# Glyphosate resistant Palmer amaranth



## **General observations**

 Individual plants exhibit growth habits of Palmer and waterhemp species.

 Same "patchy" appearance as horseweed in 2001 and 2002.

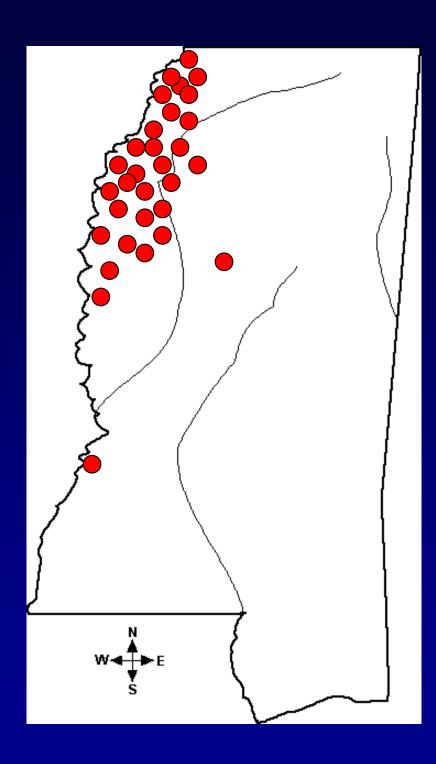


### **General observations**

Not specific to cotton.

 More prevalent in north delta and closer to the levee.

Several "worse" cases are inside the levee.



 Investigating over 30 populations for tolerance to glyphosate



# Initial resistance screening

Treated with 0.5x rate of glyphosate



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## Palmer amaranth

Emerges later than other pigweeds.

 In-season residuals beginning with EPOST to MPOST may be more vital.

 Early soybean production system in MS contributes to seedbank.

 Grower mentality: not my problem until its my problem.

## Palmer amaranth

Why is MS just now having problems.

Irrigation.

MS uses more tillage.

Concern for cross resistance.