Economic Impacts of Agriculture and Forestry in Tennessee, 1997

by

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Executive Summary

The agro-forestry industrial complex contributes $56.7 billion to the Tennessee economy, accounting for 21 percent of the economic activity conducted within the state and employing 293,000 individuals. Outdoor hunting, fishing, and bird watching enthusiasts generate an additional 3.6 billion dollars annually. The agro-forestry industrial complex includes the primary industries typically associated with agriculture and forest operations such as the growing of crops, the breeding and feeding of livestock, and the management and logging of trees. Also included in the industrial complex are the input supply industries and the value-added sub-sectors, which include food and kindred products manufacturing, apparel and textiles, and forestry products manufacturing.

Agriculture, a subset of the agro-forestry industrial complex in Tennessee, includes farming and related industries, as well as value-added food and fiber production, processing and manufacturing. Agriculture accounts for 14.2 percent of the state’s economy and generates $38.5 billion in output. It employs about 218,000 Tennesseans, with 114,000 employed (both full- and part-time) in agricultural production. In addition,

- Raw agricultural products generate nearly $2.4 billion in farm cash receipts annually.
- Tennessee farmers earn more than 63.5 percent of their cash receipts from sales of cattle and calves, cotton, broilers, tobacco, and dairy products.
- The manufacturing of food and kindred products adds value in excess of $4.6 billion to the state’s economy.
- Tobacco, soybeans, cotton, wheat, and poultry are important contributors to Tennessee’s agricultural exports.

This analysis was conducted using the Tennessee Agri-Industry model (TNAIM) and the Impact Analysis for Planning (IMPLAN) model and databases, adjusted for agricultural data from the 1997 Census of Agriculture. TNAIM, an input-output model for five trading regions within the state, traces transactions conducted within the economy and attempts to quantify the economic interdependencies within each region’s economy for a given point in time. Through these interdependencies, one can evaluate the indirect and induced impacts that economic activity in one region might have on the entire state economy.
Table of Contents

Executive Summary ........................................................................................................................................ iii
Table of Contents ....................................................................................................................................... iv
List of Tables .................................................................................................................................................. v
List of Figures ................................................................................................................................................ vi
Introduction ................................................................................................................................................... 1
Overview of Agriculture and Forestry in Tennessee ...................................................................................... 3
Data and Methods Used ................................................................................................................................ 14
  Economic Impacts at the State & In-state Region Levels .............................................................................. 18
    Primary Agricultural Products: ................................................................................................................ 22
    Secondary Agricultural Products: ........................................................................................................... 25
    Primary Forest Products: ......................................................................................................................... 26
    Secondary Forest Products: .................................................................................................................... 27
Estimated Total Economic Impacts of Agriculture and Forestry: ...................................................................... 28
  Primary Agriculture Products Total Impacts: ............................................................................................ 31
  Secondary Agriculture Products Total Impacts: ........................................................................................ 36
  Primary Forest Products Total Impacts: ..................................................................................................... 38
  Secondary Forest Products Total Impacts: ................................................................................................. 39
Summary and Conclusions ............................................................................................................................ 41
Literature Cited .............................................................................................................................................. 45
Appendix Section 1: IMPLAN Model Data Adjustment Procedures .............................................................. 46
Appendix Section 2: Detailed Presentation of Direct Economic Impacts from Agriculture and Forestry ................................................................................................................................. 51
Appendix Section 3: Detailed Presentation of Total Economic Impacts (Indirect and Induced) of Agriculture and Forestry ........................................................................................................ 89
List of Tables

Table 1. Crops Harvested, Acreage, and State Ranking ................................................................. 3
Table 2. State Value of Agricultural Commodities and U.S. Market Share .............................. 5
Table 3. 1996 Manufacturing Statistics for Tennessee .............................................................. 11
Table 4. Direct Economic Activity in Agriculture and Forestry ............................................. 19
Table 5. State Level: Direct Economic Activity in Farm Production ......................................... 22
Table 6. Region Level: Direct Economic Activity in Farm Production (Top Ten Sectors) ...... 23
Table 7. Direct Economic Activity in Secondary Agricultural Products .................................. 25
Table 8. Direct Economic Activity in Primary Forest Products ............................................. 27
Table 9. Direct Economic Activity in Secondary Forest Products ........................................... 29
Table 10. Estimated Total Economic Impacts from Agriculture and Forestry ...................... 30
Table 11. Estimated Total Economic Impacts from Secondary Agricultural Products .......... 37
Table 12. Estimated Total Economic Impacts from Primary Forest Products ......................... 39
Table 13. Estimated Total Economic Impacts from Secondary Forest Products ...................... 40
Table 14. Regional Importance of Agriculture to that Region’s Economy .............................. 42
Table 15. Primary Agricultural and Forestry Output and Employment Multipliers .................. 44
Table A.1. Bridge Between IMPLAN and 1997 Census of Agriculture Sectors ..................... 49
Table A.2. Modeling Analysis Regions: County Listing .......................................................... 50
Table A.3. State of Tennessee: Direct Impacts from Agriculture and Forestry ...................... 52
Table A.4. Memphis Region: Direct Impacts from Agriculture and Forestry ......................... 58
Table A.5. Nashville Region: Direct Impacts from Agriculture and Forestry ......................... 65
Table A.6. Chattanooga Region: Direct Impacts from Agriculture and Forestry .................... 71
Table A.7. Knoxville Region: Direct Impacts from Agriculture and Forestry ....................... 77
Table A.8. Tri-Cities Region: Direct Impacts from Agriculture and Forestry ....................... 83
Table A.9. State of Tennessee: Total Impacts from Agriculture and Forestry ....................... 99
Table A.10. Memphis Region: Total Impacts from Agriculture and Forestry ....................... 108
Table A.11. Nashville Region: Total Impacts from Agriculture and Forestry ....................... 117
Table A.12. Chattanooga Region: Total Impacts from Agriculture and Forestry ................... 126
Table A.13. Knoxville Region: Total Impacts from Agriculture and Forestry ....................... 135
Table A.14. Tri-Cities Region: Total Impacts from Agriculture and Forestry ....................... 135
List of Figures

Figure 1. Average Farm Size for Tennessee, 1997................................................................. 4
Figure 2. Market Value of Cattle & Calves Sold, 1997.......................................................... 5
Figure 3. Market Value of Poultry & Poultry Products Sold, 1997........................................ 6
Figure 4. Market Value of Hay, Silage, and Field Seeds Sold, 1997........................................ 6
Figure 5. Market Value of Soybeans Sold, 1997................................................................. 6
Figure 6. Market Value of Nursery & Greenhouse Crops Sold, 1997...................................... 7
Figure 7. Market Value of Dairy Products Sold, 1997........................................................... 7
Figure 8. Market Value of Cotton Sold, 1997................................................................. 7
Figure 9. Market Value of Tobacco Sold, 1997................................................................. 8
Figure 10. Market Value of Feed Grains Sold, 1997............................................................ 8
Figure 11. Tennessee’s Standing Timber Resources, 1997..................................................... 9
Figure 12. Timber Removal in Tennessee, 1997................................................................. 9
Figure 13. Forest Coverage in Tennessee Counties, 1997.................................................... 10
Figure 14. Number of Food & Kindred Products Establishments in Tennessee, 1996.............. 11
Figure 15. Number of Tobacco Products Establishments in Tennessee, 1996......................... 12
Figure 16. Number of Textile Mill Products Establishments in Tennessee, 1996...................... 12
Figure 17. Number of Apparel & Other Textile Products Establishments in Tennessee, 1996... 12
Figure 18. Number of Lumber & Wood Products Establishments in Tennessee, 1996.......... 13
Figure 19. Number of Furniture & Fixtures Establishments in Tennessee, 1996................. 13
Figure 20. Number of Paper & Allied Products Establishments in Tennessee, 1996.............. 13
Figure 21. Tennessee Agri-Industry Model Analysis Regions................................................ 14
Figure 22. Social Accounting Matrix Framework .................................................................. 16
Figure 23. Direct Total Industry Output from Agriculture and Forestry by Market Level and Analysis Region.............................................................................................................. 21
Figure 24. Estimated Direct, Indirect, and Induced Impacts for Cattle and Poultry & Eggs...... 32
Figure 25. Estimated Direct, Indirect, and Induced Impacts for Hay & Pasture and Oil Bearing Crops................................................................................................................................. 33
Figure 26. Estimated Direct, Indirect, and Induced Impacts for Greenhouse & Nursery Products and Dairy.................................................................................................................. 34
Figure 27. Estimated Direct, Indirect, and Induced Impacts for Cotton and Tobacco.............. 35
Figure 28. Estimated Direct, Indirect, and Induced Impacts for Feed Grains.......................... 36