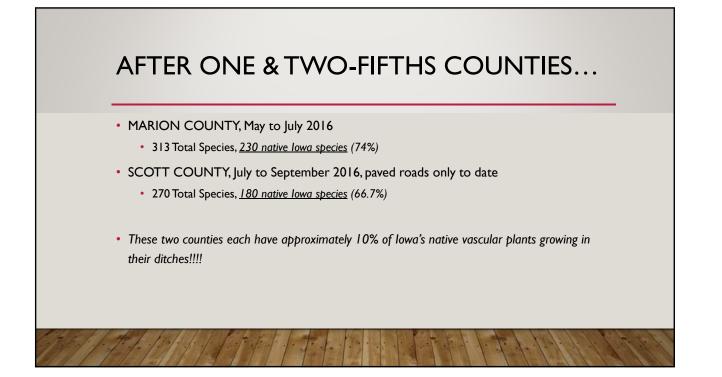
## THE ROADSIDE VEG SURVEY: GUIDING COUNTY PROGRAMS AND SEEING THE BIGGER ECOLOGICAL PICTURE

LELAND SEARLES OWNER & CONSULTANT LEEWARD SOLUTIONS, LLC

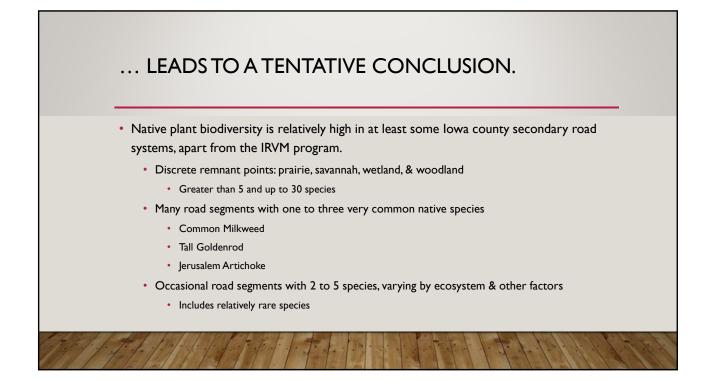






## ... AND GROWING UP IN ANOTHER...

- My home county: Decatur
  - No idea!! Probably high diversity, based on experience from early 1990s and late 1970s
  - T. Rosburg, summarized in presentation, March 2016, for the Raccoon River Watershed Assoc.
    - One to more than five species scattered in pastures, Decatur & Ringgold Counties (Iowa) & northern Harrison





MARION COUNTY

Jewel Drive, B maintenance level

Northwest of Knoxville, looking West from 75th Ave.

Far west end: high-quality mesic to wet prairie remnant, both sides

South side: 18 species North side: 14 species

Total Species: 29 species

Prairie Cordgrass, Dark-Green Bulrush, Crested Sedge, Hoary Vervain, Short's Sedge, Allegheny Blackberry, Jerusalem Artichoke, Round-Headed Bush Clover, Little Bluestem, American Germander, Scribner's Panic Grass, Stiff Goldenrod, Hemp Dogbane, Eastern Star Sedge, Heavy Sedge, Woolgrass, Fowl Manna Grass, Pale Dock, Smooth Solomon's Seal, Smooth Rose, Fox Sedge, Shortbeak Sedge, Giant Goldenrod, Tall Goldenrod, Wild Bergamot, Big Bluestem, Path Rush, Red-Footed Spike Rush, Indiangrass







## THE ISSUE: ROADSIDE MANAGEMENT WITH GOOD PLANT DIVERSITY

- Problem 1: common native plant species that could be sacrificed, but...
  - Example: Orange Milkweed (Butterflyweed), hosting the Iowa Endangered species, Regal Fritillary



LEFT:The endangered Regal Fritillary (Speyeria idaea) on Orange Milkweed (Asclepias tuberosa) in Marion County.

Note the very large silver-white spots on the hind wing.

RIGHT: The more common Great Spangled Fritillary (Speyeria Cybele) for comparison.









