



Glyphosate Resistant Palmer Amaranth Roundtable South Carolina Update

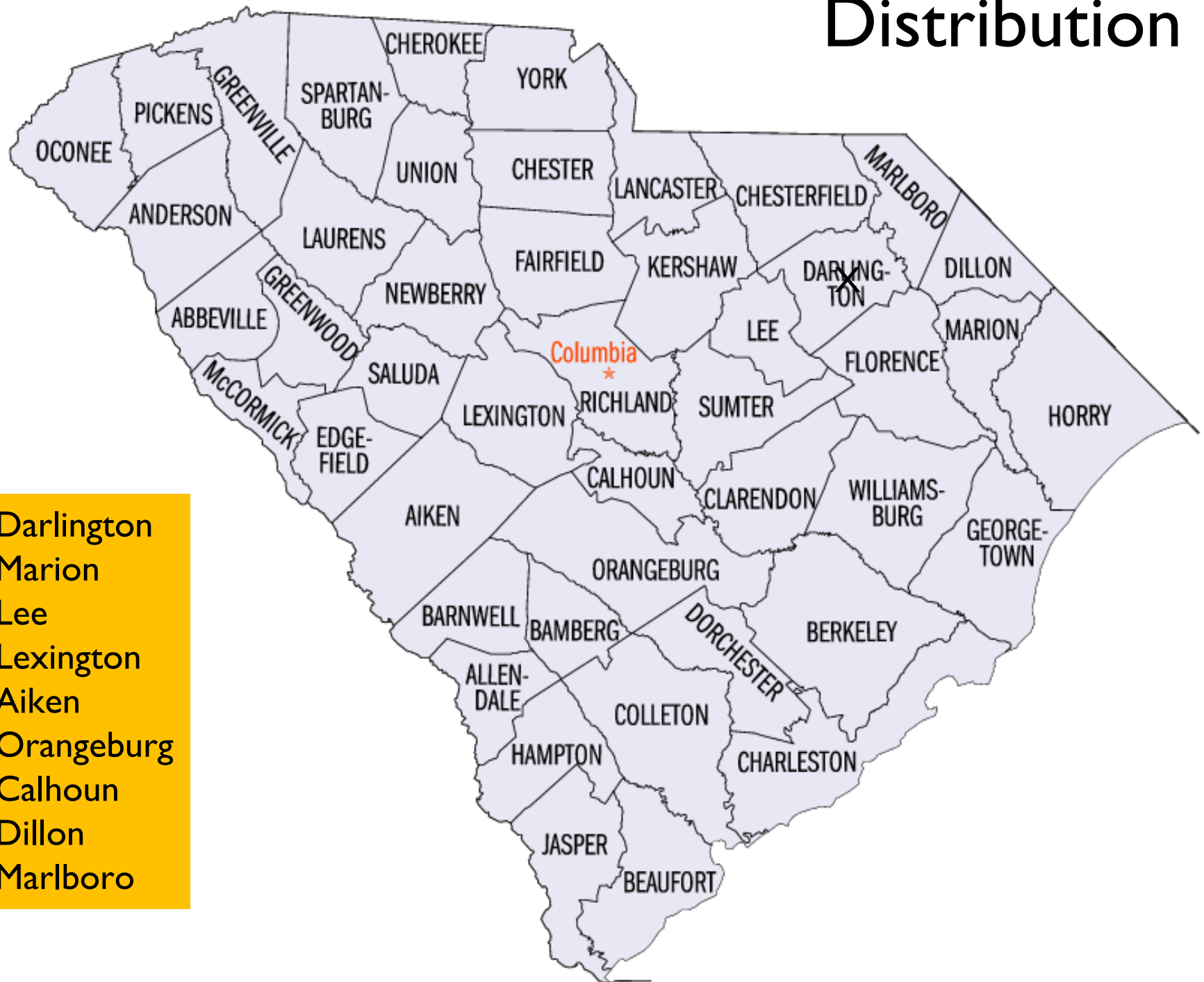
Mike Marshall

Edisto Research and Education Center
Clemson University

Situation

- Survey under way this fall on incidence of GR Palmer amaranth in South Carolina
- Tentative results:
 - 9 counties confirm GR Palmer amaranth
 - Most first observed problem in cotton in 2004
 - Majority reporting light to moderate infestations.

Distribution



- Darlington
- Marion
- Lee
- Lexington
- Aiken
- Orangeburg
- Calhoun
- Dillon
- Marlboro

Crop Production for 2008

- Planned crop acreage:
 - Cotton 110,700 (137,000)
 - Corn 128,100 (124,000)
 - Soybean 205,100 (182,000)
 - Peanuts 41,700 (38,200)
 - Tobacco 5,700 (5,579)
- % using soil residual by crop
 - Cotton 77%
 - Corn 89%
 - Soybean 11%

Impact/Added Cost of GR Palmer amaranth

- Cotton
 - \$22/A herbicide
 - \$6 labor
- Corn
 - \$6/A herbicide
- Soybean
 - \$17/A herbicide
 - \$5 labor



Outcomes

- GR Palmer amaranth will not go away
- Use of residual herbicides important
- Rotation of herbicide families
- Use of other herbicides with glyphosate



Questions