Office Hours with an Agronomist

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Disorders

- Disorders are issues caused by abiotic parameters (i.e. a living organism does not cause it)
- Common ways to discern if it is a disorder
  - Patterns: disorders often follow a pattern
  - Timing: Abiotic symptoms or disorders often show up at the same time
  - Symptoms: Disorders may cause similar symptoms on multiple plant species
Disorders

• Weather
  – Too much/lack of rain
  – Low humidity
  – Cold or heat stress
  – Combination of all of the above

• Tillage/Planters

• Herbicide drift, off-target movement, sprayer skips, overlaps and wrong product

• Fertility Issues
Photos by Angie Rieck-Hinz, ISU
Resources

• IPM 42 Nutrient Deficiencies and Application Injuries in Field Crops
  – https://store.extension.iastate.edu/product/2418.pdf

• Nutrient Deficiency Symptoms (PPT)
  – http://www.agronext.iastate.edu/soilfertility/info/NutrientDeficiencySymptoms_FEEL.pdf

• Albert Lea Seedhouse Newsletter
  – Good for organic production, small grains