Animal Agriculture in South Carolina: A Fact Book

M. L Warner, Ph.D., Research Assoc./Assis. Prof., Ag and Applied Economics
H. Harris, Professor, Ph.D. Ag and Applied Economics
B.J. Vander Mey, Ph.D. Assoc. Prof., Sociology
J. Allen, Director, SC Water Resources Center
C. M. Sieverdes, Ph.D. Professor, Ag and Applied Economics
C. Mobley, Ph.D. Asst. Prof., Sociology
P. Skewes, Ph.D. Professor, Animal and Veterinary Sciences

Funded by PSA Agrisystems Productivity and Profitability Competitive Grants. Public Service and Agriculture. Clemson University, Clemson, South Carolina.
# Table of Contents

Introduction .......................................................................................................................... 1

Current Status of Animal Agriculture in South Carolina: Comparison with Adjacent States ........ 5

Adult South Carolinians’ Opinions about Animal Agriculture .................................................. 10

Depicting Trends in South Carolina Animal Agriculture .......................................................... 26

Spatial Relationships of Polluted Streams, Animal Agriculture, and Human Populations in South Carolina Watersheds .................................................................................. 29

Economics of Regulating Animal Agriculture ........................................................................... 41

How Governments Are Responding .......................................................................................... 44

    South Carolina’s New Regulations ..................................................................................... 44

    What the Federal Government Is Doing ............................................................................. 46

    What’s Happening in the States ......................................................................................... 47

    What’s Happening at the County and Local Levels ............................................................ 49

The Changing Structure of Animal Agriculture ........................................................................ 50

Problems and Solutions ........................................................................................................... 53

    What Can Be Done? ............................................................................................................ 53

    Good News ........................................................................................................................ 54

    Bad News .......................................................................................................................... 55

Other Sources of Nonpoint Pollution ....................................................................................... 56

Sources of Funding for Farmers ............................................................................................... 58

Websites of Interest for Agriculture and the Environment ......................................................... 61

Endnotes ................................................................................................................................... 65
Websites of Interest for Agriculture and the Environment

Consider these websites as places to begin. Once you start exploring the internet, you’ll find more places. Be sure to bookmark the ones you like, because sometimes it’s hard to remember how you got somewhere. Be sure to check back with sites from time to time to see if they have been updated or new features have been added. Happy surfing!

Federal Government

1. Ag Center Home Page—Office of Enforcement and Compliance Assurance-EPA (http://es.epa.gov/oeca/ag/).
   National Agriculture Compliance Assistance Center. “Your Source for Agricultural Environmental Compliance Assistance and Information.” “The U.S. Environmental Protection Agency (EPA), with the support of the Department of Agriculture (USDA), has developed a National Agriculture Compliance Assistance Center (Ag Center) to provide a base for ‘first-stop shopping’ for the agriculture community—one place for the development of comprehensive, easy-to-understand information about approaches to compliance that are both environmentally protective and agriculturally sound.”


5. What’s New at EPA. Links to new programs and publications at EPA. (http://www.epa.gov/epahome/WhatsNew.html)

6. Pollution Prevention News, EPA newsletter. What other people are doing. (http://www.epa.gov/opptintr/ChemLibPPN/)


11. Surf Your Watershed, South Carolina—information on watershed quality from EPA (http://www.epa.gov/surf/stinfo/SC/). Click on State Index of Watershed Indicators to see the watersheds in South Carolina in color indicating water quality. To get more information on a specific watershed, click on the map or scroll down to see a list of watersheds and then click.


13. EPA’s Office of Wastewater Management. Links to various documents concerning wastewater. (http://


15. Farm*A*Syst/Home*A*Syst (http://www.wisc.edu/farmasyst/)


17. USDA, NRCS—Home Page (http://www.nrcs.usda.gov/)

18. Farm Service Agency (http://www.fsa.usda.gov/pas/default.asp)


Universities

23. Pollution Potential of Livestock Manure (Clemson) (http://gaia.ageng.umn.edu/extens/ennotes/enwin95/manure.html)


25. Watershed Management: Planning and Managing a Successful Project To Control Nonpoint Source Pollution (NCSU publication) (http://www2.ncsu.edu/bae/programs/extension/publicat/wqwm/ag522.html)

26. MARK: Home to NCSU’s Extension Swine Husbandry (http://mark.asci.ncsu.edu/)


29. Virginia Cooperative Extension. Poultry Education Resources. Links to information about poultry farming. (http://www.apsc.vt.edu/Faculty/Clauer/resource/resource.html)

Laws

30. Legal Information Institute: Topical Index: State Statutes on the Internet (http://www.law.cornell.edu:80/topics/state_statutes.html#agriculture)
31. National Center for Agricultural Law (http://law.uark.edu/arklaw/aglaw/)
32. Environmental Information, Permits and Law on the WWW. Links to many environmental resources. (http://ctcnet.net/gdsbm/environm.htm)
33. Summary of EPA laws that may affect agriculture. (http://es.epa.gov/oeca/lawsver1.pdf)

Links
34. Swine Links—IWCC Swine Management Program (http://www.nishna.net/iwccpig/smplinks.htm)
35. Page of links—Agricultural/Biological/Environmental—ASAE (http://asae.org/hotlist/abe/)
38. The Agriculture Webring. This is a circle of connected websites about agriculture. I haven’t really looked at it, but it may be useful. (http://www.micoks.net/~agraphing/frames.html)

Statistics
39. Fact Finders for South Carolina Agriculture (http://www.nass.usda.gov/sc/)
40. Statistics: Livestock, Poultry and Dairy—NC (http://www.agr.state.nc.us/stats/livestoc.htm)
41. Georgia Agricultural Statistics Service (http://www.nass.usda.gov/ga/)

Miscellaneous
42. FAPRI: Food and Agriculture Policy Research Institute (http://www.fapri.missouri.edu/)
43. The Ecological Society of America. (http://esa.sdsc.edu/) This website includes their latest publication, “Nonpoint Pollution of Surface Waters with Phosphorus and Nitrogen.”
44. Agricultural Conservation Innovation Center (http://agconserv.com/)
47. National Pork Producers Council (http://www.nppc.org/). They also have a chat room at http://www.nppc.org/wwwboard/wwwboard.html.
49. Guide to Environmental Quality in Pork Production (from NPPC) (http://www.nppc.org/PROD/EnvironmentalSection/environguide.html)
51. Animal Waste Management—Idaho (http://www.oneplan.state.id.us/stock/animal.htm)

52. “Agriculturally correct” superhero Agman, comic strip designed to appeal to youth. (http://www.agriculture.com/contents/FFA/agman/)

53. Council for Agricultural Science and Technology, CAST homepage. (http://www.cast-science.org/)


55. To see the Power Point slides that were a part of Steve Baker’s talk, “Agriculture is About to Get Very Small,” at Clemson on May 18, 1998, go to http://hubcap.clemson.edu/scafrs/seminar.html. Baker is a division head at AgriBank. He believes that we are on the verge of a new revolution in the structure of agriculture.