

Common Weeds In Gardens

By: Jeff Stachler, Griggs County Agent

Spring Fever Garden Forums 3-25-24

EXTENDING KNOWLEDGE >> CHANGING LIVES


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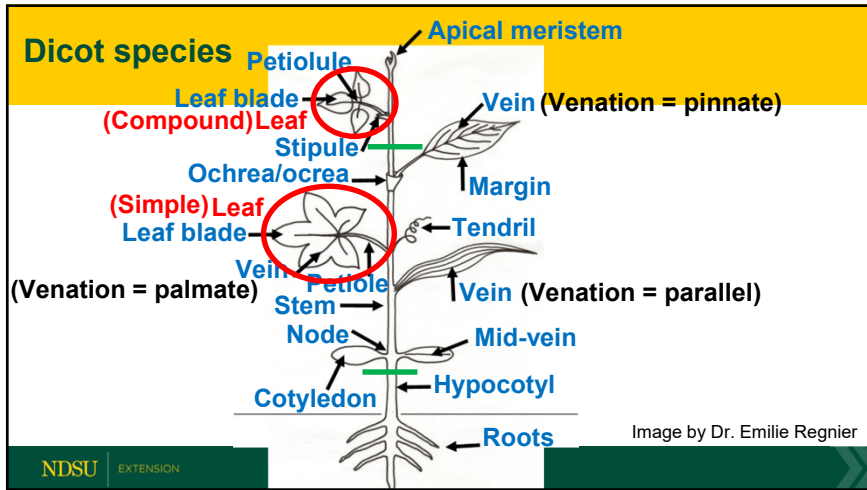
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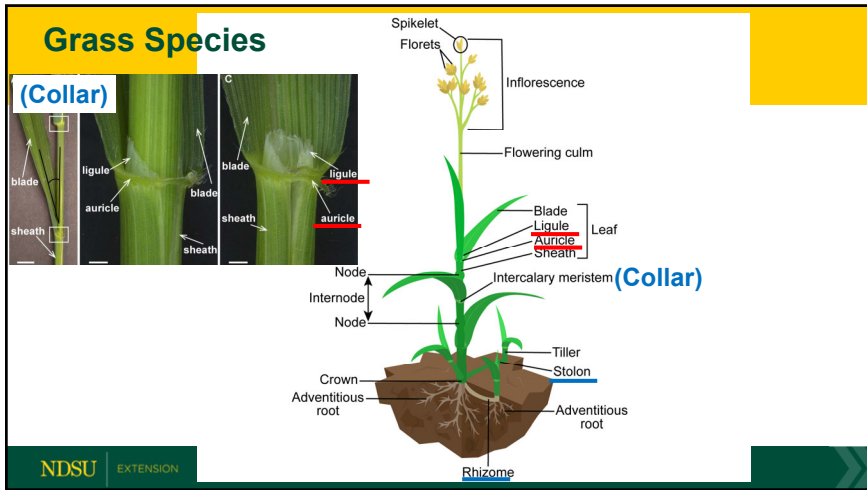


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Leaf arrangement (attachment)

ALTERNATE
most species

OPPOSITE
milkweeds
dogbanes
mint species
chickweed species
several aster species

WHORLED
bedstraw
carpetweed

BASAL ROSETTE
plantain species
all young mustard species
several aster species
carrot family species

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Common purslane

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Prostrate spurge

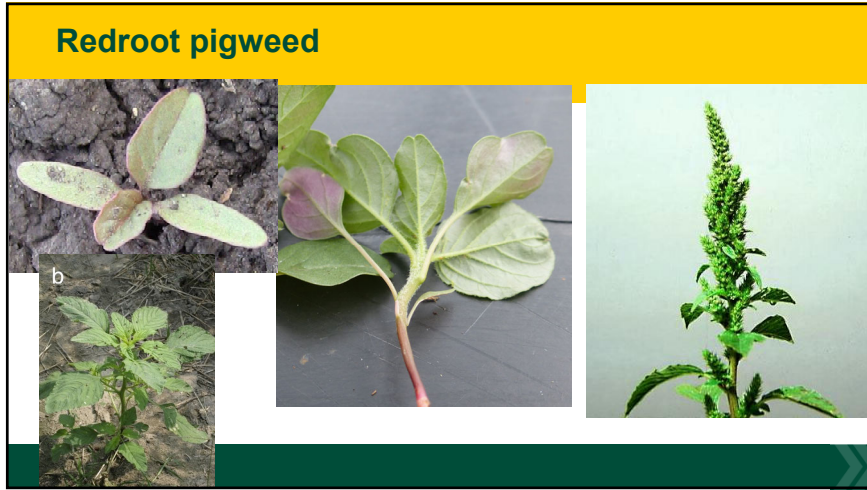
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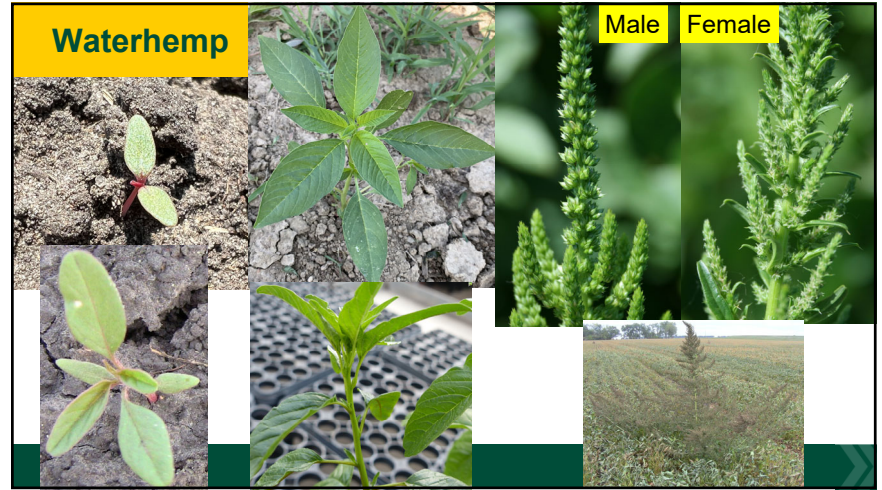
Hairy galinsoga (quickweed)

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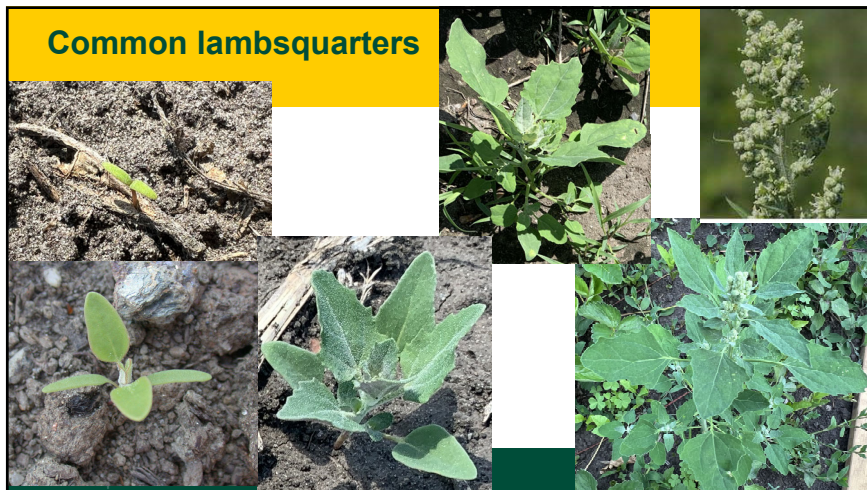
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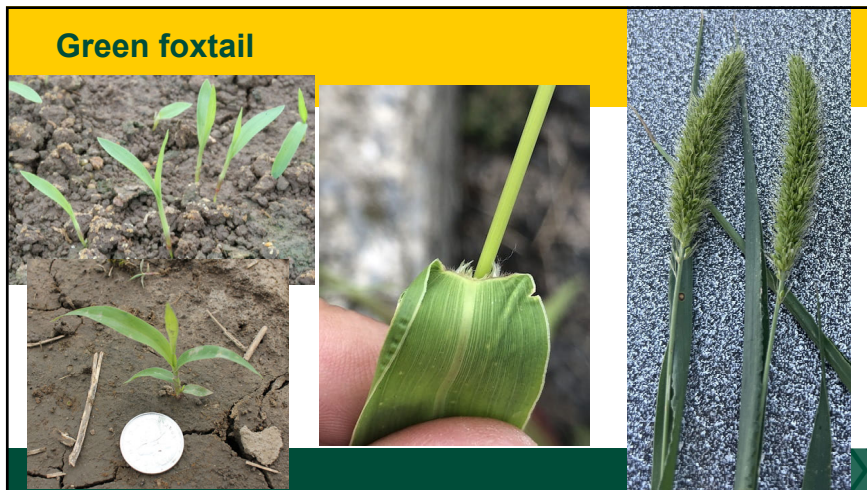
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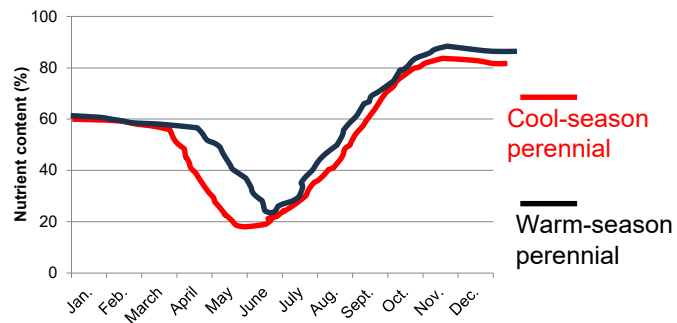


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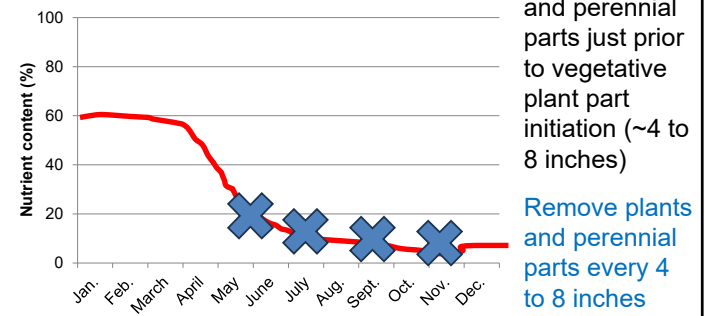
Nutrient flow with unmanaged perennial species



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Nutrient flow with hand-pulled (grubbed) perennial species



Remove plants and perennial parts just prior to vegetative plant part initiation (~4 to 8 inches)

Remove plants and perennial parts every 4 to 8 inches

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When to apply glyphosate to perennial species

- I. Bud to early flower stage
- II. Fall
 - A. Minimum plant height – 4 to 12 inches
 - B. Timing
 - i. Before frost/droppage of leaves for warm-season perennial
 - ii. After frost for cool-season perennial
 - C. Glyphosate rate = 2 to 4% v/v (2.6 to 5.0 fl oz/gallon of total spray).
 - D. Add spray grade ammonium sulfate (17 lbs/100 gallon) spray volume

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When to apply glyphosate to winter annual and biennial species

- I. Fall
 - A. After frost
 - B. Glyphosate rate = 2 to 3% v/v (2.6 to 3.8 fl oz/gallon of total spray).
 - C. Add spray grade ammonium sulfate at 17 lbs/100 gallon of spray

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Summer annual weed management

- I. Hand-pulling best for soil
 - A. Place board on soil to reduce compaction
- II. Tillage
 - A. Prefer garden weasel
 - i. Use as first seedling emerges and every 5-7 days
 - B. Till in the dark since most seeds need light to germinate
 - i. Problem = mosquitoes
 - ii. Need night vision goggles (\$25)
 - iii. Streetlights can be enough light to initiate germination
 - C. Constant tillage destroys soil structure



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Thank You! Any Questions?

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