leaves smell sweet when crushed



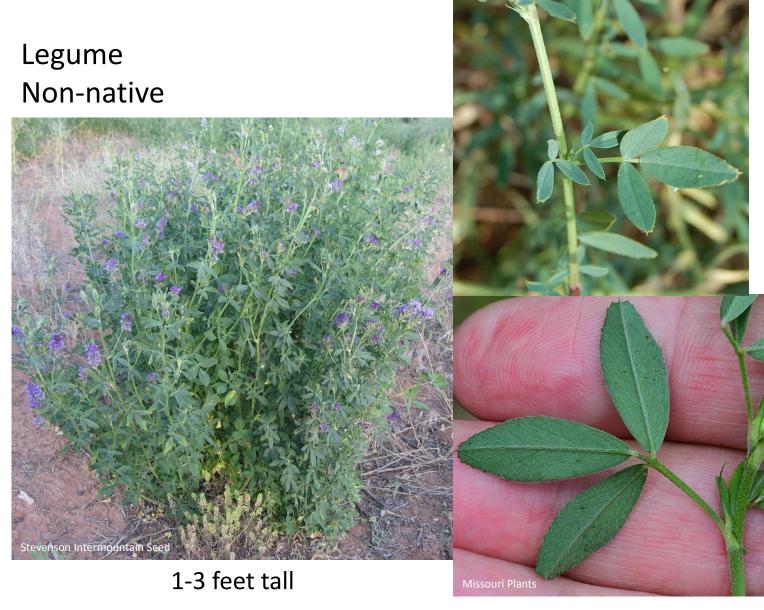
The National Gardening Association



1-3 feet tall

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# Alfalfa *Medicago sativa*



Purple flowers

Leaves alternate and compound in 3s

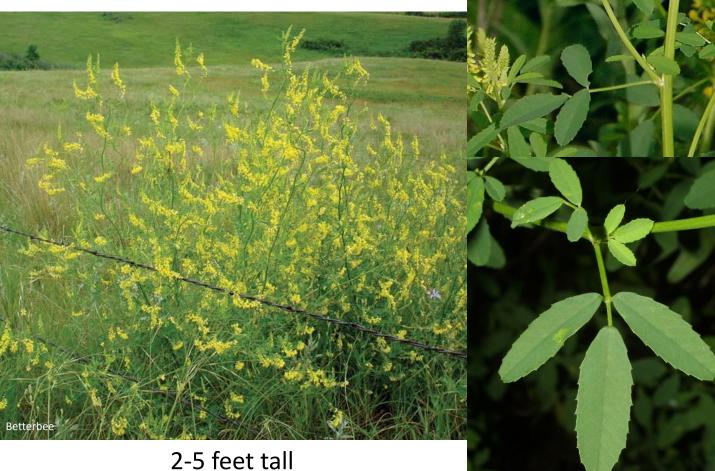
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# Sweetclover

Melilotus spp.

Legume Non-native



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Leaves alternate and compound in 3s

Leaflet edges usually toothed

#### Yellow SC flowers



White SC flowers

# Identification steps

- 1. What's the overall appearance like?
  - Is it tall or short? Is it growing thick or thin? Is it a grass or broad-leaved plant?
- 2. Looking closer, what's the first thing you notice?
  - Color? Prickles? Flowers? etc.
- 3. Leaf and stem characteristics?
  - Grass 

    Ligule? Auricles? Color? Texture?
  - Broad-leaved plant 
    Simple or compound? Alternate/opposite/whorled? Shape? Edges? Texture?
- 4. If an inflorescence or flowers are present, what do they look like?
  - Grass 
    Inflorescence type? Size and shape?
  - Broad-leaved plant 
    Size and shape? Color? Number of petals?

# Additional resources

- Minnesota Wildflowers is great for identification of most plants, you can use "advanced search" to narrow your search down
  - <u>https://minnesotawildflowers.info/</u>
- Seek by iNaturalist (app) identifies plants using your phone's camera, but it only works for plants with showy flowers present

- Use quiz version to test your identification knowledge
- Lastly, have fun!

