This publication provides estimates of the total (multiplier-based) economic impact of agriculture in Wayne County. This analysis accounts for the total effect of county agriculture throughout the local economy. Economic impact is measured in terms of: 1) output or revenue (the value of sales of all local goods and services) and 2) employment.

For Wayne County in 2015:

1) Total direct agricultural output is estimated at $109.2 million. With multiplier effects, agricultural output has a total estimated economic impact of $156.1 million. This means, for every dollar of direct output from agriculture, the total economic impact on the county's economy is $1.43 (i.e., the 156.1 divided by the 109.2) (Figure 1, “Output”).

2) There are 1,014 workers employed in county agriculture. With multiplier effects, an estimated 1,403 jobs are generated by county agriculture, or one direct agricultural job leads to 1.38 jobs (i.e., 1,403 divided by 1,014) in the county (Figure 1, “Employment”).

Contact Author: dhughe17@utk.edu, 865-974-7463. For an explanation of the model used, see Hughes 2018. For state-level impacts, see Menard et al., 2016.

Additional information regarding county farming can be found in the most recent (2012) Agricultural Census at the following: Wayne County

See Hughes (2018) for an explanation of the model used. See Menard et al. (2016) for state-level impacts.
The output multiplier is $1.43. A dollar of output in agriculture leads to $1.43 in county-level output (i.e., the dollar plus the $0.43 multiplier effect). The employment multiplier is 1.38. A job in agriculture leads to 1.38 in county-level jobs (i.e., the job plus the 0.38 multiplier).

References

Acknowledgments
Appreciation is extended to the following organizations for their support and assistance: Farm Credit Mid-America; Tennessee Cattlemen’s Association; Tennessee Department of Agriculture; Tennessee Farm Bureau; and the Tennessee Soybean Promotion Board. We would also like to thank Rob Holland, Extension Specialist and Director, Center for Profitable Agriculture; Kevin Rose, Extension Agent and Giles County Director; Jacob Boone, Extension Agent and Hancock County Director; Jeff Lannom, Extension Agent and Weakley County Director; and University of Tennessee Extension for their financial support and time.