

# Cotton Foliar Disease Management

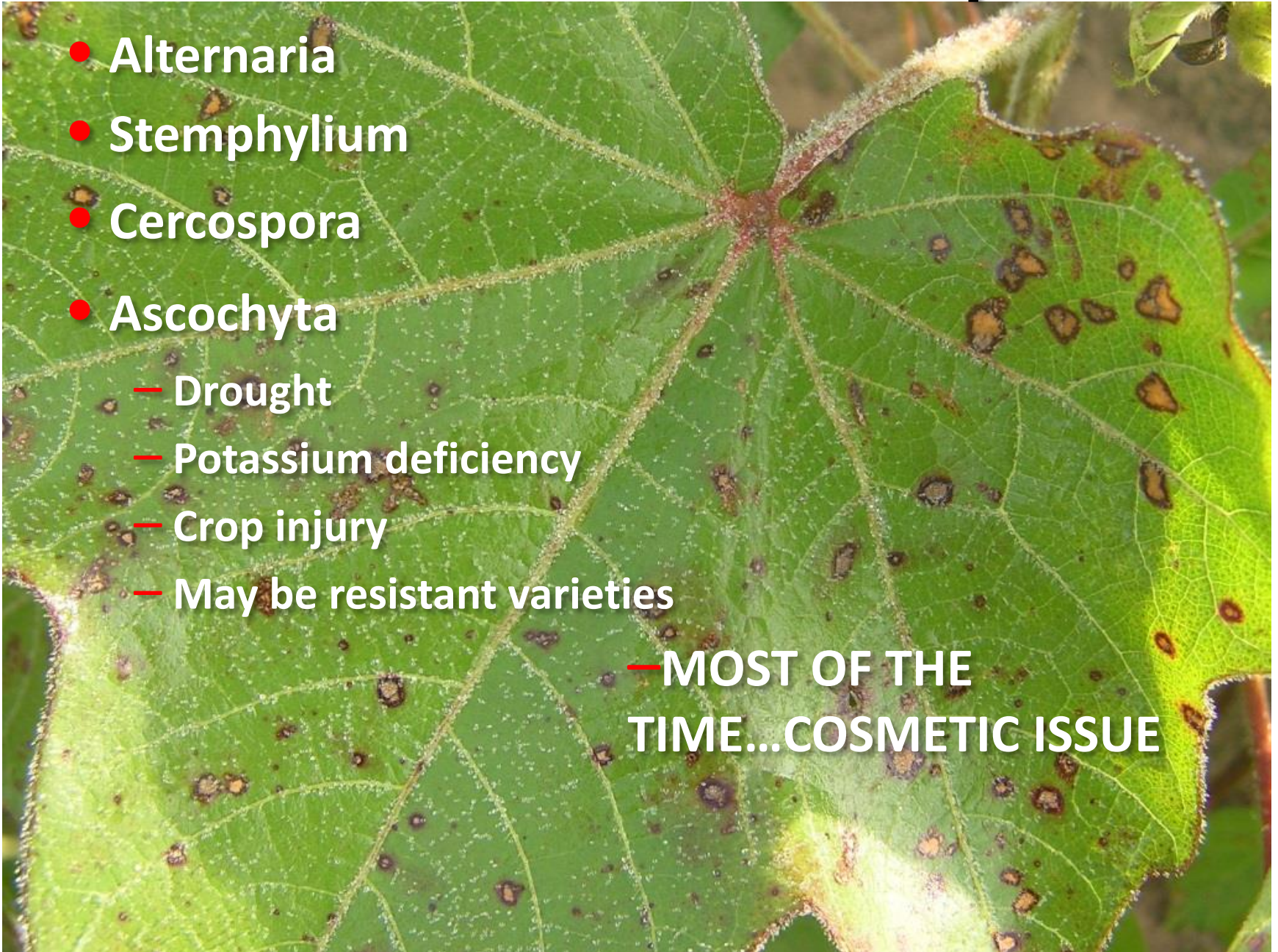


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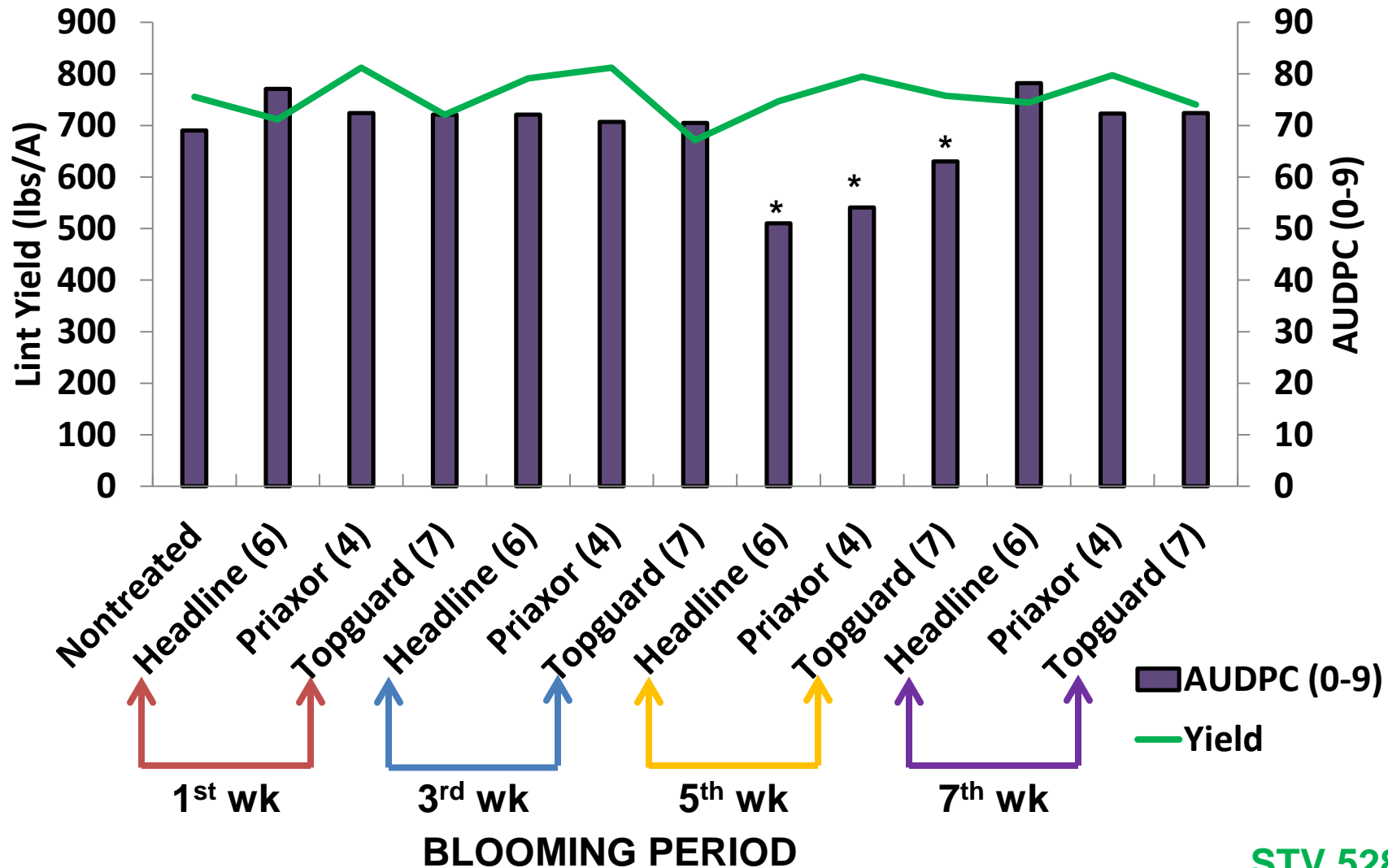
# Cotton Diseases - Leaf Spots

- Alternaria
- Stemphylium
- Cercospora
- Ascochyta
  - Drought
  - Potassium deficiency
  - Crop injury
  - May be resistant varieties

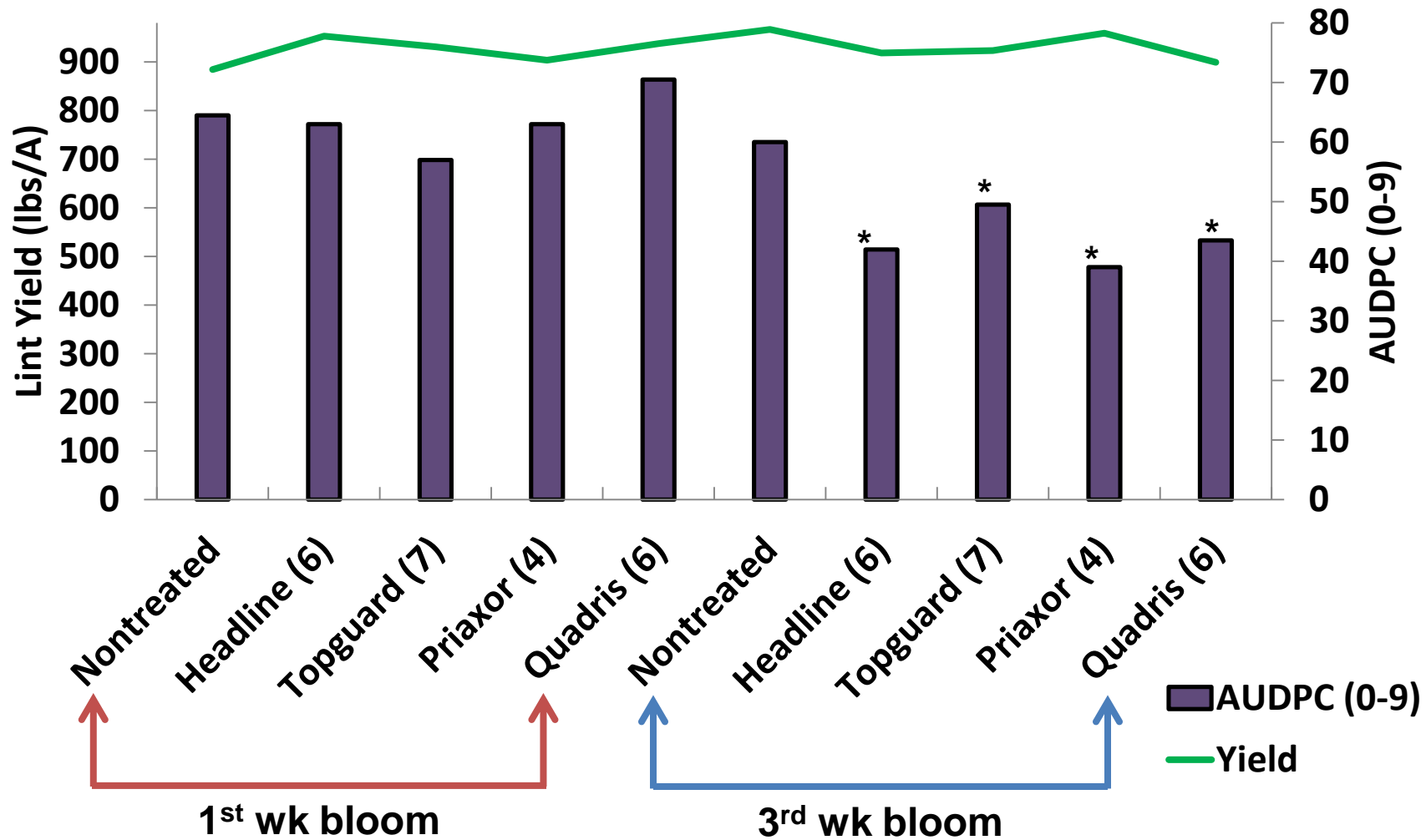
— MOST OF THE  
TIME...COSMETIC ISSUE



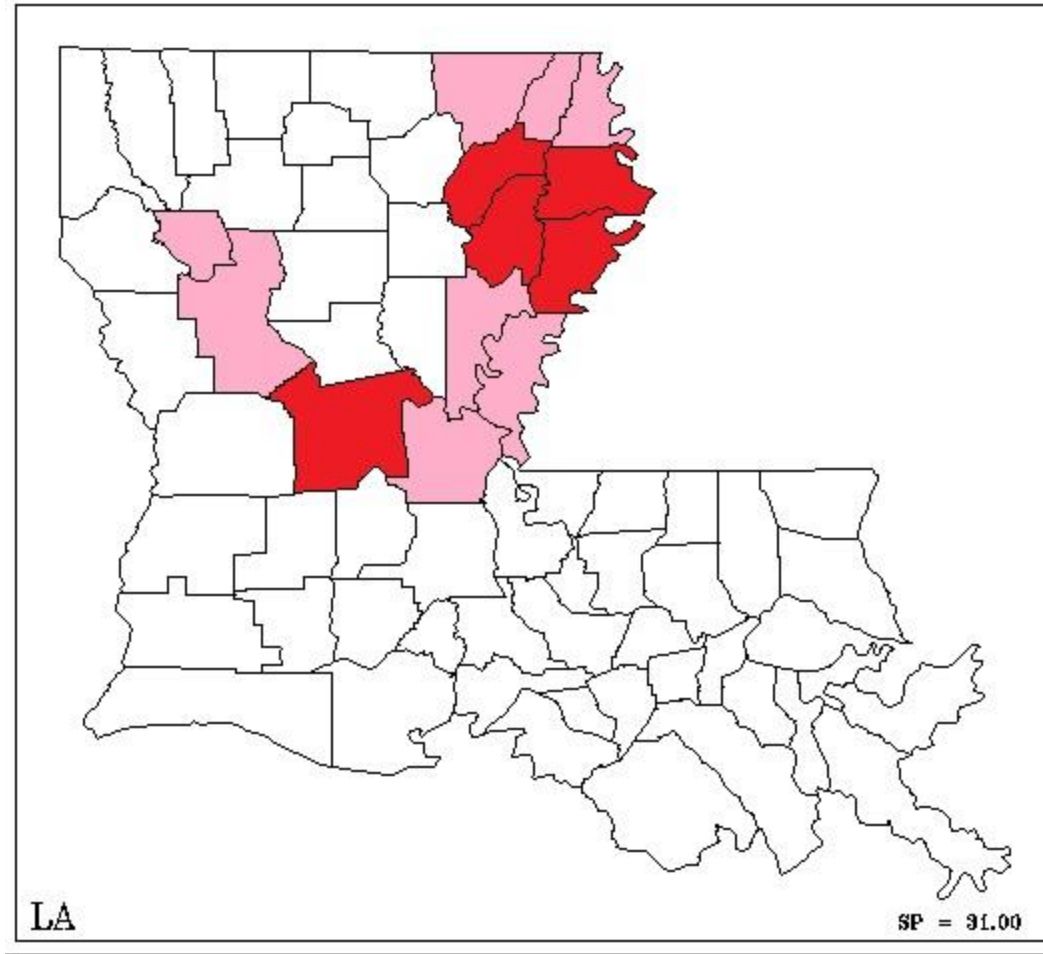
# Fungicide Trial, MRRS, Winnsboro, LA, 2014 – COTTON LEAF SPOTS



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# Target Spot Distribution - 2014



# Target Spot – *Corynespora cassiicola*



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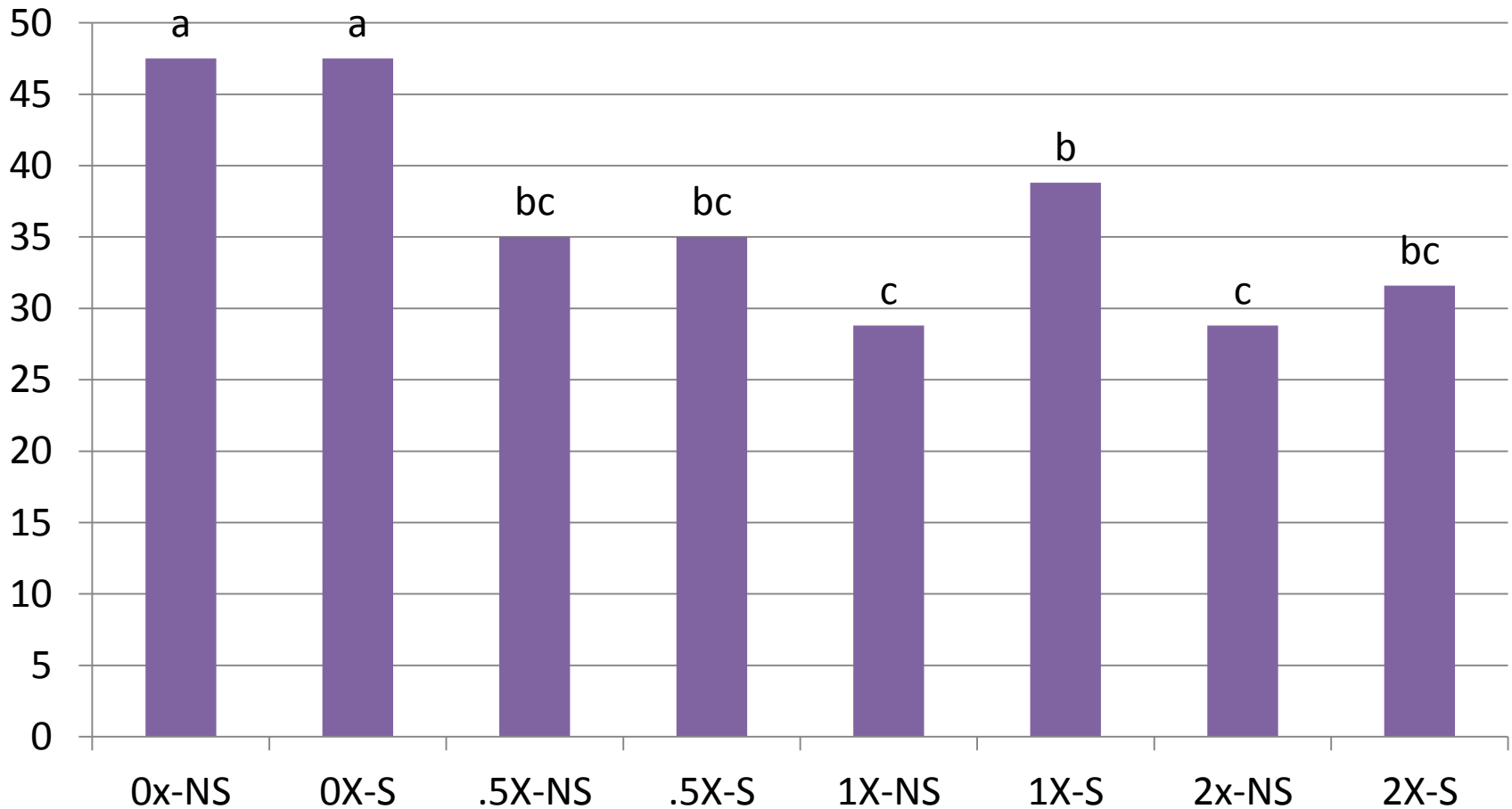
# Target Spot – *Corynespora cassiicola*



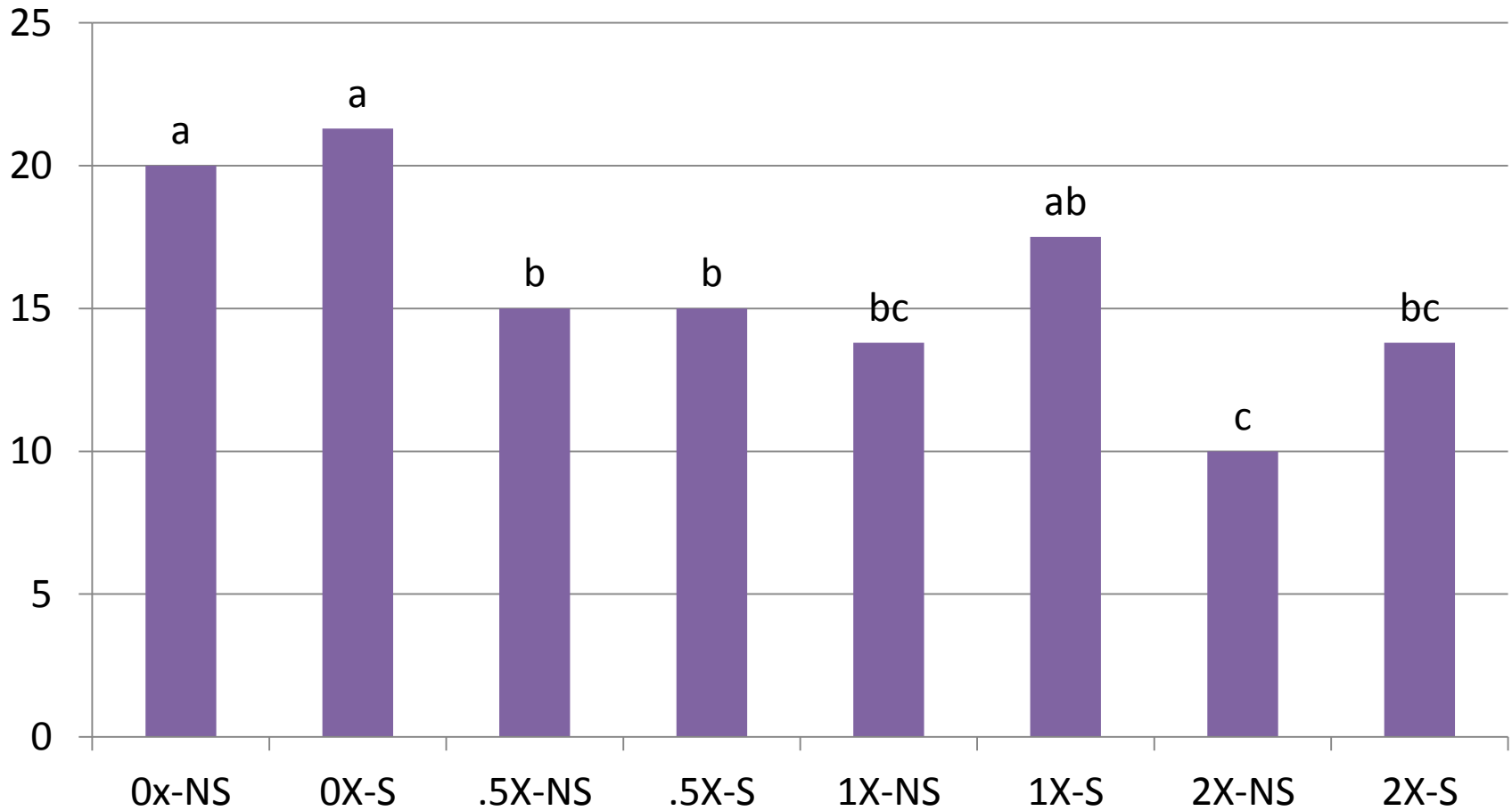
# Target Spot – *Corynespora cassiicola*



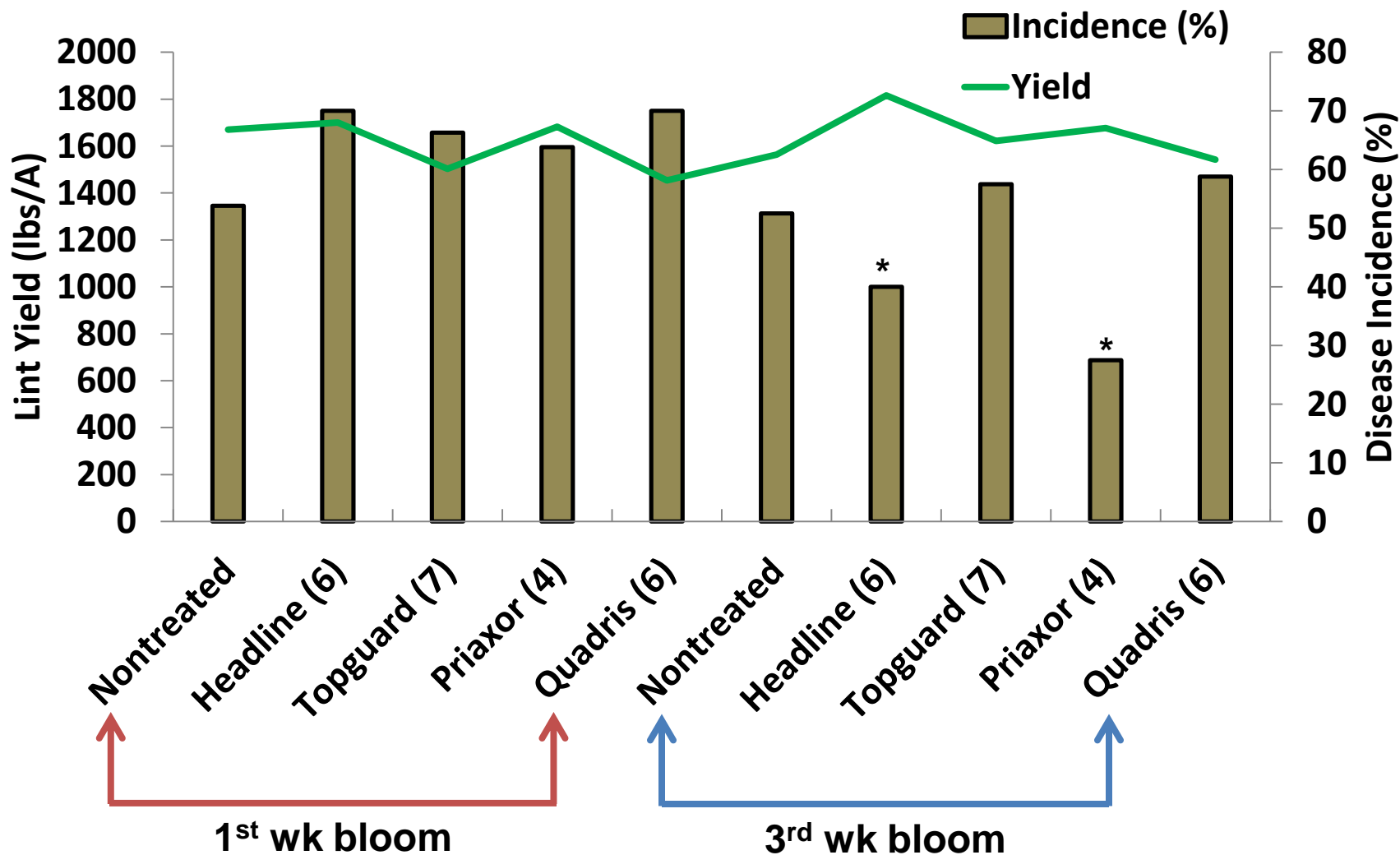
# St. Joseph Target Spot-% Incidence



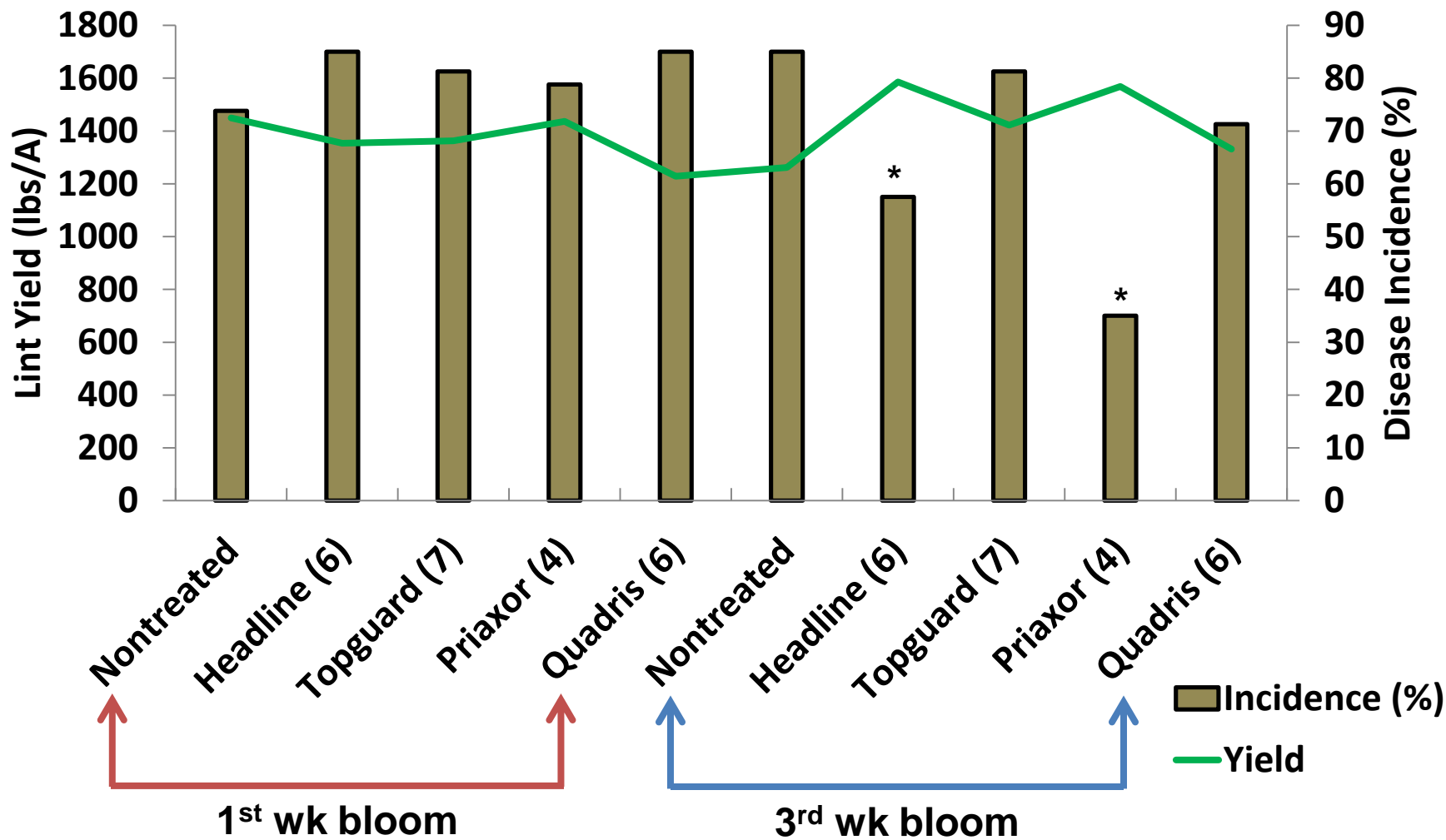
# St. Joseph Target Spot-% Defoliation



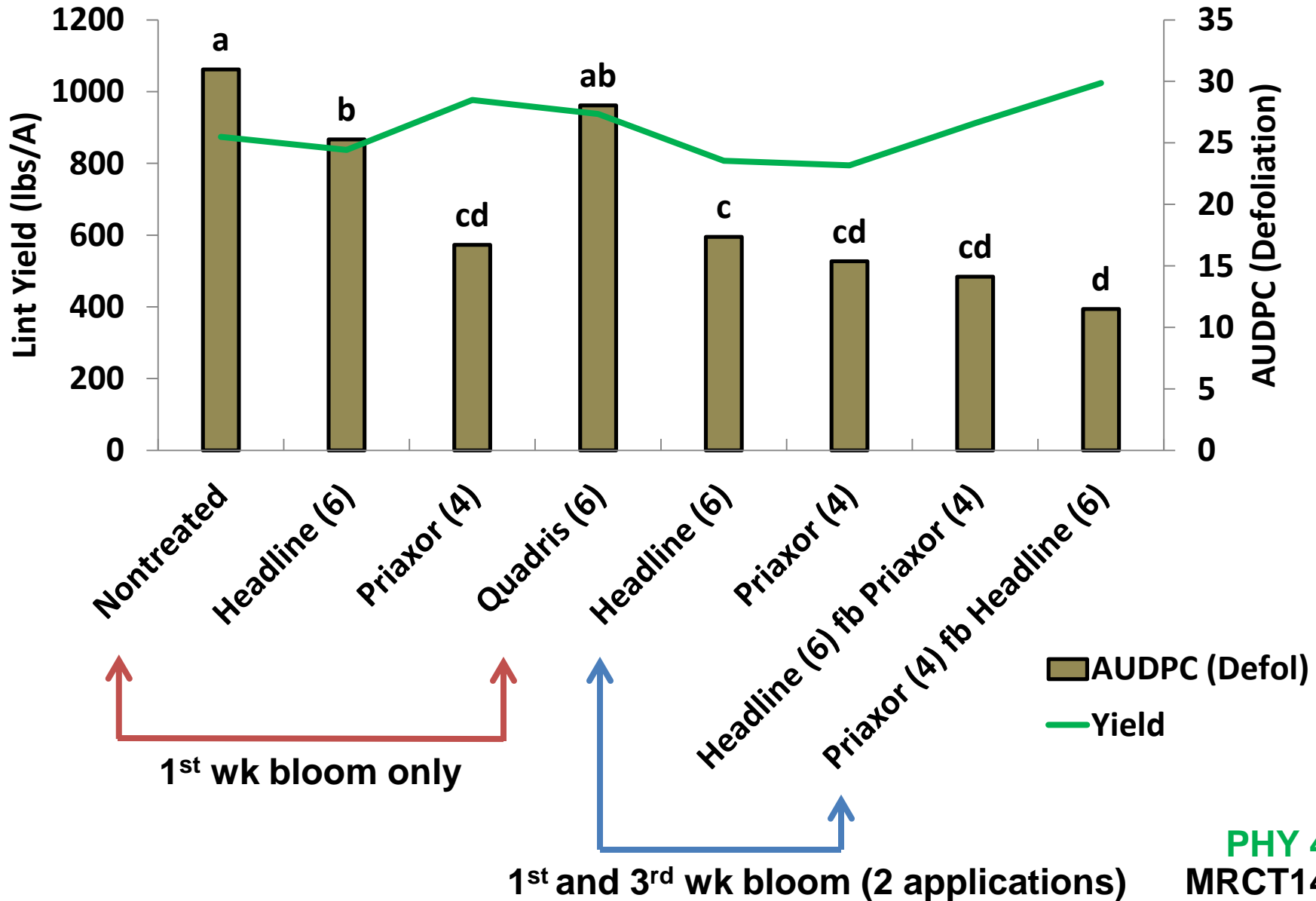
# Fungicide Trial, DLRS, Alexandria, LA, 2014 - TARGET SPOT



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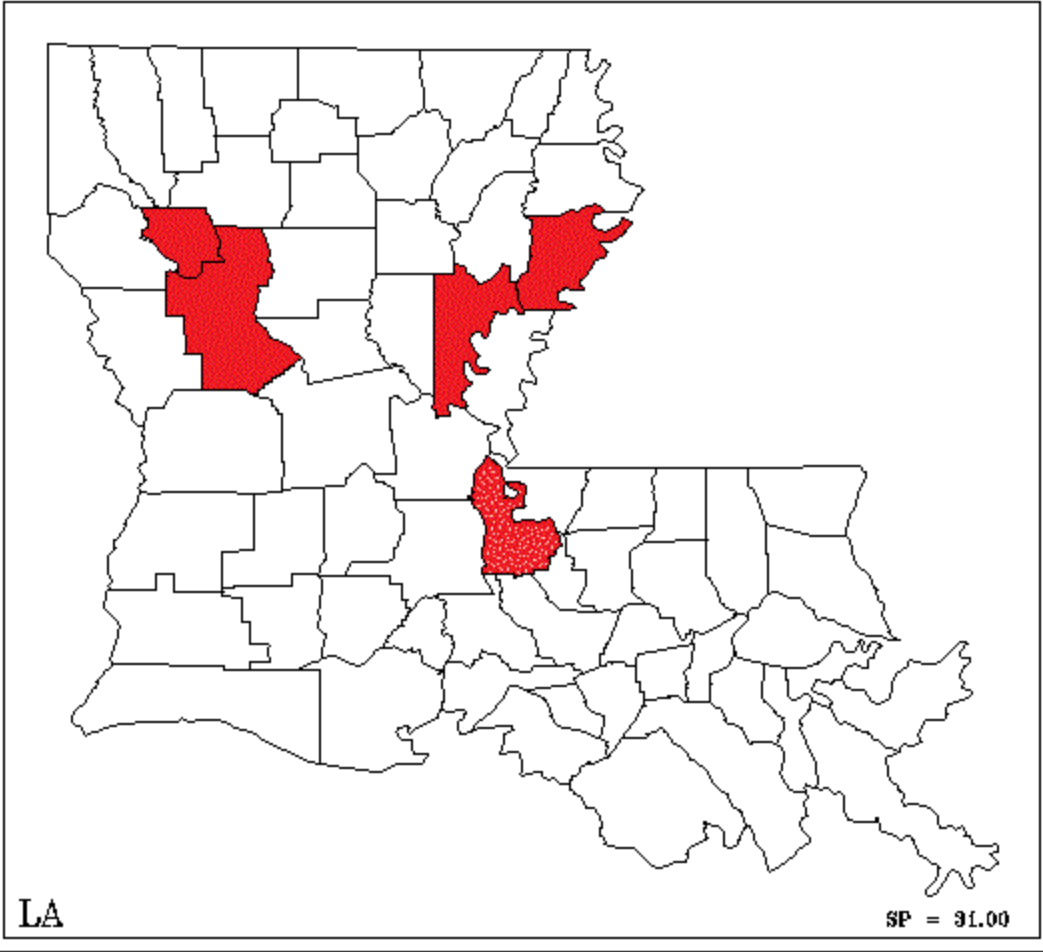


# Fungicide Trial, MRRS, Winnsboro, LA, 2014 - TARGET SPOT





# Bacterial Leaf Blight Distribution - 2014



# Bacterial Leaf Blight (Angular leaf spot)



# Bacterial Leaf Blight (Angular leaf spot)



# Bacterial Leaf Blight (Angular leaf spot)



# Cotton Foliar Disease

## Recommendations

- Cotton leaf spot complex
  - Solve the underlying issue (K, drought, injury)
  - Fungicides work, but likely not economical
- Target spot
  - Manage plant height (PGRs)
  - Scouting is key (1<sup>st</sup> month of blooming)
  - Fungicides work, may be economical in severe situations
- Bacterial blight
  - Few resistant varieties
  - Overhead irrigation may exacerbate
  - Manage plant height (PGRs)
  - Otherwise, manage it like you're going to make 3 bales.