

James Pease
Professor, Agricultural Economics
Department of Agricultural & Applied Economics, Virginia Tech

Education

1986 Michigan State University Ph.D

1980 University of Wisconsin M.A.

1971 Iowa State University B.Sc.

Positions

2005 - Professor, Dept. of Agricultural & Applied Economics, Virginia Tech

1994 - 2005 Associate Professor, Dept. of Agricultural & Applied Economics

1988 - 1994 Assistant Professor, Dept. of Agricultural Economics, Virginia Tech

1986 - 1988 Assistant Professor, Dept. of Agricultural Economics and Rural Sociology, The
Pennsylvania State University

Responsibilities

My responsibilities are: 1) environmental economics extension and applied research, 2) rural development extension and applied research, and 3) agricultural policy education and extension. My work in environmental economics includes applied research and education outreach publications, professional sessions, web sites, and presentations, most of which concern the economics of water quality protection at the farm, watershed or regional scale. My rural development extension program involves community and regional economic development analysis and outreach, economic impact analysis, regional economic analysis, and industrial development of bioenergy. My agricultural policy responsibilities include outreach education efforts concerning farm policy and other state/federal policy affecting farmers, as well as teaching an undergraduate class in food and agricultural policy.

Textbook

Novak, James L., James Pease and Larry Sanders (2015). *Agricultural Policy in the United States: Evolution and Economics*. London: Routledge.

Publications (selected)

Ferraro, Nathaniel, Darrell Bosch, James Pease, and James S. Owen, Jr. (2016). *Costs of Capture and Recycling Irrigation Water in Mid-Atlantic Container Nurseries*. HortScience (in review).

Cao, Xiang, Darrell Bosch and James Pease. (2016). *Recycling Irrigation Water on Ornamental Nursery Operations: Will Consumer Premiums Compensate Growers' Costs?* HortScience (in review).

Cultice, A., Bosch, D.J., Pease, J.W., Boyle, K.J. And Xu, W. (2016) 'Horticultural Growers' Willingness to Adopt Recycling of Irrigation Water', *Journal of Agricultural and Applied Economics*, 48(1), pp. 99–118. doi: 10.1017/aae.2016.2.

Lubben, B. and J. Pease (2014). Conservation and the Agricultural Act of 2014. *Choices* 2nd Quarter 2014 • 29(2).

Bosch, D., J. Pease, R. Wieland, and D. Parker (2013). Perverse Incentives with Pay for Performance: Cover Crops in the Chesapeake Bay Watershed. *Agricultural and Resource Economics Review* 42(3): 491-507.

Bosch D., J. Pease, M. Wolfe, C. Zobel, J. Osorio Leyton*, T. Denckla-Cobb, G. Evanylo. 2012. "Community DECISIONS: Stakeholder Focused Watershed Planning", 112: 226-232. *Journal of Environmental Management*.

Arnette, A., C. Zobel, D. Bosch, J. Pease, T. Metcalfe. 2010. "Stakeholder ranking of watershed goals with the vector analytic hierarchy process: Effects of participant grouping scenarios". *Environmental Modeling & Software* 25(11):1459-1469

Other Publications (selected)

Pease, J. J. Orogo, R. Maguire. April 2012. Evaluating Net Benefits/Impact of a Shenandoah Valley Poultry Litter to Energy Power Plant, report to Virginia Department of Environmental Quality, Contract Number 15326.

Pease J., D. Wooddall-Gainey, B. Carroll, J. Chambers. 2012. Nutrient Budgets for the Mid-Atlantic States. <http://www.mawaterquality.agecon.vt.edu/>

Extramural Competitive Funding (selected)

Benfeldt, Eric (CSES), Callan, Peter L., Harpole, Douglas N., Iden, Charles W., Ignosh, John P., Love, Kenner P., Marston, Cynthia D., Mize, Timothy A., Morgan, Kimberly , Niewolny, Kimberly L., Ohlwiler, Timothy , Pease, James W. and Anna Mary Roberts (WSI). "Water, Food and Farm Commons: Collectively Improving Watershed Health and Nutrient Pollution across the Shenandoah and Rappahannock River Basins", AAEC sub-budget \$22,523, Dec 1, 2013 - Nov 30, 2016.

Hong, C., W. Copes, J. Pease, B. Vinatzer, D. Bosch, D. Ross, B. Carroll, J. Lea-Cox, M. Stanghellini, P. Kong, K. Boyle, G. Moorman. 2010-2015. Integrated Management of Zoospore Pathogens and Irrigation Water Quality for a Sustainable Green Industry, grantor USDA/NIFA \$2,729,649.

Pease, J., H. Boyd, D. Bosch, M. Wolfe, J. Ogejo, C. Zobel, K. Knowlton, G. Evanylo. 2007-2010. Community DECISIONS: Community Decision Support for Integrated, On-the-ground Nutrient Reduction Strategies for watershed nutrient planning and management, grantor USDA/CSREES \$596,000.

Cooperative Extension Projects (selected)

Stronger Economies Together (2015-2016), with Martha Walker, the Southern Region Rural Development Center and USDA Rural Development. The purpose of SET is to strengthen the capacity of rural Virginia regions to develop and implement an economic development blueprint that strategically builds on the current and emerging economic strengths of their region. The SET process has occurred or is occurring in 28 states across the U.S., and was successfully implemented in Planning District 22 (Eastern Shore), Planning District 3 (Mount Rogers), and Planning District 7 (Northern Shenandoah Valley).

2014 Farm Bill Education (2015), with Peter Callan, supported by USDA Farm Services Agency. The 2014 Farm Bill dramatically changed commodity support programs available for Virginia dairy and field crop producers. USDA rules to implement the new law became available only in late 2014, and farmers were faced with a one-time commodity program choice that would affect their farms during 2014-2018. In early 2015, VCE agents and I developed plans for a series of farmer meetings and one-on-one training that would fulfill the needs of the farmer and landowner communities. Twelve meetings were organized by VCE agents in which I and USDA/FSA partners presented detailed explanations of farm programs and related choices. In total, 12 extension educational meetings were conducted with 589 participants on Farm Bill choices to be made by Virginia Producers. In addition, 43 producers and partnerships received one-on-one decision assistance in estimating financial impacts of alternative choices on their operations.

Science and Technical Advisory Committee, Chesapeake Bay Program (2005-2013). The Scientific and Technical Advisory Committee (STAC) provides scientific and technical analysis and review for the Chesapeake Bay Program on measures to restore and protect the Chesapeake Bay. As a Committee member and later an Executive Board member, I contributed my expertise in the economics of water quality protection, and organized multiple conferences concerning the agricultural sector's impacts on the Chesapeake Bay.