

Deferred

2022



2023

Deferred

- 15 head for a total of 6 days
- June 28 - July 6 & Aug 27 - 30
- Mix of beef cow/calf pairs, dairy heifers, and dry milk cows



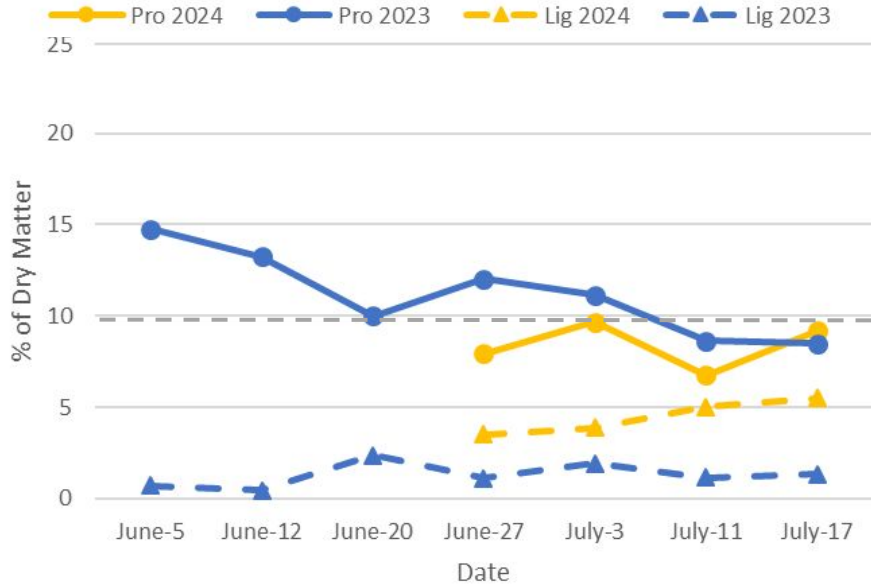
2024

Deferred

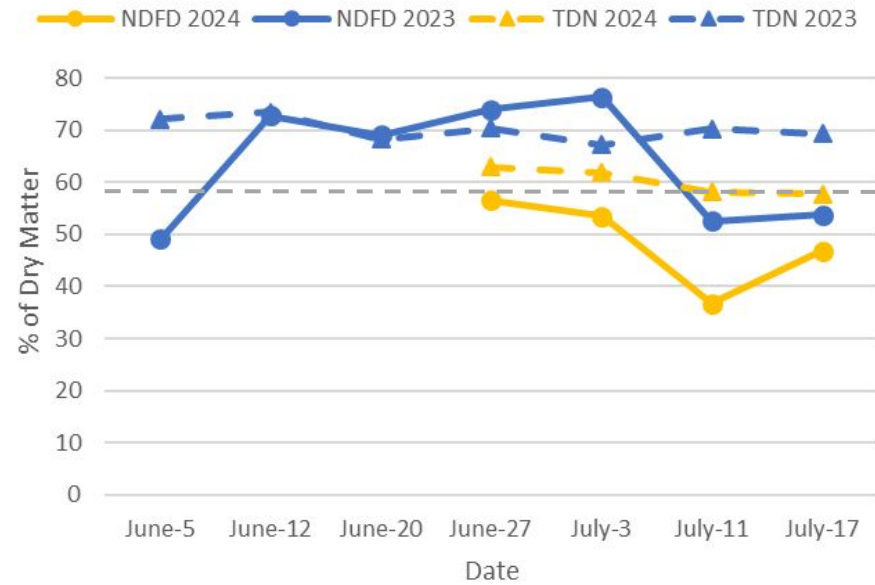
- 65 head for a total of 6 days
- June 25 - June 29 & Aug 22 - 28
- Dairy cows (June) and then dry cows and beef (August)

Prairie Pasture: Forage Quality of WSG

Crude Protein and Lignin of Mixed WSG



NDFD 30 and TDN1x of Mixed WSG



Prairie Composition

Of 40 surveyed plants...

Only a select subset of those are likely to be encountered when walking through a paddock.

- 15 native
- 11 introduced

Grasses are dominant with scattered flowers.

Native

Common	Species Name	Frequency
Big Bluestem	<i>Andropogon gerardii</i>	85.42%
Switchgrass	<i>Panicum virgatum</i>	51.04%
Western Wheatgrass	<i>Pascopyrum smithii</i>	43.75%
Yellow Coneflower	<i>Ratibida pinnata</i>	33.33%
Slender Wheatgrass	<i>Elymus trachycaulus</i>	32.29%
Early Sunflower	<i>Heliopsis helianthoides</i>	18.75%
Virginia Wild Rye	<i>Elymus virginicus</i>	17.71%
Purple Coneflower	<i>Echinacea purpurea</i>	14.58%
Little Bluestem	<i>Schizachyrium scoparium</i>	13.54%
Wild Bergamot	<i>Monarda fistulosa</i>	10.42%
Yarrow	<i>Achillea millefolium</i>	9.38%
Common Milkweed	<i>Asclepias syriaca</i>	6.25%
Side-oats Grama	<i>Bouteloua curtipendula</i>	6.25%
Maximilian's Sunflower	<i>Helianthus maximiliani</i>	5.21%
Canada goldenrod	<i>Solidago canadensis</i>	5.21%

Introduced

Common	Species Name	Frequency
Canada thistle	<i>Cirsium arvense</i>	34.38%
Alfalfa	<i>Medicago sativa</i>	32.29%
Dandelion	<i>Taraxicum officinale</i>	23.96%
Blue grass	<i>Poa spp.</i>	19.79%
Queen Anne's Lace	<i>Daucus carota</i>	19.79%
Timothy	<i>Phleum pratense</i>	14.58%
Field Brome	<i>Bromus arvensis</i>	13.54%
Smooth Brome	<i>Bromus inermis</i>	9.38%
Red clover	<i>Trifolium pratense</i>	7.29%
White clover	<i>Trifolium repens</i>	6.25%
Reed Canary Grass	<i>Phalaris arundinacea</i>	5.21%

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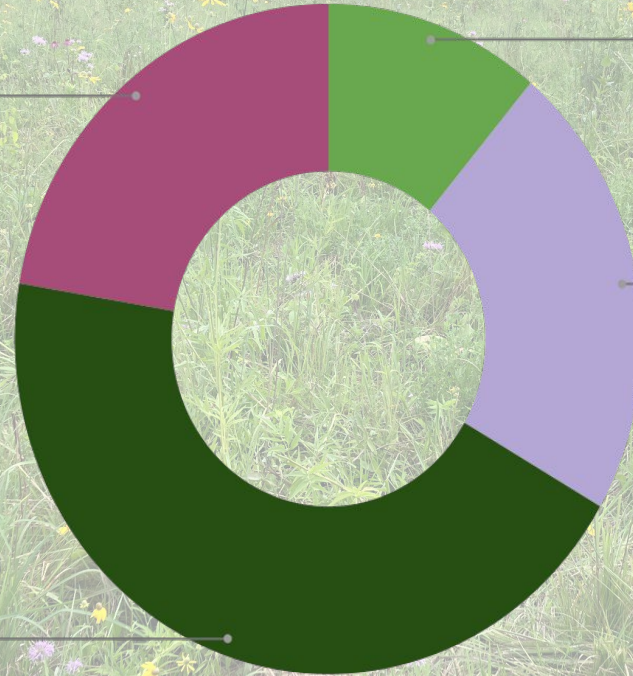
Prairie Plant Abundance

Native Forb
22.3%

Introduced Grass
11.2%

Introduced Forb
22.2%

Native Grass
44.3%



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- Milkweed
- Monarda
- Ox-eye sunflower
- Canada thistle
- Big bluestem
- Switchgrass
- Western wheatgrass

Biomass estimated to be
80% native grass.

Blooms and Grazing

Total # of Native Plants Observed in Bloom

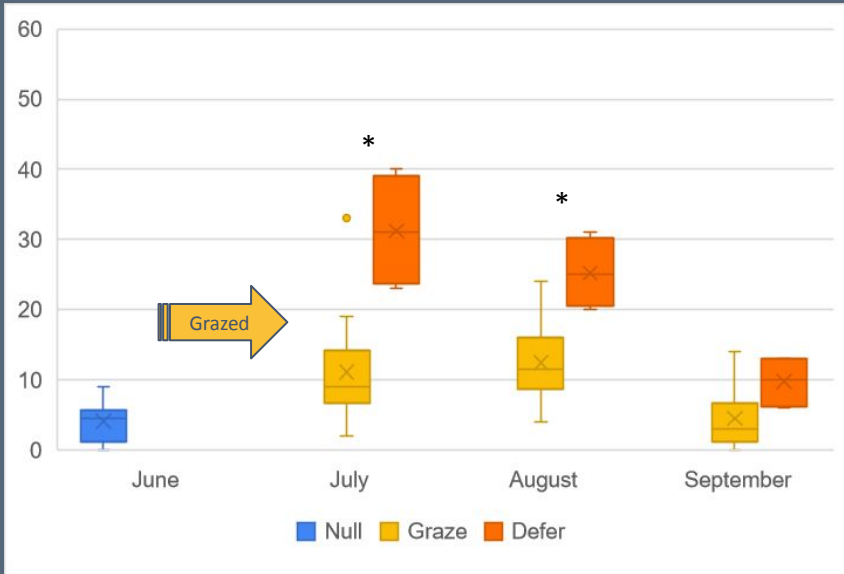


Figure and Photos: Xerces/Micah Kloppenburg

Blooms and Grazing

Frequency of Native Plants in Bloom

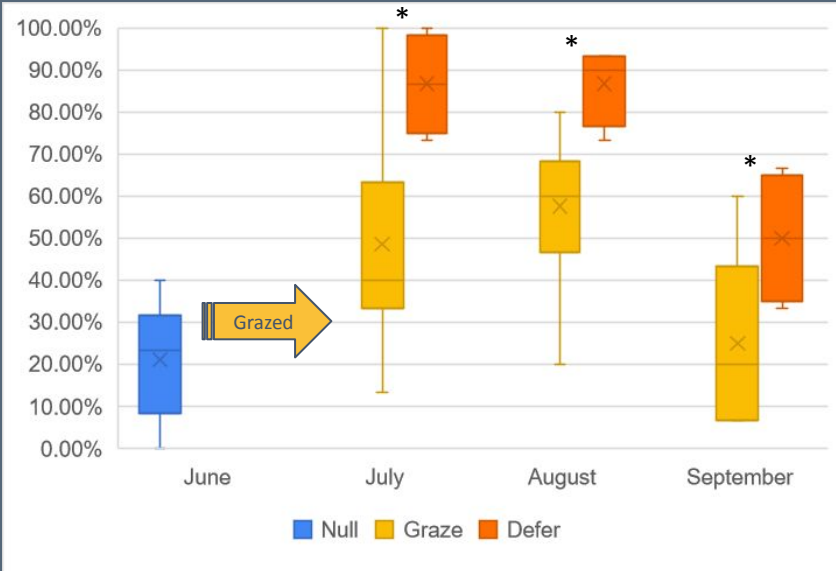


Figure and Photos: Xerces/Micah Kloppenburg

Blooms and Grazing

Unique Native Species in Bloom

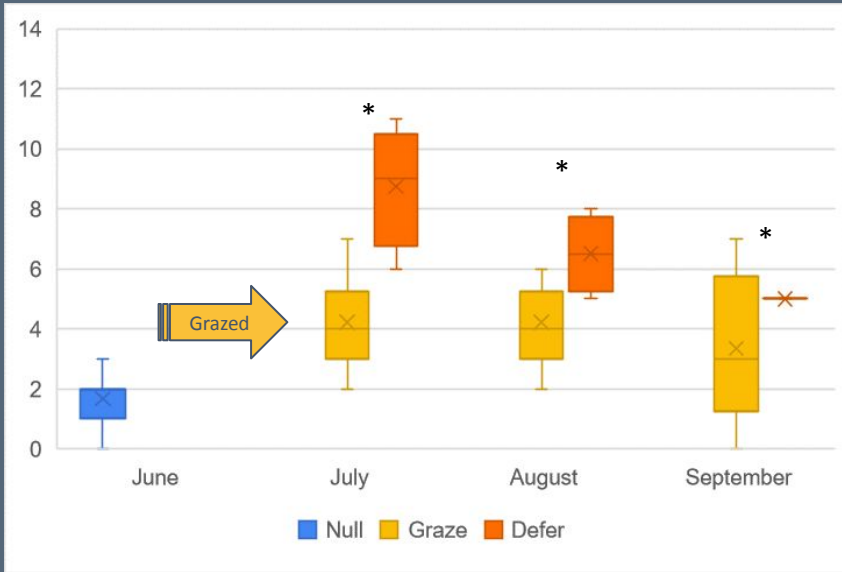
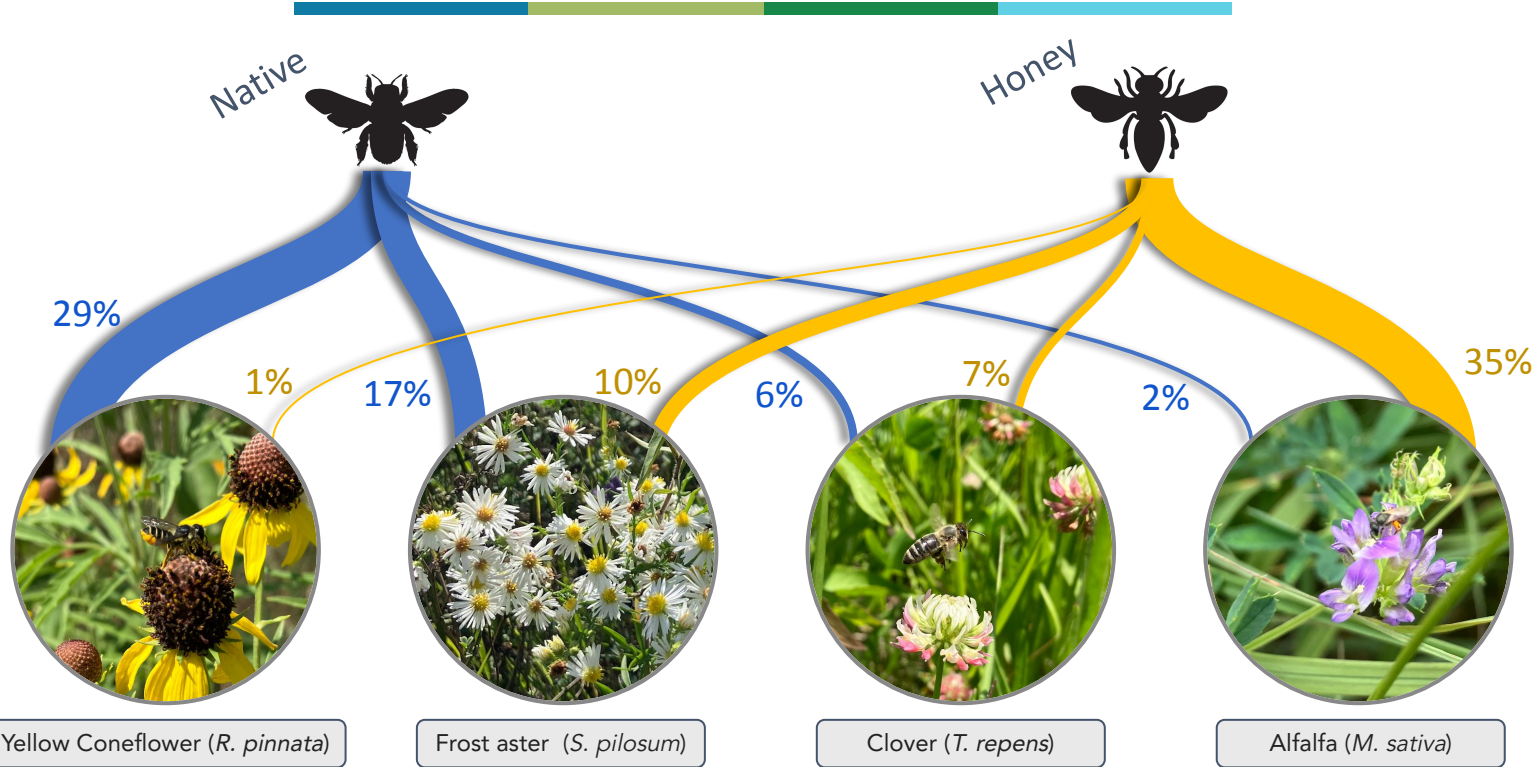


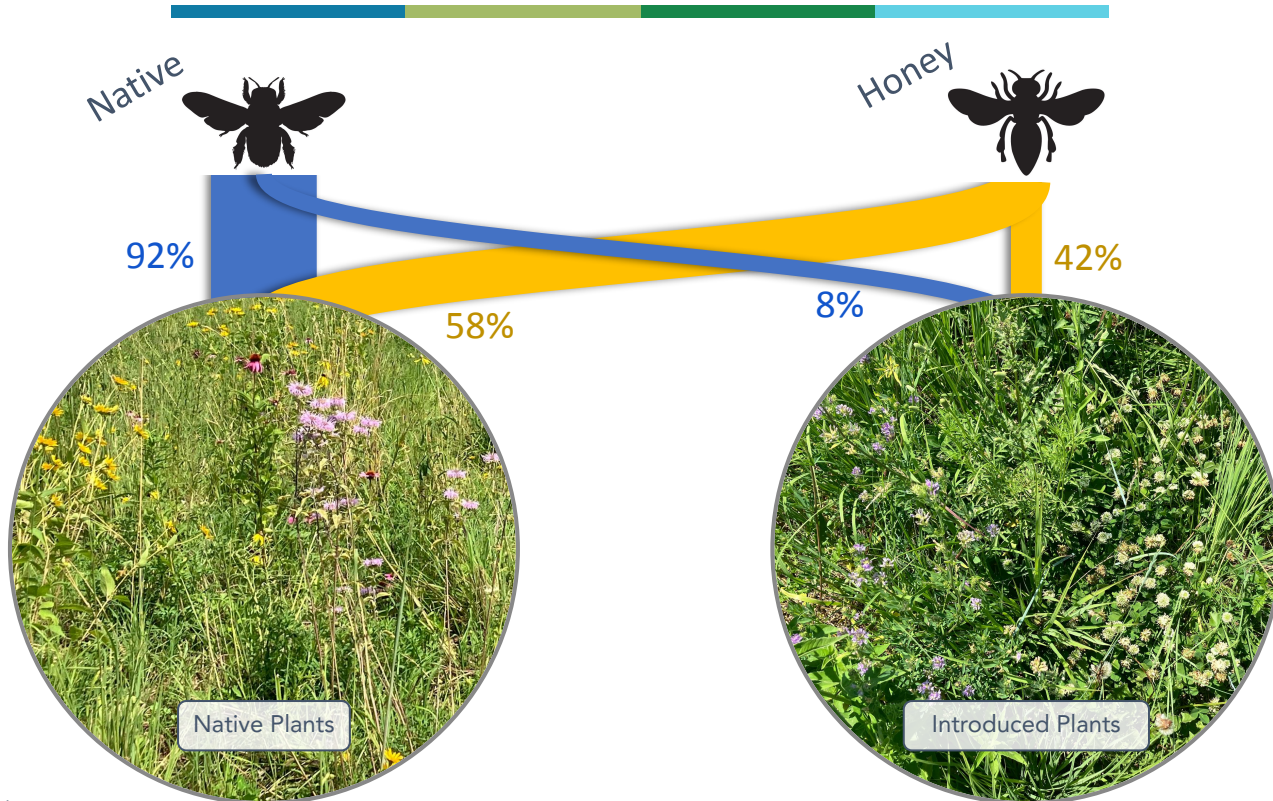
Figure and Photos: Xerces/Micah Kloppenburg

Bees and Bloom Preferences



Graphics: Xerces Society
Photos and data: Xerces/Micah Kloppenburg

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