

Epidemiology of Bacterial Blight of Cotton: 2011 to 2015

T. W. Allen

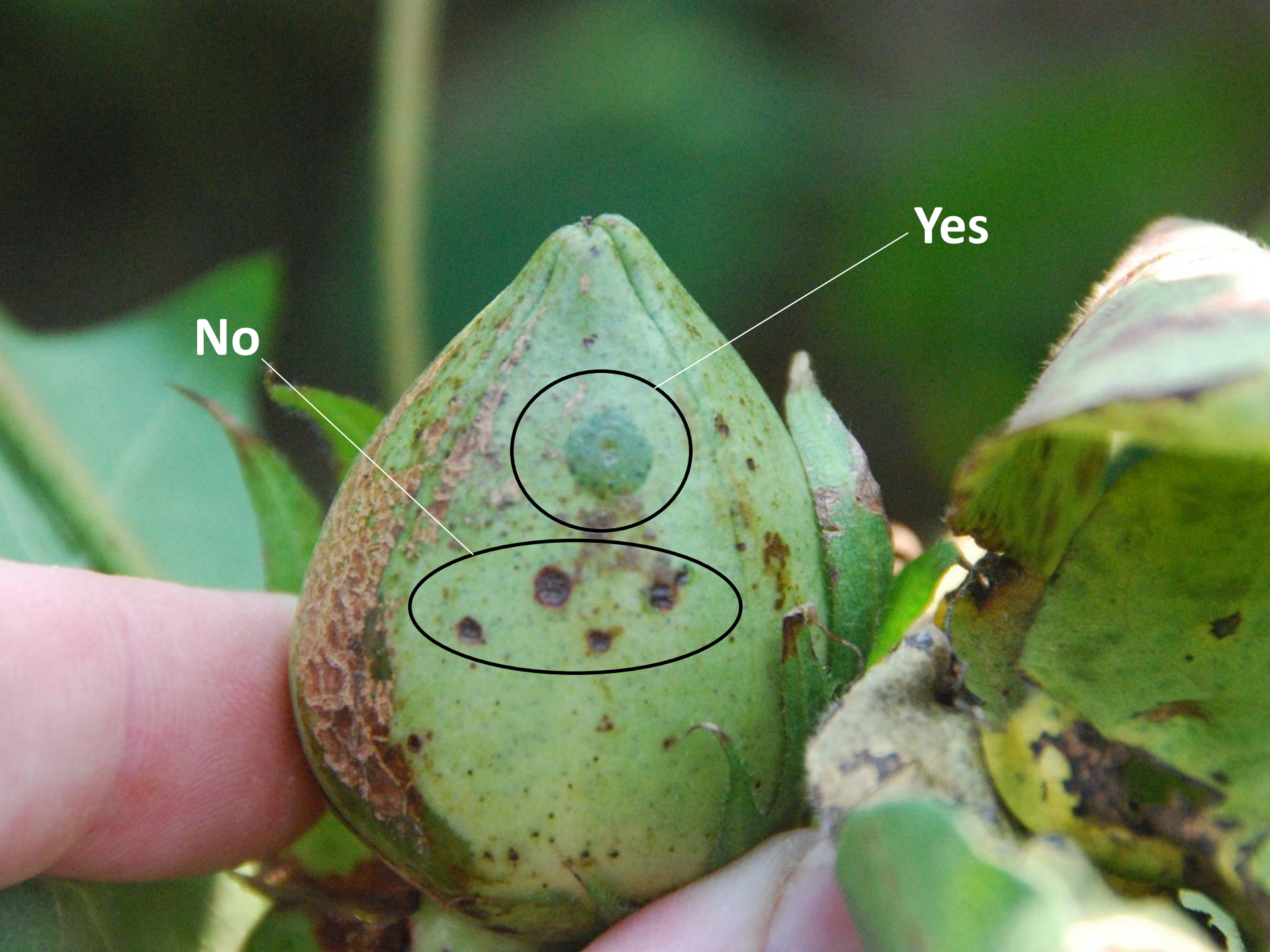
2016 Cotton Incorporated - Bacterial Blight Review

St. Louis, MO

April 5, 2016



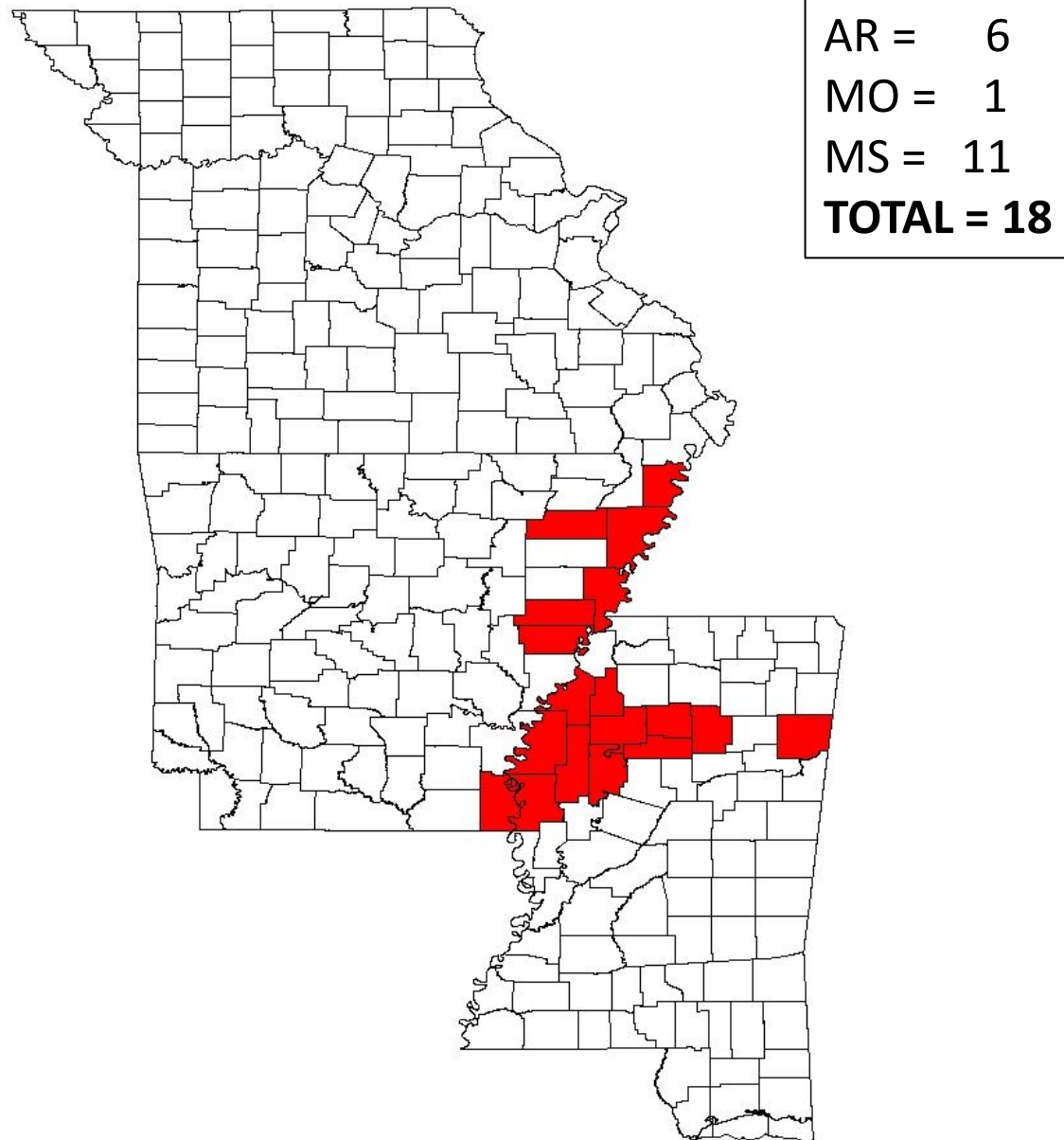




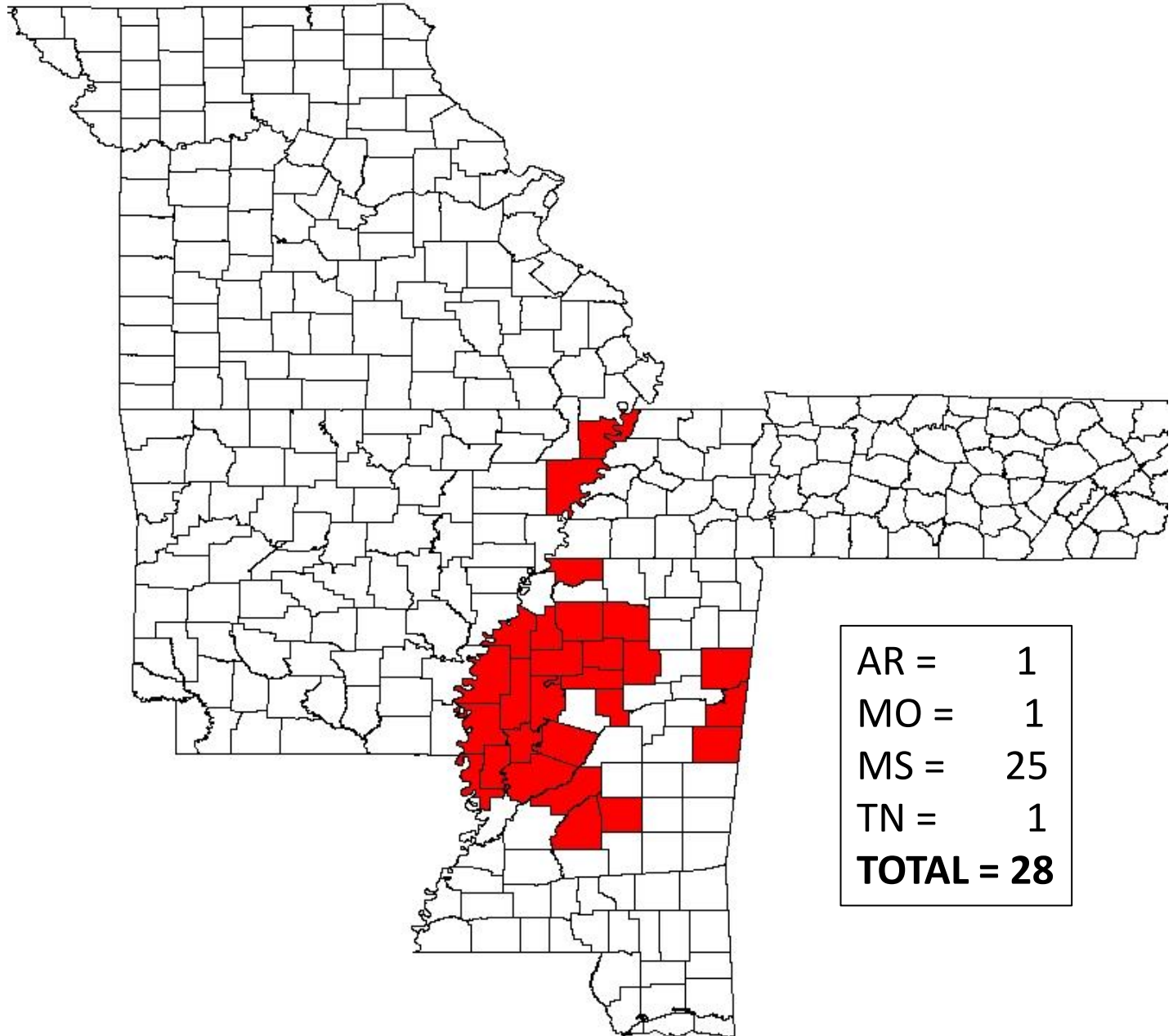
No

Yes

2011 bacterial blight distribution



2012 bacterial blight distribution

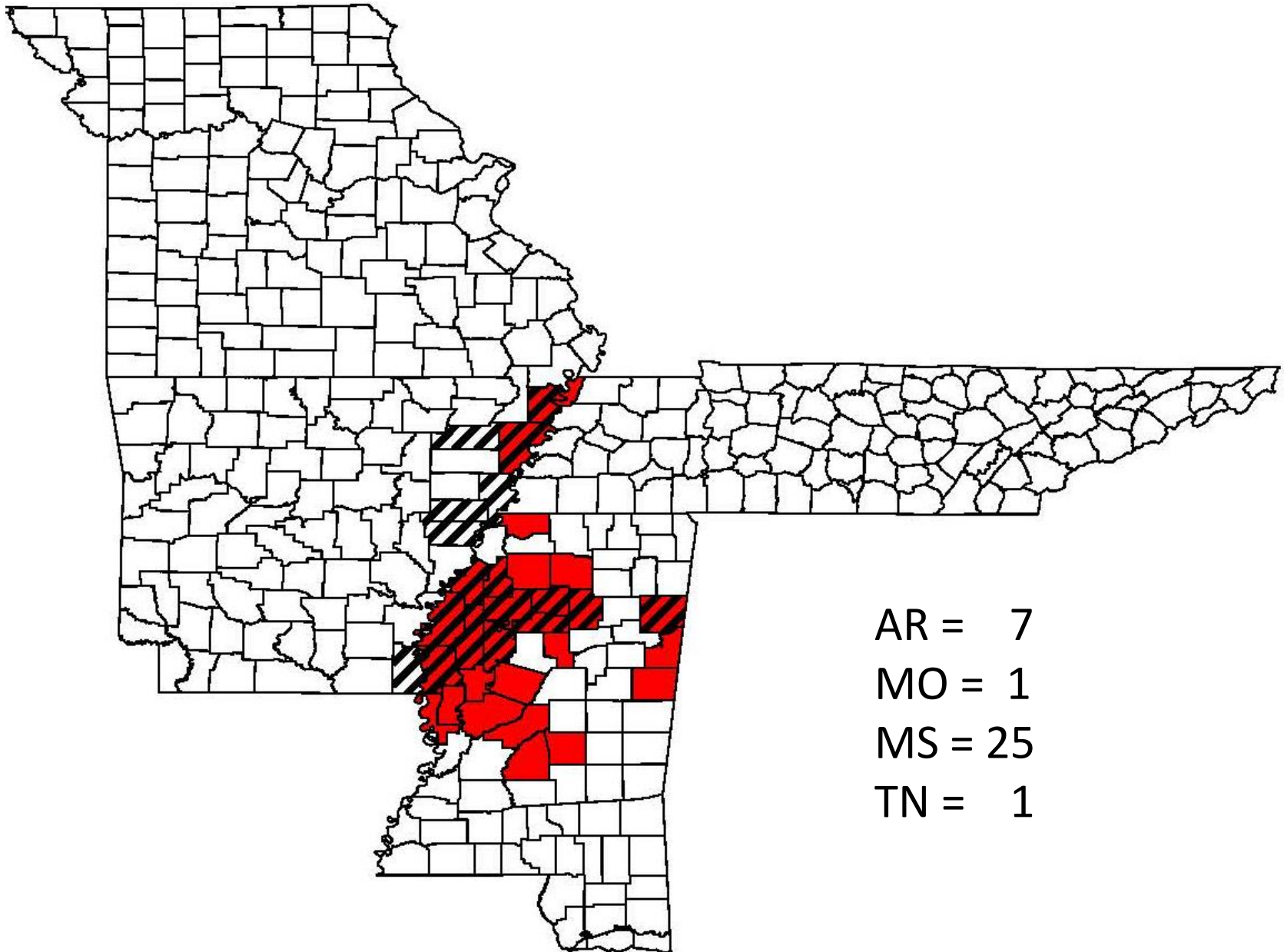


2012 MS cotton field survey

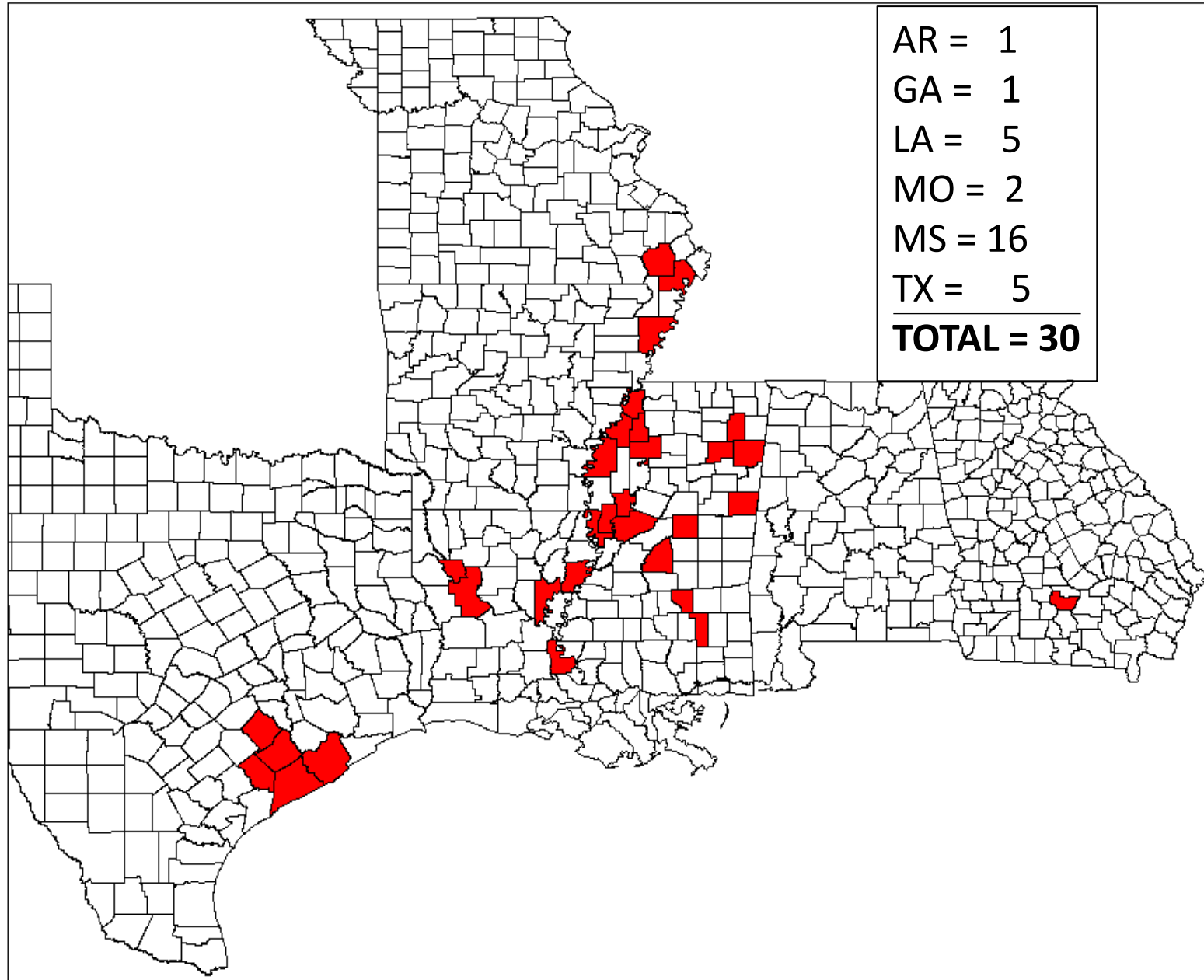
Variety	# of fields with blight	# of fields considered	Percentage infected
DPL0912	48	61	78.7%
DPL0935	2	3	66.7%
DPL1028	24	24	100%
DPL1034	123	156	78.8%
DPL1048	28	33	84.8%
DPL1050	22	28	78.6%
PHY499	6	14	42.9%
ST5458	62	185	33.5%
TOTAL	315	508	62.0%

NOTE: information obtained from a survey of 9 MS consultants

2011 & 2012 bacterial blight distribution



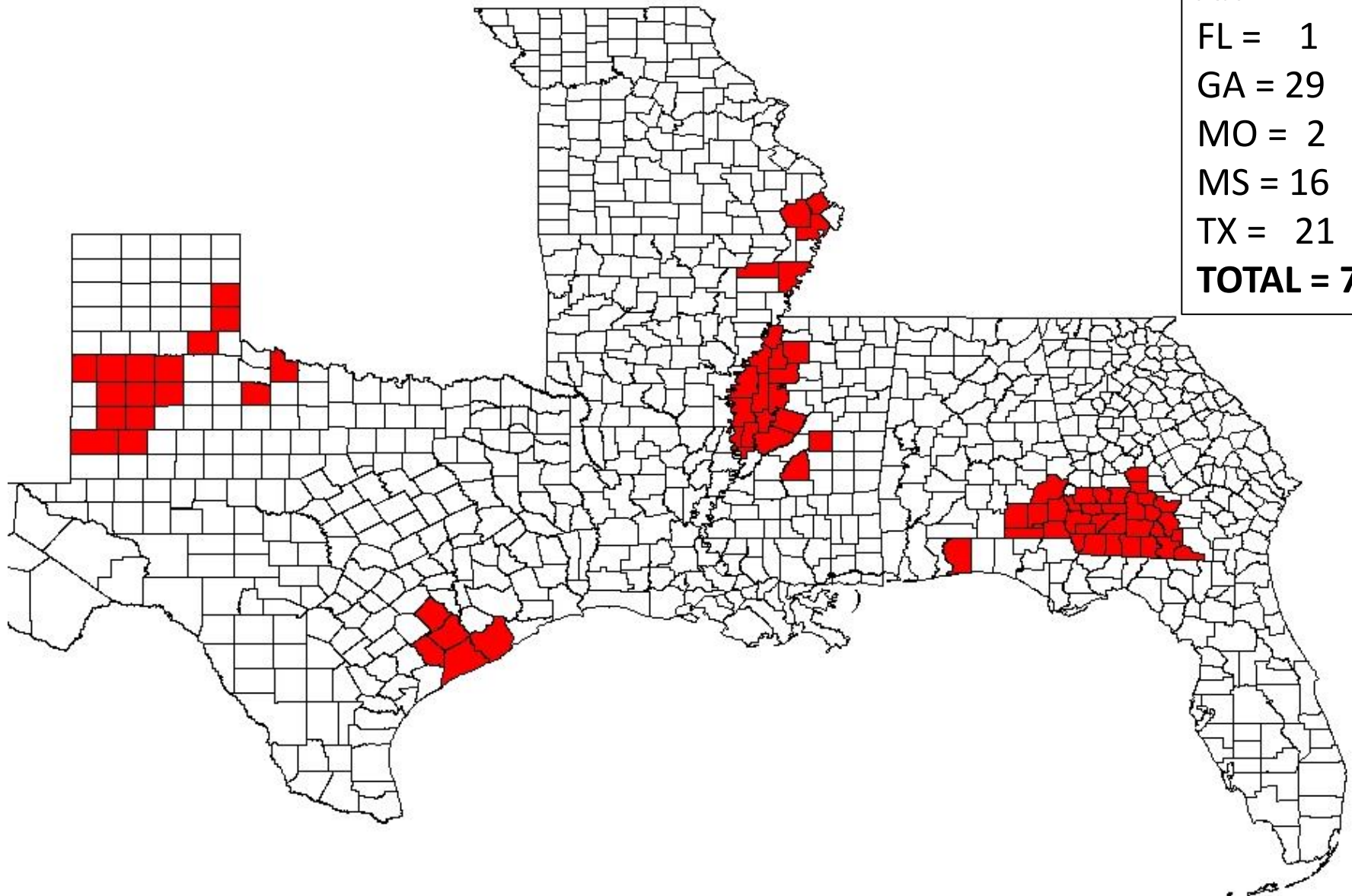
2014 bacterial blight distribution



2014 bacterial blight confirmations

- Alabama (Austin Hagan)
 - 1 confirmed county
 - 1 confirmed variety: PHY 499 WRF
- Arkansas (Tom Barber)
 - 1 confirmed county
 - # confirmed variety: ???
- Georgia (Bob Kemerait)
 - 1 confirmed county
 - 1 confirmed variety: PHY 499 WRF
- Louisiana (consultant; Trey Price)
 - 5 confirmed parishes
 - 2 confirmed varieties: DPL 1321 B2RF; PHY 499 WRF
- Mississippi (consultants; Tom Allen)
 - 16 confirmed counties
 - 8 confirmed varieties: CG 3787 B2RF; DPL 0912 B2RF, 1028 B2RF, 1034 B2RF, 1321 B2RF; PHY 495, 499 WRF; ST 4946 GLB2
- Missouri (consultant)
 - 2 confirmed counties
 - 3 confirmed varieties: DG 2285 B2RF and 2570 B2RF; DPL 0912 B2RF
- Texas (consultants; Jason Woodward)
 - 5 confirmed counties, many more suspected
 - 2 confirmed varieties: DPL 1044 B2RF; PHY 499 WRF

2015 bacterial blight distribution





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