

# CURRICULUM VITA

Richard D. Coffey

## EDUCATIONAL BACKGROUND

Ph.D. in Swine Nutrition with minor in Biochemistry, University of Kentucky, 1994. **Dissertation:** The biological availability of phosphorus in various feed ingredients for pigs and chicks. Major Professor, Dr. Gary L. Cromwell.

M.S. in Swine Nutrition, Oklahoma State University, 1990. **Thesis:** Utilization of proteins of various sources by the early-weaned pig. Major Professor, Dr. Charles Maxwell, Jr.

B.S. in Animal Science (Production Option), Oklahoma State University, 1986.

## WORK EXPERIENCE

### Head (100% administrative appointment)

July 2022-Present

Oklahoma State University

Department of Animal and Food Sciences

Responsible for providing leadership in planning, developing, integrating, and implementing departmental programs in teaching, research, and extension. Responsible for managing the department's human resources that include 28 faculty, 28 support staff, and more than 80 student employees. Provide overall management and fiscal oversight of annual operating budget of approximately \$9.2 million (includes budget allocations, endowments, and revenue from animal units) and grants and contracts over \$4.7 million. Provide oversight and ensure proper administration for the instructional efforts for the department's more than 1500 undergraduate students and approximately graduate 60 graduate students. Provide administrative oversight for department's classrooms, research laboratories, Feed Mill, Totusek Arena, and animal units (Bluestem Research Range, Range Cow Research Center, Wheat Pasture Stocker Unit, Purebred Beef Center, Willard Sparks Beef Feedlot Center, Equine Teaching Center, Dairy Center, Sheep and Goat Center, Swine Research and Teaching Center). Lead the department's philanthropic efforts, work closely with the Animal Science Alumni Association, and serve as an advocate for the department with college and university administration and as a conduit for interaction with industry, external stakeholders, and alumni.

### Chair (100% administrative appointment)

February 2015-June 2022

University of Kentucky

Department of Animal and Food Sciences

Responsible for leadership and administrative oversight of the department's Land Grant missions of teaching, outreach, and research. Responsible for supervisory oversight and evaluation of the department's 33 faculty and 56 professional and support staff. Provide overall management and fiscal oversight of annual operating budget of approximately \$10.3 million, average annual grants and contracts exceeding \$4.3 million, and average annual gifts supporting research and outreach activities exceeding \$0.6 million. Provide oversight and ensure proper administration for the department's undergraduate (288 Animal Science, 297 Equine Science and Management, and 28 Food Science majors) and graduate (45 graduate students) instructional efforts. Provide management and fiscal oversight of department resources including all animal and support units (two beef units, dairy unit, equine unit, meats laboratory, poultry unit, sheep unit, swine unit), and serve as an advocate for the department with college and university administration and as a conduit for interaction with industry, external stakeholders, and alumni.

**Director (50% administrative appointment)**  
July 2012-January 2015

UK Research and Education Center (UKREC)  
College of Agriculture, Food and Environment

Responsible for oversight and management of UKREC's approximately \$1.5 million budget and supervision of UKREC's 20 support personnel (five Staff Support Associates, Administrative Business Officer, Farm Superintendent, Farm Manager, Eight Member Farm Crew, Building Operations Superintendent, Two Member Building Maintenance Crew, and IT Support Specialist). Provided oversight of all facilities, equipment, and land that comprise the UKREC. Facilitated and supported the efforts of faculty and professional staff in establishing innovative research, demonstration, and outreach projects. Provided leadership in developing a team-oriented, mission-centered agenda for UKREC to meet research and outreach needs. Worked with College administration and other leadership personnel to effectively represent the interests of the UKREC to stakeholders in the community, the region and the state. Coordinated with Fleet Services to maintain a functioning mechanic shop and Motor Pool at UKREC.

**Assistant/Associate/Full Extension Professor**  
Professor: July 2007-February 2015  
Associate Professor: July 2000-July 2007  
Assistant Professor: May 1994-July 2000

University of Kentucky  
Department of Animal and Food Sciences

Developed Extension programs and provided educational opportunities designed to improve the sustainability and profitability of Kentucky's swine operations. Included helping producers, and those aiding producers, implement those production practices and management strategies that utilize their unique resources of land, labor, management, and capital and meets their personal goals without sacrificing environmental integrity and societal well-being. Responsible for youth swine programs and provided leadership and coordination for statewide youth livestock programs through my role as the department's Youth Programs Coordinator.

**Senior Research Analyst**  
August 1990-May 1994

University of Kentucky  
Department of Animal and Food Sciences

Responsible for designing, implementing and conducting research projects related to phosphorus availability in feedstuffs for growing pigs and chicks, copper as a growth promotant for weanling pigs, spray-dried porcine plasma as a protein source for weanling pigs, and the efficacy of phytase in improving phytate phosphorus availability in diets for pigs. Also contributed to research dealing with ractopamine, porcine somatotropin, chromium picolinate, lysine levels for sows, iron sources for baby pigs, and various vitamins and minerals for pigs at various stages of growth. Additional experience includes data analysis, laboratory analysis, and carcass data collection.

**Assistant Swine Herdsman**  
August 1986-August 1990

Oklahoma State University  
Animal Science Department

Assisted in the management of a 130-sow farrow-to-finish swine operation and supervision of 5-8 part-time student employees. Responsible for remodeling of swine facilities, collection and processing of semen used in artificial insemination program, serving as an instructor at numerous Extension and educational related activities, and collecting data for research projects.

**Part-Time Student Employee**  
August 1983-August 1986

Oklahoma State University  
Animal Science Department

Student employee at the department's research and teaching swine farm. Involved in all areas related to the day-to-day care of swine and in maintenance and construction of facilities.

**Concrete Finisher**  
Summers of 1975-1981

Krieg and Coffey Concrete Contractors  
Jones, OK

Concrete finisher involved in all areas of residential and commercial concrete construction including grading, form setting, and pouring and finishing concrete.

## **SIGNIFICANT ADMINISTRATIVE ACTIVITIES AS HEAD OF DEPARTMENT OF ANIMAL AND FOOD SCIENCES AT OKLAHOMA STATE UNIVERSITY (July 2022-Present)**

### **Budget**

- Successfully managed and provided oversight for annual operating budget of approximately \$9.2 million (includes budget allocations, endowments, and revenue from animal units) and grants and contracts over \$4.7 million.
- Negotiated as part of hire an additional \$300,000 of recurring operating funds for management of the department's animal units from central OSU administration.
- Spent significant time over these first few months traveling throughout Oklahoma and surrounding states with OSU Foundation personnel meeting with alumni and stakeholders to develop relationships, share the department's philanthropic funding priorities, and lay the groundwork for future fund-raising campaigns.
- Successfully worked with donors, faculty, and/or the OSU Foundation to secure the following donations and gifts:
  - 15-passenger van (\$70,000 value) for use by the Equine Judging Team and other equine educational activities.
  - Horse trailer for use by the Ranch Horse Team (\$15,500 value).
  - Funding for a graduate student Assistant Manager at the Charles and Linda Cline Equine Teaching Center (\$25,000 annually).
  - \$25,000 scholarship endowment.
  - Free-of-charge 1-year lease of a 5075E John Deere tractor and loader ((\$60,343 value).
  - Approximately \$50,000 in funding for endowments associated with department's animal units.
  - Approximately \$250,000 in in-kind support as a part of the department's Major Sponsor Program supporting the animal units.
- Worked with OSU Athletics to restructure agreement for use of the Totusek Arena by the OSU Equestrian Team to cover costs associated with use of the facility.

### **Personnel**

- Supervisory oversight and evaluation of the department's 28 faculty, 28 support staff, and more than 80 student employees.
- Negotiated as part of hire six new faculty positions (three from President Kayce Shrum and three from DASNR) to fill in my first three years as Department Head at OSU.
  - Spent significant time meeting with faculty to determine the highest priority teaching, research, and outreach needs to guide the hiring of the six new faculty positions.
- Advertised and hired three new faculty members (one Assistant Extension Specialist, one Assistant Professor of Animal Science, and one Senior Extension Specialist) and four staff positions (one Senior Administrative Support Specialist, one Herd Manager, one Assistant Herd Manager, and one Grants Accountant).
- Currently advertising for three new faculty positions.
- Compiled and submitted Reappointment, Promotion and Tenure, or Promotion Dossiers for five faculty members.
- Compiled and submitted a Regents Professor nomination packet for one faculty member.

### **Facilities/Infrastructure**

- Worked with DASNR to convert two underutilized research labs in the Animal Science Building into a large hands-on teaching lab.
- Replaced detector in x-ray fluorescence machine used for mineral and digestibility marker analysis.
- Purchased new Ankom Fiber Analyzer for use by department research faculty.
- Remodel of bathroom in Swine Teaching and Education Center Unit Manager's house.
- New backflow preventer in milking parlor at the Ferguson Family Dairy Center.
- Purchased new 2,000-gallon milk tank system for the Ferguson Family Dairy Center.

- New ladder system for accessing storage bins at the Feed Mill.
- New paddock fencing at Purebred Beef Center.
- Complete refurbish of Roto Mix mixer used at Willard Sparks Beef Research Center.
- New lease of a telehandler for use at the Willard Sparks Beef Research Center.
- Engine overhaul for skid steer used at the Willard Sparks Beef Research Center.
- New fencing for 200 acres of rangeland at the South Range Cow Research Center.

### **Operations**

- Conducted evaluations of budgets and management/operating procedures for the department's feed mill and nine animal units to identify opportunities for cost, operating, and cropping efficiencies to improve financial sustainability.
- Established a working group of seven alumni that are leading experts in feedlot management who are working with me to conduct a thorough evaluation and review of operations at the Willard Sparks Beef Research Center to make recommendations to improve operations and develop a strategy to improve the financial sustainability of this resource.
- Established a committee of Faculty Unit Supervisors to help conduct a review of feed mixing capability needs to support the department's animal units and research needs with a goal of determining the type of facility that will need to be constructed to replace the old and outdated Feed Mill.
- Traveled to Kagoshima University (Kagoshima, Japan) with a key Food Science faculty member to discuss a new 5-year agreement for an Inter-University Exchange Program between the OSU Department of Animal and Food Sciences, Kagoshima University, and Mae Fah Luang University (Thailand).
- Restructured the department's Awards Committee and established procedures for faculty, alumni, and other stakeholders to submit nominations for departmental awards.
- Worked with the department's faculty to eliminate non-functioning committees, establish new committees that are needed to assist with department functions, and develop clear roles of committees and how/when committee members are appointed or elected.
- Currently working with the department's Reappointment, Promotion, and Tenure Committee to develop guidelines for faculty to use when developing their career curriculum vitae and annual appraisal and development documents.

### **Outreach/Advocacy/Industry Relations**

- Serve on Board of Directors for American Society of Animal Science (2019-2022).
- Serve on Management Committee for National 4-H Livestock Judging, Skillathon, and Quiz Bowl Contests (2017-present).
- Serve as ex-officio member of the Animal Science Alumni Association.
- Participated in the "Meet the New Department Head" Animal Science Alumni Association Tailgate.
- Serve on Board of Directors Advisory Committee for Oklahoma Youth Expo (2022-Present).
- Represented department at various commodity and stakeholder group meetings (Oklahoma Cattlemen's Association Annual Meeting, Oklahoma Pork Congress Annual Meeting, Oklahoma Farm Bureau Annual Meeting, National Beef Cattlemen's Association Convention and Tradeshow), Oklahoma Association of Extension Ag Educators Annual Meeting, North American International Livestock Exposition, Tulsa State Fair, Oklahoma Youth Expo, Big 3 Field Days, Cimarron Classic Judging Contest, several prominent livestock sales, and a variety of Extension activities throughout the state.
- Help organize and host the Animal and Food Sciences Scholarship and Awards Banquet.
- In coordination with the Animal Science Alumni Association host the annual Animal Science Gala Reunion.
- In coordination with the department's beef cattle Extension and research faculty host biannually the Beef Advisory Committee.

## **SIGNIFICANT ADMINISTRATIVE ACTIVITIES AS CHAIR OF DEPARTMENT OF ANIMAL AND FOOD SCIENCES AT UNIVERSITY OF KENTUCKY (February 2015-June 2022)**

### **Budget**

- Successfully managed and provided oversight for approximately \$10.3 million annual budget, average annual grants and contracts exceeding \$4.3 million, and average annual gifts supporting research and outreach activities exceeding \$0.6 million.
- Successfully worked with an industry company to secure a \$2 million gift for the office/lab/harvest facility associated with the department's new Poultry Unit.
- Successfully worked with an industry company to create an externally funded Research Title Series faculty position (annual funds of \$108,630 for faculty salary plus benefits, approximately \$55,000 in post-doctoral salary plus benefits, and \$50,000 in operating funds). Total funding to during my tenure was approximately \$1.18 million.
- Successfully worked with a donor and the college's Office of Philanthropy and Alumni to secure a \$3.1 million gift to establish the Demp Alford Scholarship Endowment that provides full tuition scholarships for undergraduate and graduate students in Food Science.
- Worked with college administration and the college's Office of Philanthropy and Alumni to successfully secure a \$6.8 million gift to construct and maintain a teaching classroom/restroom facility at the department's Equine Unit, and to address long term facility needs at the Equine Unit.
- Successfully renegotiated and signed a new 5-year UK-Alltech Research Alliance at the Poultry Unit that brings approximately \$525,000 annually to support poultry research, train graduate students, and operate the Poultry Unit.
- Worked with college and the University of Kentucky Physical Plant Division (UKPPD) to repair and bring the department's 23 walk-in freezers and coolers in Garrigus Building into good working order (at a cost of approximately \$150,000 split between the department and college), and then successfully negotiated with UKPPD to transfer responsibility for maintenance and upkeep of these units to UKPPD. This resulted in annual savings to the department of approximately \$50,000 annually.
- Successfully work with a commodity organization to secure \$30,000 in funding to purchase inventory tracking software/equipment and meat display freezers in Meats Lab/Butcher Shop.
- Successfully petitioned and received an average of 13 Dean's Tuition Scholarships annually from the Graduate School to support graduate student tuition, a total annual value of approximately \$168,000.
- Developed and now maintain an approximately \$500,000 budget surplus to use for unexpected expenditures and to balance the department's animal unit budget when animal unit revenues are depressed and/or animal unit expenses are high.

### **Personnel**

- Supervisory oversight and evaluation of the department's 33 faculty and 56 professional and support staff.
- Advertised and hired six new faculty members (two Lecturers, two Regular Title Series, one Extension Title Series, one Research Title Series), two Academic Coordinators (one for Pre-Vet advising, and one for Food Science advising), and an Extension Associate for Youth Livestock Programs.
- Appointed six new Adjunct faculty.
- Successfully worked with college administration, Veterinary Science, and the department's faculty on the transfer of a DVM faculty member from Veterinary Science to Animal and Food Sciences.
- 2-year review of progress towards Promotion and Tenure for three faculty members, and 4-year review of progress towards Promotion and Tenure for four faculty members.
- Hired a New Extension Associate for Youth Livestock Programs and expanded responsibilities to include providing oversight of Collegiate Livestock Judging Program, mentoring the Graduate

Student Coach of the team, and worked with this individual to begin an aggressive fund-raising campaign to begin making the program self-sustaining.

- Compiled and submitted the Promotion and Tenure or Promotion Dossiers for seven faculty (all were successful).
- Developed Associate Chair position in department by giving a faculty member a partial administrative appointment to aid with routine, day-to-day AFS Business Office functions.
- Upgraded the department's Business Officer position and hired an extremely talented individual to work with the Chair in providing leadership for the department's Business Office.
- Developed an Advisory Council of elected faculty to aid/counsel to the Chair in managing and operating the department.

### **Facilities/Infrastructure**

- New Poultry Unit is currently under construction.
- Currently developing facility plans to relocate the department's Dairy Unit.
- Provide management and fiscal oversight of department resources including all animal and support units (two beef units, dairy unit, equine unit, meats laboratory, poultry unit, sheep unit, swine unit). Combined expenditures (not including labor) and revenue for these units last fiscal year were approximately \$3.5 million and \$3.5 million, respectively.
- Oversaw completion and grand opening of new Dairy Housing, Teaching and Research Facility at the Dairy Unit (2015).
- Oversaw completion and grand opening of new departmental Feed Mill at the C.O. Little Research Center (2015).
- Oversaw development, completion and grand opening of new Pirri Teaching Smart Classroom at the Equine Unit (2018).
- Important facility and equipment maintenance/upgrades include:
  - Garrigus Building – new AD200 keypad entry doorknobs with key override locks in Animal and Meat Labs; new T-slats and gating/penning in small animal research room; new nitrogen analyzer; establishment of video recording room to facilitate online instructional efforts
  - Garrigus Analytical Labs – ultra-cold freezer; solvent extractor; nitrogen analyzer; microplate reader; PCR workstation; interfacial tensiometer; freeze drier
  - Meats Lab – new equipment and software to allow electronic inventory tracking of meat products entering and leaving the Meats Lab; new meat display freezers
  - Sheep Unit – new gutters on main housing/handling facility; new Kubota mule
  - LRC Beef Unit – new windows in Manager's residence, replacement of walk-in freezer; replaced furnace in Assistant Managers residence; replaced chains on chain drag conveyors at Beef Unit Nutrition Center; new epoxy coating to stalls in Intensive Research building; walk-in freezer; compressors for walk-in coolers; roof for Manager's house; windows for Manager's house
  - Poultry Unit – replacement of HVAC unit, new exterior doors; scale; incinerator; incubator/hatcher
  - Dairy Unit – new roadway accessing compost bedded-pack barn, remodeling and upgrades of upper free-stall barn to enhance research efforts, feed bunk construction for better dry cow management, expansion of electronic calf-feeding capabilities to enhance research efforts, painting of several facilities to enhance aesthetics; new Kubota skid steer; manure dump wagon; manure compost turner; dry cow feed bunk; electronic calf-feeding system
  - Swine Unit – new furnace at swine worker's house, new furnace/AC system at Swine Unit headquarters facility, PTO generator hook-ups (headquarters/farrowing complex, nursery complex, finishing complex); new penning for nursery and grower-finisher units; new flooring for nursery and farrowing units; new heaters for nursery and farrowing units; new lift farrowing crates; replaced roof on employee house; removed/replaced deteriorating ventilation exhaust stacks on all buildings; new ultrasound; new forklift
  - UKREC Beef Unit – construction of new Calan gate facility to expand research capabilities, redesign of 12-acre paddock (reseeding with high endophyte infected and endophyte free fescue, new fencing, new waterers) area to enhance research capabilities; new gooseneck

- trailer; new cutter/baler to aid in transition to a fully forage-based diet for cow herd; new hay grinder/mixer; new silage unloader; new perimeter and interior fencing
- Horse Unit – completed construction of the new classroom/restroom facility, developed new isolation paddock, completed remodel foaling center, new fencing for several paddocks; new Kubota mule; new pickup; new equipment storage shed
- Feed Mill – modifications to the design and layout of the hammer and roller mills to alleviate the significant feed spillage occurring when corn is ground; 10 new IBCs for feed transport/storage; new Kwik Kleen grain cleaner
- Secured house from Facilities Management for use by dairy students to help with meeting milking demands at Dairy Unit.

## Operations

- Worked with department's teaching faculty/staff to move all courses being taught in Spring and Fall 2020 to an online/remote platform in response to COVID-19.
- Currently leading negotiations to develop a collaboration with Eastern Kentucky University that would merge our two Dairy Units into a single unit that will be shared between the two universities.
- Led departmental team on visit to Inner Mongolia Agricultural University (IMAU) in Hohhot, China for initial negotiations about developing a 2+2 agreement with IMAU that will allow undergraduate students from IMAU to complete their final two years of study in Animal and Food Sciences at UK and for developing graduate student exchanges.
- Led departmental team on visit to Shandong Agricultural University (SDAU) in Taian, China for negotiations that resulted in a signed 2+2 agreement (that will allow undergraduate students from SDAU to complete their final two years of study in Animal and Food Sciences at UK) and agreements that will enhance graduate student exchanges.
- Developed and hosted 14 graduate students from Shandong Agricultural University (SDAU; Taian, China) on a 3-week study trip to UK as a part of the recently signed collaborative agreement with SDAU.
- Led development of department's Self-Study documents and led the on-site Program Review.
- In final stages of redesigning the department's undergraduate Food Science degree program. The new degree program will incorporate three study tracks students can take ([1] Distillation, Fermentation and Beverage Sciences, [2] Food Business Management, and [3] Research and Development]) to enhance recruitment of a new demographic of student into the Food Science program.
- Worked with the department's Curriculum Committee and the instructors of record to move two courses (ASC 205 Career Development for Animal Sciences and ASC 399 Experiential Learning in Animal Sciences) to an online platform.
- Worked with department's Curriculum Committee and Kentucky Cattlemen's Association to develop an internship program for students at "The Yards" in the new Bluegrass Stockyards.
- Oversight and administration of the department's undergraduate (typical annual enrollments of 300 Animal Science, 300 Equine Science and Management, and 25 Food Science majors) and graduate (45 graduate students) instructional efforts.
- Performed complete review of departmental Business Office procedures to identify areas for improvement and efficiency of completing business tasks. Resulted in restructuring and reassigning of tasks amongst Business Office staff.
- Worked with department's faculty to reinstitute a more active committee structure to help with departmental functions.
- Worked with faculty to completely rework and simplify the Rules of Procedure that govern how the department operates.
- Worked with AFS Curriculum Committee to simplify how undergraduate students meet their Academic Enrichment Experience requirement.
- Restructured undergraduate advising in the department to include more faculty advisors to lessen the advising burden on Academic Coordinators. Hired two additional Academic Advisors (one each for Pre-Veterinary Advising and Food Science Advising). Had in place an Academic Coordinator for Animal Science.

- Completed curriculum review and curriculum mapping for Equine Science and Management undergraduate degree program.
- Worked with department and college Business Offices to develop a streamlined process for PIs and Lab Techs to use when making online purchases from university-preferred vendors (VWR, Fischer Scientific, Ricoh, etc.).
- Worked with each of the department's seven Animal Units and the Garrigus Animal Lab to develop IACUC Animal Housing Facility Animal Care and Use Program Descriptions.
- Developed several new policies/procedures/forms to improve departmental operations and (or) ensure compliance with college and university regulations and guidelines:
  - Procard policies and forms – AFS Procard Policy, AFS Procard Voucher Form, AFS Delegation of Signing Authority, AFS Policy on Annual Preapproval for Recurring Procard Charges
  - AFS Policy on In-State and Out-of-State Travel and AFS Pre-Travel Form
  - AFS Ground Transportation Reimbursement Policy
  - AFS Airline Flight Comparison Policy
  - AFS Business Office and Staff Support Associate Responsibilities
  - AFS Check/Cash Handling Policy and Procedures
  - AFS Student Accident Reporting Policy and Procedures
  - AFS Policy for Appointing and Reappointing Adjunct faculty

### **Outreach/Advocacy/Industry Relations**

- Serve on Board of Directors for American Society of Animal Science (2019-2022)
- Serve on Management Committee for National 4-H Livestock Judging, Skillathon, and Quiz Bowl Contests (2017-present)
- Serve on Executive Boards/Advisory Boards:
  - Kentucky Cattlemen's Association
  - Kentucky Pork Producers Association
  - Kentucky Dairy Development Council
  - Kentucky Poultry Federation
  - Sheep and Goat Producers Association
  - Kentucky Farm Bureau Advisory Boards for Beef Cattle, Dairy Cattle, Swine, Sheep, Goats, Equine, Poultry
  - Kentucky Livestock Coalition
  - North American International Livestock Exposition Swine Show
  - Management Committee for National 4-H Livestock Contests (Livestock Judging, Livestock Skillathon, Livestock Quiz Bowl).
- Represented department at various commodity group meetings (Kentucky Pork Producers Association, Kentucky Cattlemen's Association, Kentucky Dairy Development Council, Kentucky Poultry Federation, Sheep and Goat Producers Association, Kentucky Farm Bureau Advisory Committees, Sheep Profit Day, Small Ruminant Conference, Kentucky Dairy Partners Meeting, Kentucky Farm Bureau Annual Meeting, Kentucky State Fair, North American International Livestock Exposition, and numerous youth/collegiate banquets, shows, awards programs, and Extension activities throughout the state.
- Help organize and host the annual Animal Sciences Reunion.
- In coordination with college administration and dairy faculty/staff, hosted Dannon Forum at University of Kentucky.
- In coordination with Beef Extension Group, helped organize and host the annual Beef Bash (alternate locations between the UKREC Beef Unit in Princeton, KY, and the LRC Beef Unit in Versailles, KY).



# **SIGNIFICANT ADMINISTRATIVE ACTIVITIES AS UNIVERSITY OF KENTUCKY RESEARCH AND EDUCATION DIRECTOR (July 2012-January 2015)**

## **Budget**

- Successfully managed approximately \$1.5 million annual budget.
- Renegotiated UKREC copier contract with Xerox and realized \$9,000 annual savings.
- Renegotiated and restructured UKREC contract with Aramark for rugs, soap, shop towels, and Farm Crew uniforms (stopped renting uniforms and purchased) and realized \$5,000 annual savings.
- Negotiated lease with Case IH on largest tractor used at UKKREC (rather than renew the lease for this tractor with John Deere) and realized \$3,000 annual savings.
- Arranged an FEPP and UK Surplus auction to dispose of unneeded equipment and items that resulted in \$9,000 income.

## **Personnel**

- Supervision of UKREC's 20 support personnel (five Staff Support Associates, Administrative Business Officer, Farm Superintendent, Farm Manager, eight member Farm Crew, Building Operations Superintendent, two Member Building Maintenance Crew, and IT Support Specialist).
- Advertised and filled three key positions (Mechanic, Carpenter, and Farm Tech) with outstanding individuals in a manner that resulted in no net change to the budget.
- To assist the Business Officer with keeping up with all business functions in a timely manner, I upgraded the position for one of the Staff Support Associates to include responsibilities related to the business functions of UKREC. This greatly enhanced the timeliness of payment to vendors, assured proper documentation and entry of procurement card purchases, and provided much needed assistance to the UKREC Business Officer.
- Reorganized and restructured the responsibilities of the three Staff Support Associates to best meet the needs of the UKREC faculty and staff.

## **Facilities**

- Coordinated improvements/updates to several UKREC structures including: (1) putting metal siding and roof on old swine farrowing barn and converted interior to a carpenter's shop and storage area, (2) placed metal roof and gutters on house occupied by UKREC Carpenter, (3) replaced air conditioning unit on house occupied UKREC Heavy Equipment Operator, and (4) put metal roof and new heat/air unit on Animal and Food Sciences house [funding provided by Animal and Food Sciences].
- Oversight of construction and opening of a new dark-fired tobacco barn.
- Oversight for the construction and opening of the new Crops Greenhouse to enhance research efforts in the grain crops area. This facility was funded by a \$250,000 grant from the KY Ag Development Fund with matching funds from the Kentucky Corn Growers Association and Kentucky Soybean Board.
- Oversight of remodeling an existing house at UKREC for use as a Graduate Student House that students can stay in when traveling from main campus to UKREC for research activities. This involved putting in place the structure to recover costs from departments that utilize the Graduate Student House and refining the policy governing usage of the house to encourage more use of this resource.

## **Infrastructure/Equipment**

- Secured approximately \$50,000 in funding to upgrade the T1 lines at UKREC to improve IT capabilities.
- Successfully worked with University of Kentucky Information Technology Services to begin the process of installing fiber-optic network lines to UKREC to increase bandwidth from 8 to 100 mb at no cost to UKREC.
- Coordinated the purchase of the approximately 8.8 acre Catlett Tract.

- Provided leadership for the initial planning and development of the UKREC Grain and Forage Center of Excellence that included planning for expansion of facilities at UKREC and purchase of the Kevil tract (≈ 300 acres).
- Secured several pieces of FEPP equipment (dump truck, a semi-truck, a telehandler, backhoe, small dozer, concrete mixer, and storage containers) for use with operations at UKREC.
- Secured \$3,000 in funding to purchase a new disk for farm and research use at UKREC.
- Purchased new furniture for the lobby area of the main building, two of the small conference rooms in the main building, and the employee break room in the main building to replaced old and worn furniture in these areas.
- Purchased and installed a new wireless microphone system (includes both a wireless lapel microphone and hand-held microphone) for use in the large conference room area of the main building.
- Purchased new poster printer.

## Operations

- Worked with the Farm Superintendent to move all farm field records to the commercially available software Farm Logic to assist with both accuracy and access to field records (tillage, fertilization, crops grown, etc.).
- Updated the Agriculture Water Quality Plan for UKREC.
- Developed and implemented a new Minor Equipment Policy for better accountability of minor equipment purchased for use at UKREC.
- Developed and implemented an electronic work order request process to assist the timeliness and transparency of work orders that go through the Mechanic Shop.
- Worked with faculty and professional staff to offer more focused field days (Corn-Soybean-Tobacco Field Day, Wheat Field Day, Horticulture Field Day, and Beef Bash) to meet the needs of clientele.

## PUBLICATIONS

### Reviewed and Numbered Extension Publications (15):

1. **Coffey, R.** and P. Vincelli. 2008 (revision). Commercially Available Test Kits for the Detection of Mycotoxins in Corn and Other Grain, PPFS-AG-C-03.
2. **Coffey, R.** and Culp, III, K. 2007. Livestock Volunteer Certification Resource Manual: Swine.
3. Culp, III, K., Rentfrow, G., **Coffey, R.**, Mikel, B., Douglas, K., Harper, V. & Turley, R. 2007. Livestock Volunteer Certification Resource Manual: Country Ham.
4. Laurent, K. and **R. Coffey**. 2004. Judging Performance Classes, ASC-167.
5. Laurent, K., A. Arnett, and **R. Coffey**. 2004. Preparing and Giving Oral Reasons, ASC-166.
6. Harper, A.F., **R.D. Coffey**, G.R. Hollis, D.C. Mahan, J.S. Radcliffe. 2002. Swine Diets, PIH-23.
7. **Coffey, R.**, G. Parker, D. Overhults, and K. Laurent. 2000. Sampling Animal Manure, ID-148.
8. **Coffey, R.**, G. Parker, and K. Laurent. 1999. Assessing Sow Body Condition, ASC-158.
9. **Coffey, R.**, R. Bowman, L. Anderson, J. Cocanougher, B. Crist, R. Fleming, K. Henken, J. Johnson, R. Mitchell, D. Overhults, T. Pescatore, M. Rasnake, S. Samson, and B. Thom (Animal Waste Focus Group). 1999. Assessment of the Potential for Livestock and Poultry Manure to Provide the Nutrients Removed by Crops and Forages in Kentucky, IP-56.
10. **Coffey, R.**, R. Bowman, L. Anderson, J. Cocanougher, B. Crist, R. Fleming, K. Henken, J. Johnson, R. Mitchell, D. Overhults, T. Pescatore, M. Rasnake, S. Samson, and B. Thom (Animal Waste Focus Group). 1999. Potential for Livestock and Poultry Manure to Provide the Nutrients Removed by Crops and Forages in Kentucky, IP-57.
11. **Coffey, R.**, D. Bullock, G. Parker, and K. Laurent. 1998. Boar Selection - Using Expected Progeny Differences (EPDs), ASC-153.

12. **Coffey, R.D.**, G.R. Parker, and K.M. Laurent. 1997. Manipulation of the Estrous Cycle in Swine, ASC-152.
13. **Coffey, R.D.**, G.R. Parker, and K.M. Laurent. 1995. Feeding and Managing the Weanling Pig, ASC-149.
14. **Coffey, R.D.**, G.R. Parker, and K.M. Laurent. 1995. Management of Swine Mating, ASC-148.
15. **Coffey, R.D.**, G.R. Parker, and K.M. Laurent. 1995. Feeding Growing-Finishing Pigs to Maximize Lean Growth Rate, ASC-147.

#### **Refereed Journal Articles (10):**

1. Cromwell, G.L., M.D. Lindemann, J.H. Randolph, G.R. Parker, **R.D. Coffey**, K.M. Laurent, E.P. Stanisiewski, and G.F. Hartnell. 2002. Soybean meal from Roundup Ready® or conventional soybeans in diets for growing-finishing swine. *J. Anim. Sci.* 80:708.
2. **Coffey, R.D.** and G.L. Cromwell. 2001. Use of spray-dried animal plasma in diets for weanling pigs. *Pig News and Information* 22(2):39N.
3. Cromwell, G.L., **R.D. Coffey**, G.R. Parker, H.J. Monegue, and J.H. Randolph. 1995. Efficacy of a recombinant-derived phytase in improving the bioavailability of phosphorus in corn-soybean meal diets for pigs. *J. Anim. Sci.* 73:2000.
4. Turner, L.W., T.C. Bridges, **R.D. Coffey**, R.S. Gates, G.R. Parker, T.M. Brown-Brandl, and D.G. Overhults. 1998. Comparison of observed and simulated grow-finish swine performance under summer conditions. *J. Applied Eng. In Agr.* 14(4):419.
5. **Coffey, R.D.** and G.L. Cromwell. 1995. The impact of environment and antimicrobial agents on the growth response of early-weaned pigs to spray-dried porcine plasma. *J. Anim. Sci.* 73:2532.
6. Cromwell, G.L., **R.D. Coffey**, G.R. Parker, H.J. Monegue, and J.H. Randolph. 1995. Efficacy of a recombinant-derived phytase in improving the bioavailability of phosphorus in corn-soybean meal diets for pigs. *J. Anim. Sci.* 73:2000.
7. Cromwell, G.L., **R.D. Coffey**, H.J. Monegue, and J.H. Randolph. 1995. Efficacy of low-activity, microbial phytase in improving the bioavailability of phosphorus in corn-soybean meal diets for pigs. *J. Anim. Sci.* 73:449.
8. **Coffey, R.D.**, G.L. Cromwell, and H.J. Monegue. 1994. Efficacy of a copper-lysine complex as a growth promotant for weanling pigs. *J. Anim. Sci.* 72:2880.
9. **Coffey, R.D.**, K.W. Mooney, G.L. Cromwell, and D.K. Aaron. 1994. Biological availability of phosphorus in defluorinated phosphates with different phosphorus solubilities in neutral ammonium citrate for chicks and pigs. *J. Anim. Sci.* 72:2653.
10. Cromwell, G.L., T.S. Stahly, **R.D. Coffey**, H.J. Monegue and J.H. Randolph. 1993. Efficacy of phytase in improving the bioavailability of phosphorus in soybean meal and corn-soybean meal diets for pigs. *J. Anim. Sci.* 71:1831.

#### **Cowpokes Newsletter Articles (2)**

1. Fall 2022.
2. Winter 2023.

#### **The Brand Newsletter Articles (1)**

1. Spring 2023.

#### **Annual Reports (9):**

1. **R. Coffey**. 2021. The Kentucky Agricultural Experiment Station 133<sup>rd</sup> Annual Report. *Responsible for compiling all research efforts for faculty and staff from Department of Animal and Food Sciences for the report.*
2. **R. Coffey**. 2020. The Kentucky Agricultural Experiment Station 133<sup>rd</sup> Annual Report. *Responsible for compiling all research efforts for faculty and staff from Department of Animal and Food Sciences for the report.*

3. **R. Coffey**. 2019. The Kentucky Agricultural Experiment Station 132<sup>nd</sup> Annual Report. *Responsible for compiling all research efforts for faculty and staff from Department of Animal and Food Sciences for the report.*
4. **R. Coffey**. 2018. The Kentucky Agricultural Experiment Station 131<sup>st</sup> Annual Report. *Responsible for compiling all research efforts for faculty and staff from Department of Animal and Food Sciences for the report.*
5. **R. Coffey**. 2017. The Kentucky Agricultural Experiment Station 130<sup>th</sup> Annual Report. *Responsible for compiling all research efforts for faculty and staff from Department of Animal and Food Sciences for the report.*
6. **R. Coffey**. 2016. The Kentucky Agricultural Experiment Station 129<sup>th</sup> Annual Report. *Responsible for compiling all research efforts for faculty and staff from Department of Animal and Food Sciences for the report.*
7. **R. Coffey**. 2015. The Kentucky Agricultural Experiment Station 128<sup>th</sup> Annual Report. *Responsible for compiling all research efforts for faculty and staff from Department of Animal and Food Sciences for the report.*
8. **R. Coffey**. 2014. The Kentucky Agricultural Experiment Station 127<sup>th</sup> Annual Report. *Responsible for compiling all research efforts for faculty and staff from UKREC for the report.*
9. **R. Coffey**. 2013. The Kentucky Agricultural Experiment Station 126<sup>th</sup> Annual Report. *Responsible for compiling all research efforts for faculty and staff from UKREC for the report.*

**Other Extension Publications (43):**

1. **Coffey, R.D.** 2014. Porcine Epidemic Diarrhea Virus (PEDV) and its Potential Impact on Youth Swine Projects.
2. **Coffey, R.D.** 2014. 2014 Ownership, Possession, and Care Rules for Kentucky 4-H/FFA Youth Breeding, Market, and Dairy Animal Projects.
3. **Coffey, R.D.** 2014. 2014 Guidelines for Validating 4-H/FFA Market Steers, Market Heifers, Market Lambs, Market Hogs, and Market Goats in Kentucky.
4. **Coffey, R.** 2014. 2014 Resource Packet for Kentucky 4-H Livestock Skillathon Contest.
5. **Coffey, R.D.** 2013. 2013 Ownership, Possession, and Care Rules for Kentucky 4-H/FFA Youth Breeding, Market, and Dairy Animal Projects.
6. **Coffey, R.D.** and J. P'Pool. 2013. 2013 Guidelines for Validating 4-H/FFA Market Steers, Market Heifers, Market Lambs, Market Hogs, and Market Goats in Kentucky.
7. **Coffey, R.** and J. P'Pool. 2013. 2013 Resource Packet for Kentucky 4-H Livestock Skillathon Contest.
8. **Coffey, R.D.** 2012. Kentucky 4-H Livestock/Horse Volunteer Certification Program Guidelines.
9. **Coffey, R.D.** 2012. 2012 Ownership, Possession, and Care Rules for Kentucky 4-H/FFA Youth Breeding, Market, and Dairy Animal Projects.
10. **Coffey, R.D.** 2012. 2012 Guidelines for Validating 4-H/FFA Market Steers, Market Heifers, Market Lambs, Market Hogs, and Market Goats in Kentucky.
11. **Coffey, R.** and J. P'Pool. 2012. 2012 Resource Packet for Kentucky 4-H Livestock Skillathon Contest.
12. **Coffey, R.D.** 2011. 2011 Ownership, Possession, and Care Rules for Kentucky 4-H/FFA Youth Breeding, Market, and Dairy Animal Projects.
13. **Coffey, R.D.** 2011. 2011 Guidelines for Validating 4-H/FFA Market Steers, Market Heifers, Market Lambs, Market Hogs, and Market Goats in Kentucky.
14. **Coffey, R.** and J. P'Pool. 2011. 2011 Resource Packet for Kentucky 4-H Livestock Skillathon Contest.
15. **Coffey, R.D.** 2010. Ownership, Possession, and Care Rules for Kentucky 4-H/FFA Youth Breeding, Market, and Dairy Animal Projects.
16. **Coffey, R.D.** 2010. 2010 Guidelines for Validating 4-H/FFA Market Steers, Market Heifers, Market Lambs, Market Hogs, and Market Goats in Kentucky.

17. **Coffey, R.** and J. P'Pool. 2010. 2010 Resource Packet for Kentucky 4-H Livestock Skillathon Contest.
18. **Coffey, R.** and J. P'Pool. 2009. 2009 Resource Packet for Kentucky 4-H Livestock Skillathon Contest.
19. **Coffey, R.D.** 2009. 2009 Guidelines for Validating 4-H/FFA Market Steers, Market Heifers, Market Lambs, Market Hogs, and Market Goats in Kentucky.
20. **Coffey, R.** and J. P'Pool. 2008. 2008 Resource Packet for Kentucky 4-H Livestock Skillathon Contest.
21. **Coffey, R.D.** 2008. 2008 Guidelines for Validating 4-H/FFA Market Steers, Market Heifers, Market Lambs, Market Hogs, and Market Goats in Kentucky.
22. **Coffey, R.D.** 2007. 2007 Guidelines for Validating 4-H/FFA Market Steers, Market Lambs, Market Hogs, and Market Goats in Kentucky.
23. **R. Coffey.** 2006. General Livestock – 4-H Resource Manual.
24. **R. Coffey.** 2006. Animal Sciences – 4-H Resource Manual.
25. **R. Coffey.** 2006. Swine – 4-H Resource Manual.
26. **R. Coffey.** 2006. 2006 Animal and Food Sciences 4-H Activities Calendar.
27. **R. Coffey** and J. Jackson. 2006. 2006 Kentucky 4-H Livestock Judging Contest – Contest Content.
28. **R. Coffey** and J. Jackson. 2006. 2006 Kentucky 4-H Skillathon Contests – Content for Clover Division.
29. **R. Coffey** and J. Jackson. 2006. 2006 Kentucky 4-H Skillathon Contests – Content for Intermediate Division.
30. **R. Coffey** and J. Jackson. 2006. 2006 Kentucky 4-H Skillathon Contests – Content for Senior Division.
31. **R. Coffey.** 2006. Web Resources Fact Sheet for 4-H Meat Goat Projects.
32. **R. Coffey.** 2006. Web Resources Fact Sheet for 4-H Livestock Judging.
33. **Coffey, R.D.** 2006. 2006 Guidelines for Validating 4-H/FFA Market Steers, Market Lambs, Market Hogs, and Market Goats in Kentucky.
34. **R. Coffey**, J. Taraba, D. Amaral-Phillips, R. Gates, W. Crist, D. Overhults, T. Pescatore, and K. Casey. 2005. Animal Feeding Operations Air Emissions Consent Agreement and National Monitoring Study Fact Sheet.
35. **R. Coffey.** 2005. 2005 Animal and Food Sciences 4-H Activities Calendar.
36. **Coffey, R.D.** 2005. 2005 Guidelines for Validating 4-H/FFA Market Steers, Market Lambs, Market Hogs, and Market Goats in Kentucky.
37. **R. Coffey** and K. Laurent. 2004. Livestock Calculations for Skillathon Contests Fact Sheet.
38. **Coffey, R.D.** 2004. 2004 Guidelines for Validating 4-H/FFA Market Steers, Market Lambs, Market Hogs, and Market Goats in Kentucky.
39. **Coffey, R.D.** 2003. 2003 Guidelines for Validating 4-H/FFA Market Steers, Market Lambs, Market Hogs, and Market Goats in Kentucky.
40. Henning, J., D. Choate, **R. Coffey**, M. FitzGerald, D. Grigson, L. Heaton, K. Holbrook, L. McCuiston, S. Moore, M. Nall, B. Roberts, J. Stringer, L. Turner, P. Warner, and M. Welch. 2002. Report from the Committee on Agent Training and Support.
41. Martin, S., R. Costin, and **R. Coffey.** 2002. 2000 Hog Enterprise Summary (Kentucky Farm Business Management Program), Agriculture Economics Extension No. 2002-02.
42. Costin, R, G. Ibendahl, and **R. Coffey.** 2001. 1999 Hog Enterprise Summary (Kentucky Farm Business Management Program), Agriculture Economics Extension No. 2001-08.
43. Ibendahl, G., R. Costin, **R. Coffey**, and R. Fleming. 2000. 1990-98 Hog Enterprise Summary (Kentucky Farm Business Management Program), Agriculture Economics Extension No. 2000-01.

### Computer Programs and Electronic Resources (18):

1. KY 4-H LIVESTOCK VOLUNTEER CERTIFICATION RESOURCE MANUALS USB FLASH DRIVE (2013) – a flash drive that is programmed with a user friendly interface to allow Certified Volunteer Leaders to easily access electronic versions of lesson plans and learning resources in each of the seven curriculum manuals (Beef Cattle, Sheep, Swine, Goat, Dairy Cattle, Country Ham, and All-Species).
2. KY 4-H LIVESTOCK VOLUNTEER RE-CERTIFICATION CD (2010) – a CD of presentations, handouts, and other resources for participants at Re-Certification Workshops.
3. KY SKILLATHON CONTEST TABULATION PROGRAM (2008) – a computer based program to enter data and tabulate results for the statewide Kentucky 4-H Skillathon Contest.
4. SWINE DIET FORMULATION (2006) – a comprehensive, Excel-based spreadsheet program for formulating swine diets based on NRC Nutrient Requirements for Swine. Provides a complete comparison of nutrients provided by the diet relative to the animal's requirements.
5. SKILLATHON CONTEST TABULATION PROGRAM (2006) – a computer based program to tabulate results for Regional 4-H Skillathon Contests.
6. LIVESTOCK DISCOVERY CD (2005) – a comprehensive, interactive CD to help youth learn about various facts and topics related to beef cattle, dairy cattle, goats, horses, sheep, and swine.
7. LIVESTOCK JUDGING CONTEST TABULATION PROGRAM (2004) – a computer based program to tabulate results of Livestock Judging Contests.
8. 4-H LIVESTOCK STUDY GUIDE CD (2001) – an interactive CD to help 4-H livestock judging team members learn the breeds, parts, and cuts of beef cattle, swine, and sheep.
9. MANURE MANAGEMENT PLANNER SPREADSHEET (2000) – computer program designed to help producers determine manure application rates (based on soil tests, manure analysis, application method, and crops grown), monitor changes over time in soil phosphate and potash levels, and keep records for documentation of manure applications.
10. PORK QUALITY ASSURANCE LEVEL III PROGRAM (2000) – a PowerPoint slide presentation for County Extension Agents to use for producer educational programs in on-farm pork safety.
11. GROWER-FINISHER MANAGEMENT MODULE (2000) – a five-lesson, CD- and web-based instructional curriculum on grower-finisher pig management. Developed by M. Brumm (Univ. of NE), **R. Coffey** (Univ. of KY), A. Harper (Virginia Tech), R. Jones (Univ. of GA), K. Kephart (Penn State Univ.), F. Owsley (Auburn Univ.), and G. Parker (Univ. of KY) through support from NPPC.
12. LACTATION (1998) – computer program designed to help producers determine the optimum dietary levels of lysine and energy for lactating sows based on parity and level of production.
13. SWINE PLANNER (1998) – computer program designed to assist producers in determining production flow, facility needs, and manure production.
14. SWINE DIET (1997) – computer program for formulating swine diets.
15. ENVIRONMENTAL ASSURANCE PROGRAM (1996) – a PowerPoint educational slide show presentation developed to enhance the Kentucky Agriculture Water Quality Plan by informing producers of environmentally-responsible, best management practices (BMPs) for the collection, storage, and land application of swine manure.
16. HOGS (1996) – computer database program to store, sort, and summarize pork producer information for the state to aid producers who are interested in cooperative swine production identify other producers with whom they can enter cooperative agreements to produce and/or market hogs.
17. PRICEQUOTES (1996) – computer database program to store, track, and summarize daily market quotes for cooperative marketing groups.
18. KILLDATA (1995) – computer database program to compile, store, and summarize packer kill sheet information for cooperative marketing groups.

### Web-Based Resources (10):

1. ANIMAL AND FOOD SCIENCES WEB SITE (2015-2108) – developed a page on the web site to house the department’s policies, procedures, and forms for business functions and operations.  
[<http://afs.ca.uky.edu/administration>]
2. UK RESEARCH AND EDUCATION CENTER WEB SITE (2013) – a complete redesign of the center’s web site.  
[<http://wkrec.ca.uky.edu/>]
3. ANIMAL AND FOOD SCIENCES 4-H AND YOUTH WEB SITE (2012) – a complete redesign of the departmental 4-H and youth web site. New site contains information on Calendar of Events, Livestock Projects (beef, goats, sheep, swine), Market Animal Validation Program, Ownership-Possession-Care Guidelines for Livestock Projects, Livestock Judging, Livestock Skillathon, KY 4-H Livestock Volunteer Certification Program, Publications, and Policies-Rules-Guidelines.  
[<http://afs4hyouth.ca.uky.edu/>]
4. EDEN (Extension Disaster Education Network) ANIMAL AGROSECURITY AND EMERGENCY MANAGEMENT COURSE (2007) – This interactive online course was fully developed by an interdisciplinary team from UK and is a valuable educational resource to help all people involved protect animals and ensure a safe food and fiber supply. The seven lesson course is designed for Extension professionals, emergency managers, health officials, and others who recognize the need for improved animal agrosecurity and emergency management education in their communities.  
[<http://eden.lsu.edu/LearningOps/AnimalAgrosecurity/default.aspx>]
5. 4-H AND YOUTH LIVESTOCK WEB SITE (2005) – a web site developed to provide youth with information and resources about livestock activities and projects.  
[<http://www.uky.edu/Ag/AnimalSciences/4h/4h.html>]
6. EPA AIR CONSENT AGREEMENT AND NATIONAL MONITORING STUDY WEB SITE (2005) – a web site developed to provide livestock producers up-to-date information about this important topic.  
[<http://www.uky.edu/Ag/AnimalSciences/nutrientmanagement/nutrientmanagement.html>]
7. NUTRIENT PRODUCTION AND REMOVAL CALCULATOR (2002) – a website designed to help counties in Kentucky determine the manure nutrients produced and the potential for crops and forages to utilize those manure nutrients.  
[<http://apps1.ca.uky.edu/NewManure/WebManureMain.asp>]
8. LIVESTOCK JUDGING ON AGRIPEDIA (2001) – web-based information on judging market hogs, market lambs, market steers, and beef heifers.  
[<http://www.ca.uky.edu/agripedia/agmania/livestock/index.htm>]
9. LIVESTOCK EQUIPMENT ON AGRIPEDIA (2001) – web-based information on equipment used in livestock production.  
[<http://www.ca.uky.edu/agripedia/agmania/equipID/index.htm>]
10. UK DEPT. OF ANIMAL SCIENCES SWINE EXTENSION WEB-SITE (2000) – web site designed to provide useful information and resources to swine producers.  
[<http://www.uky.edu/Agriculture/AnimalSciences/swine/swineext.html>]

### Conference and Symposia Proceedings (13):

1. Bolster, C.H., **R.D. Coffey**, S. Coleman, P. Goodman, S.F. Higgins, T. Horvath, B. Lee, C. Renfro, E.L. Ritchey, R. Smallwood, J. Sanders, S. Melhope, and K. Woodrich. 2013. Development and Testing of a Revised Phosphorus Index for Kentucky. Kentucky Water Resources Research Institute Symposium. Lexington, KY.
2. **Coffey, R.D.** 2008. Tools to Cope with Current Economics. Midwest Swine Nutrition Conference. Indianapolis, IN.
3. **Coffey, R.D.** 2002. Overview of Proposed Federal Environmental Regulations for Concentrated Animal Feeding Operations. Midwest Swine Nutrition Conference, Indianapolis, IN.

4. Turner, L.W., T.C. Bridges, **R.D. Coffey**, R.S. Gates, G.R. Parker, T.M. Brown-Brandl, and D.G. Overhults. 1997. Comparison of observed and simulated grow-finish swine performance under summer conditions. Fifth International Livestock Environment Symposium.
5. **Coffey, R.D.** 1996. The influence of phytase on phytate phosphorus utilization in swine. In: Proceedings of the Plains Nutrition Council Waste Management Conference, p. 49.
6. Turner, L.W., R.S. Gates, **R.D. Coffey**, G.L. Cromwell, H.J. Monegue, and T.S. Bridges. 1995. Forced evaporative cooling of growing-finishing swine. ASAE Paper No. 95-4462. American Society of Agricultural Engineers, Chicago, IL.
7. Cromwell, G.L. and **R.D. Coffey**. 1994. Nutritional methods to reduce nitrogen and phosphorus levels in swine waste. Invited paper, Southern Section Meeting of the American Society of Animal Science, Nashville, TN.
8. Cromwell, G.L. and **R.D. Coffey**. 1994. Nutrient management from feed to field. World Pork Expo Seminar "Meeting the Challenges of Pork Production", Indianapolis, IN.
9. Cromwell, G.L. and **R.D. Coffey**. 1994. Future strategies to diminish nitrogen and phosphorus in swine manure. North Central Regional Animal Science Extension Specialist Workshop, University of Missouri, Columbia, MO.
10. Cromwell, G.L. and **R.D. Coffey**. 1994. Reducing nitrogen and phosphorus in animal excreta by diet manipulation. BASF Facts and Figures Seminar, Guelph, Ontario and St. Hyacinthe, Quebec.
11. Cromwell, G.L. and **R.D. Coffey**. 1993. Nutritional technologies to reduce nutrient content of manure. NPPC Environmental Symposium "Meeting the Environmental Challenge", Minneapolis, MN.
12. Cromwell, G.L. and **R.D. Coffey**. 1993. An assessment of the bioavailability of phosphorus in feed ingredients for nonruminants. Proc. Maryland Nutrition Conf. pp 146-158. Baltimore, MD.
13. Cromwell, G.L., **R.D. Coffey**, H.J. Monegue and T.S. Stahly. 1992. Efficacy of phytase on the bioavailability of phosphorus for pigs. In: Proceedings 12th Intl. Pig Vet. Soc. Congress (Vol. II), p. 610.

#### **Popular Press Articles (8):**

1. Current Knowledge of Porcine Epidemic Diarrhea Virus (PEDV). Red Wattle Association Newsletter (Spring/Summer 2014).
2. A History of Judging: The 4-H Livestock Judging Program. Kentucky 4-H Foundation Newsletter (Volume II, Issue 4, Fall 2010).
3. Advisor to Advisor – Anticipating Site Assessment Questions. PQA Plus Advisor Newsletter (September 2010).
4. Energy-Efficient Hog Barn – Underground Sow Barn Saves Fuel, Cuts Odor. Successful Farming (December 2005)
5. Spray-Dried Animal Plasma in Diets for Weanling Pigs. The Farmers Pride (March 14, 2001).
6. Antibiotic-Free Herd Answers Questions on Safety. MIDAMERICA FARMER GROWER (September 25, 1998).
7. Improving Feed Efficiency and Reducing Feed Costs. The Farmers Pride (August 24, 1998).
8. Changes in Market Hog Pricing and Reporting. Kentucky Pork Producers Association Newsletter (January Issue, 1997).

#### **Media Interviews – Radio, Podcast, Television, Newspaper (47):**

1. Former Okie Returns to Lead OSU Animal Science. Role of Animal Extension Experience Podcast (February 10, 2023).
2. Q&A With OSU's New Animal and Food Sciences Department Head. OSU Research Matters Magazine ((October 21, 2022).
3. New Dairy Housing Teaching and Research Facility at University of Kentucky. Across America podcast with Mike Feldhaus of KY Farm Bureau (October 6, 2015).



4. Porcine Epidemic Diarrhea Virus (PEDV) Status in Kentucky. Interview with Tim Thornberry of Farm World Newspaper (October 16, 2014).
5. HSUS Video Taken at Iron Maiden Swine Farm and Porcine Epidemic Diarrhea Virus (PEDV). Interview with Ray Bowman for his internet radio program Food and Farm (February 24, 2014).
6. Porcine Epidemic Diarrhea Virus (PEDV). Interview with Owensboro Messenger-Inquirer Newspaper (February 20, 2014).
7. HSUS Video Taken at Iron Maiden Swine Farm and Porcine Epidemic Diarrhea Virus (PEDV). Interview with Lexington Herald-Leader Newspaper (February 20, 2014).
8. HSUS Video Taken at Iron Maiden Swine Farm and Porcine Epidemic Diarrhea Virus (PEDV). Interview with Jeff Nalley of Cromwell Ag Radio Network (February 20, 2014).
9. Equipment Upgrades at UKREC to Enhance College of Agriculture Research. Across Kentucky radio interview (via phone) with Mike Feldhaus of KY Farm Bureau (October 2, 2012).
10. Research Focuses at UK Research and Education Center. Radio interview with Alan Watts (WKDZ 106.5) in Cadiz (September 27, 2012).
11. Effects of Drought on Livestock Producers and Farmers. Radio interview with Angie Hatton (WKMS News) in Murray (September 17, 2012).
12. Vision as Director of UK Research and Education Center. Video interview with Dave Stalion of UK Ag Communications (June 7, 2012).
13. Services and Research Provided by UK Research and Education Center. Radio interview with Alan Watts (WKDZ 106.5) in Cadiz (June 5, 2012).
14. Vision as Director of UK Research and Education Center. Across Kentucky radio interview (via phone) with Mike Fieldhouse of KY Farm Bureau (June 1, 2012).
15. Kentucky State Fair Youth Swine Shows. Interview with Louisville Courier Journal Newspaper (August 26, 2011).
16. University of Kentucky College of Agriculture Field Day. Radio interview with Tom Rogers of 104.9 WAVJ in Princeton (July 28, 2005).
17. University of Kentucky College of Agriculture Field Day. Radio interview with Tom Rogers of 104.9 WAVJ in Princeton (July 26, 2005).
18. University of Kentucky College of Agriculture Field Day. Radio interview with Tom Rogers of with 104.9 WAVJ in Princeton (July 14, 2005).
19. University of Kentucky College of Agriculture Field Day. Radio interview (via phone) with Jack Crowner (July 11, 2005).
20. Economic Value of Research Conducted at UKREC for Farmers and Producers. Radio interview (via phone) with Mike Fieldhouse of KY Farm Bureau (June 20, 2005).
21. University of Kentucky College of Agriculture Field Day. Radio interview (via phone) with Mike Fieldhouse of KY Farm Bureau (June 10, 2005).
22. University of Kentucky College of Agriculture Field Day. Television recording with Jim Mosely for WKAG Channel 43 in Hopkinsville (July 28, 2005).
23. University of Kentucky College of Agriculture Field Day. Television recording with Jim Mosely for WKAG Channel 43 in Hopkinsville (July 15, 2005).
24. University of Kentucky College of Agriculture Field Day. Three (3) television recordings for WBKO Channel 13 in Bowling Green (July 5, 2005).
25. Potential Swine Expansion in Hickman County. Interview (via phone) with Jim Malone of the Louisville Courier Journal (August 3, 2005).
26. University of Kentucky College of Agriculture Field. Interview with Mid-America Farmer Magazine (July 28, 2005).
27. Potential Expansion of Kentucky's Swine Industry. Interview (via phone) with Jim Malone of the Louisville Courier Journal (July 14, 2005).
28. University of Kentucky College of Agriculture Field. Interview with Princeton Times Leader Newspaper (July 7, 2005).

29. New Federal AFO/CAFO Regulations. Radio interview with an agricultural radio program in Dayton, OH (February 6, 2003).
30. New Federal AFO/CAFO Regulations. Interview with Franklin, OH newspaper (February 6, 2003).
31. Overview of the Manure Management Planner Spreadsheet. Radio interview (via phone) with Mike Fieldhouse of KY Farm Bureau (March 7, 2002).
32. Overview of the Manure Management Planner Spreadsheet. Interview with The Farmer's Pride Newspaper (January 2002).
33. Plans for New Swine Facilities at Research & Education Center. Interview with Princeton Times Leader Newspaper (March 2001).
34. New Emergency Environmental Regulations for Livestock Operations. Radio interview (via phone) with Price Allen of KY Ag Network (February 16, 2000).
35. Impact of Proposed Environmental Regulations on Livestock Producers. Radio interview (via phone) with Price Allen of KY Ag Network (January 27, 2000).
36. UK College of Agriculture Princeton Field Day Tours. Interview with Princeton Times Leader Newspaper (June 28, 2000).
37. UK College of Agriculture Princeton Field Day Tours. Interview with UK Agricultural Communications personnel for newspaper article (May 18, 2000).
38. Description of USDA Small Producer Hog Payment Program. Interview with UK Agricultural Communications personnel for newspaper article (January 26, 1999).
39. Comparison of Production Practices Between U.S. and Brazilian Swine Farms. Videotaped television interview for Northeast Brazilian Television Station (July 22, 1998).
40. Description of Swine Tour Topics for 1998 University of Kentucky College of Agriculture Field Day. Videotaped television interview for WWAZ Channel 19 (July 16, 1998).
41. Description of NCPIG Swine Growth Modeling Workshop. Videotaped television interview with Haven Miller, UK Agriculture Communications (February 24, 1998).
42. Impact of Depressed Market Price on the Swine Industry. Interview with Owensboro Messenger Inquirer (December 15, 1998).
43. Comparison of Swine Production in the U.S. and Brazil and Opportunities for Expansion of Swine Production in Brazil. Interview with the Brazilian Newspaper AGAZETA MERCANTIL@ (July 30, 1998).
44. Description of 1998 UK College of Agriculture Field Day Production Tours. Interview with Princeton Times Leader (June 22, 1998).
45. Description of Swine Extension Program. Interview with Princeton Times Leader (March 19, 1998).
46. Swine Expansion and Issues Related to Swine Expansion in Kentucky. Videotaped television interview for news report on WLEX Channel 18 (May 15, 1997).
47. Description of plans for Kentucky Swine Development and Training Center. Interview with Lexington Herald Leader (August 5, 1997).

**University of Kentucky College of Agriculture News Exclusives (11):**

1. Equipment Upgrades to Enhance UK College of Agriculture Research (October 8, 2012).
2. UK's July 28 Field Day Provides Educational Opportunities for Farmers, Youth and Families (July 8, 2005).
3. New CD Allows Youth to Discover Livestock (April 1, 2005).
4. National Animal Feeding Operations Consent Agreement, Monitoring Study Impact on Kentucky Producers (March 2, 2005).
5. Regional Skillathons to Take Place Earlier (February 4, 2004).
6. Manure Management Planner Aids Farmers with Record Keeping. (March 7, 2002).
7. Market Access a Key to Maintaining Kentucky's Pork Industry (November 7, 2001).

8. Strategy For Animal Feeding Operations Likely Discussion Topic for State's Lawmakers (January 28, 2000).
9. Report Provides Help for County Manure Management Potential (November 5, 1999).
10. Kentucky Farmers Benefit from Hog Payment Program (January 1999).
11. Low Prices Bring Hog Producers Together, Increase Bottom Line (September, 1998).

#### **Book Chapter (1):**

1. Cromwell, G.L. and **R.D. Coffey**. 1991. Phosphorus – A key essential nutrient, yet a possible major pollutant – It's central role in nutrition. In: Biotechnology in the Feed Industry: Proceedings of Alltech's Seventh Annual Symposium, page 133.

#### **Scientific Abstracts (27):**

1. Pettey, L.A., G.L. Cromwell, M.D. Lindemann, H.J. Monegue, **R.D. Coffey**, G.R. Parker, and K.M. Laurent. 2002. Efficacy of betaine in diets for uncrowded and crowded finishing pigs. *J. Anim. Sci.* 80 (Suppl. 1):39.
2. Cromwell, G.L., M.D. Lindemann, J.R. Randolph, H.J. Monegue, K.M. Laurent, G.R. Parker, and **R.D. Coffey**. 2001. Efficacy of betaine as a carcass modifier in finishing pigs fed normal and low protein diets supplemented with amino acids. *J. Anim. Sci.* 79 (Suppl. 1):183.
3. Cromwell, G.L., M.D. Lindemann, J.R. Randolph, K.M. Laurent, G.R. Parker, and **R.D. Coffey**. 2000. Effects of betaine levels in reduced energy diets for finishing pigs. *J. Anim. Sci.* 78 (Suppl. 1):189.
4. Parker, G.R., **R.D. Coffey**, K.M. Laurent, G.L. Cromwell, M.D. Lindemann, and J.R. Randolph. 1997. Single vs. two- or three-diet sequences for finishing pigs. *J. Anim. Sci.* 75 (Suppl. 1):48.
5. Cromwell, G.L., M.D. Lindemann, G.R. Parker, K.M. Laurent, **R.D. Coffey**, H.J. Monegue, and J.R. Randolph. 1996. Low protein, amino acid supplemented diets for growing-finishing pigs. *J. Anim. Sci.* 74(Suppl. 1):174.
6. Cromwell, G.L., **R.D. Coffey**, D.K. Aaron, M.D. Lindemann, J.L. Pierce, H.J. Monegue, V.M. Rupard, D.E. Cowan, M.B. Parido, and T.M. Clayton. 1996. Differences in growth rate of weanling barrows and gilts. *J. Anim. Sci.* 74(Suppl. 1):186.
7. Cromwell, G.L., **R.D. Coffey**, and H.J. Monegue. 1996. Effects of 1,25-dihydroxycholecalciferol on the utilization of phytate P in low-P, corn-soybean meal diets for pigs. *J. Anim. Sci.* 74(Suppl. 1):58.
8. **Coffey, R.D.** and G.L. Cromwell. 1995. Phosphorus bioavailability in selected feedstuffs for chicks. *Poult. Sci.* 74(Suppl. 1):108.
9. **Coffey, R.D.** and G.L. Cromwell. 1995. Bioavailability of phosphorus bioavailability in cereal grains for chicks. *Poult. Sci.* 74(Suppl. 1):107.
10. **Coffey, R.D.** and G.L. Cromwell. 1995. Developing a phosphorus bioavailability assay for chicks. *Poult. Sci.* 74(Suppl. 1):107.
11. Pierce, J.L., G.L. Cromwell, M.D. Lindemann, and **R.D. Coffey**. 1995. Assessment of three fractions of spray-dried porcine plasma on performance of early-weaned pigs. *J. Anim. Sci.* 73(Suppl. 1):81.
12. Cromwell G.L., M.D. Lindemann, G.R. Parker, **R.D. Coffey**, H.J. Monegue, and J.H. Randolph. 1995. Effects of dietary calcium on the efficacy of phytase and on the utilization of phosphorus in low phosphorus diets for pigs. *J. Anim. Sci.* 73(Suppl. 1):73.
13. **Coffey, R.D.** and G.L. Cromwell. 1994. The effects of dried skim milk and spray-dried porcine plasma in diets with or without antimicrobial agents for weanling pigs. *J. Anim. Sci.* 72(Suppl. 1):165.
14. Cromwell, G.L., **R.D. Coffey**, J.H. Randolph, and H.J. Monegue. 1994. Efficacy of phytase (Natuphos™) in low phosphorus, corn-soybean meal diets for growing-finishing pigs. *J. Anim. Sci.* 72(Suppl. 2):62.
15. **Coffey, R.D.** and G.L. Cromwell. 1994. Spray-dried porcine plasma for early-weaned pigs housed either in an experimental or conventional nursery setting. *J. Anim. Sci.* 72(Suppl. 2):69.

16. Cromwell, G.L., **R.D. Coffey**, S.D. Carter, H.J. Monegue, and E.A. Decker. 1994. Comparison of fat sources for growing-finishing pigs. *J. Anim. Sci.* 72(Suppl. 1):4.
17. **Coffey, R.D.**, K.W. Mooney, and G.L. Cromwell. 1994. Biological availability of phosphorus in defluorinated phosphates with different solubilities in neutral ammonium citrate. *J. Anim. Sci.* 72(Suppl. 2):2.
18. Monegue, H.J., G.L. Cromwell, **R.D. Coffey**, S.D. Carter and M. Cervantes. 1993. Elevated dietary lysine levels for sows nursing large litters. *J. Anim. Sci.* 71(Suppl. 1):67.
19. Cromwell, G.L., **R.D. Coffey** and J.H. Randolph. 1993. Efficacy of Allzyme™ phytase in improving the utilization of phosphorus in corn and soybean meal for pigs. *J. Anim. Sci.* 71(Suppl. 1):66.
20. Cromwell, G.L., **R.D. Coffey** and H.J. Monegue. 1993. Phytase (Natuphos™) improves phytate phosphorus utilization in corn and soybean meal for pigs. *J. Anim. Sci.* 71(Suppl. 1):165.
21. **Coffey, R.D.** and G.L. Cromwell. 1993. Determination of the phosphorus availability in several feed ingredients for growing pigs. *J. Anim. Sci.* 71(Suppl. 1):158.
22. **Coffey, R.D.**, K.W. Mooney, G.L. Cromwell and H.J. Monegue. 1993. Efficacy of a copper-lysine chelate as a growth promotant for weanling pigs. *J. Anim. Sci.* 71(Suppl. 1):59.
23. **Coffey, R.D.** and G.L. Cromwell. 1993. Evaluation of the biological availability of phosphorus in various feed ingredients for growing pigs. *J. Anim. Sci.* 71(Suppl. 1):66.
24. **Coffey, R.D.**, G.L. Cromwell and T.S. Stahly. 1992. Bioavailability of phosphorus in monocalcium phosphate, corn, dehulled soybean meal, barley, sorghum and wheat for growing pigs. *J. Anim. Sci.* 70(Suppl. 1):228.
25. **Coffey, R.D.**, G.L. Cromwell, T.S. Stahly and H.J. Monegue. 1992. An evaluation of a copper-lysine chelate as a growth promotant for weanling pigs. *J. Anim. Sci.* 70(Suppl. 1):70.
26. **Coffey, R.D.**, G.L. Cromwell, T.S. Stahly and H.J. Monegue. 1991. An evaluation of a copper-lysine chelate as a growth promotant for weanling pigs. *J. Anim. Sci.* 69(Suppl. 1):357.
27. **Coffey, R.D.**, C.V. Maxwell and A.C. Clutter. 1990. The effect of isolated soy protein substitution for milk proteins with and without maintaining constant lactose on performance of early weaned pigs. *J. Anim. Sci.* 68(Suppl. 1):355.

## GRANTS AND EXTENSION PROGRAM SUPPORT FUNDING

**Extramural Funding (\$1,061,007.84 total – \$456,222 for applied research efforts, and \$605,415.84 for program support):**

- L. Anderson, **R. Coffey (Co-PI)**, D. Bullock, J. Lehmkuhler, and K. VanValin. KY-X10D Beef Education Project (2020). Kentucky Agricultural Development Board – \$200,000.
- A. Higdon, **R. Coffey (Co-PI)**, M. Morgan, and R. Dwyer. LADDER: Local Approach to Discussion-Based Disaster Exercises and Readiness (2018). USDA-NIFA – \$15,073.
- **R. Coffey (PI)**. 4-H Livestock Judging and Skillathon Program support funding from various entities (2014) – \$12,460.
- **R. Coffey (PI)**. Income from Livestock Discovery CD sells to support 4-H livestock programs (2014) – \$354.
- **R. Coffey (PI)**. Support funding from Dean Smith to upgrade IT capabilities at UKREC (2013) - \$50,000.
- **R. Coffey (PI)**. Support funding from Associate Dean for Research (Dr. Nancy Cox) to purchase a new disk for UKREC (2013) - \$3,000.
- **R. Coffey (PI)** and Jason P'Pool. 4-H Livestock Judging and Skillathon Program support funding from various entities (2013) – \$19,995.
- **R. Coffey (PI)**. Income from Livestock Discovery CD sells to support 4-H livestock programs (2013) – \$1,119.
- **R. Coffey (PI)** and Jason P'Pool. 4-H Livestock Judging and Skillathon Program support funding from various entities (2012) – \$18,569.

- **R. Coffey (PI)**. Income from Livestock Discovery CD sells to support 4-H livestock programs (2012) – \$951.
- **R. Coffey (PI)**. Equipment grant from Kentucky Pork Producers Association for Bravo 4102 DVD/CD Automated Publisher (2012) – \$2,448.
- **R. Coffey (PI)** and Jason P’Pool. 4-H Livestock Judging and Skillathon Program support funding from various entities (2011) – \$20,790.
- **R. Coffey (PI)**. Income from Livestock Discovery CD sells to support 4-H livestock programs (2011) – \$1,392.
- **R. Coffey (PI)**. Support funding from University of Tennessee and Tennessee Pork Producers Association for PQA Plus On-Farm Site Assessments conducted in Tennessee (2010) – \$786.32.
- **R. Coffey (PI)** and J. P’Pool. Venture Capital Endowment Grant to support KY 4-H Livestock Judging Team (2010) - \$2,000.
- **R. Coffey (PI)** and Jason P’Pool. 4-H Livestock Judging and Skillathon Program support funding from various entities (2010) – \$18,031.77.
- **R. Coffey (PI)**. Income from Livestock Discovery CD sells to support 4-H livestock programs (2010) – \$906.
- **R. Coffey (PI)** and J. P’Pool. Barnhart Fund for Excellence Grant to support KY 4-H Livestock Judging Team (2010) - \$500.
- **R. Coffey (PI)**. Income from Livestock Discovery CD sells to support 4-H livestock programs (2009) – \$1,285.
- **R. Coffey (PI)**. Implementation of PQA Plus Site Assessments (2009). Grant from Ag Development Board as part of PIC’s grant - \$15,847.50.
- **R. Coffey (PI)** and Jason P’Pool. 4-H Livestock Judging and Skillathon Program support funding from various entities (2009) – \$22,759.70
- **R. Coffey (PI)** and J. P’Pool. Barnhart Fund for Excellence Grant to support KY 4-H Livestock Judging Team (2009) - \$1,000.
- **R. Coffey (PI)** and D. Overhults. Development and Implementation of a High-Rise Swine Manure Composting Production Facility (2008) – \$25,000.
- **R. Coffey (PI)**. Income from Livestock Discovery CD sells to support 4-H livestock programs (2008) – \$1,635.
- **R. Coffey (PI)** and Jason P’Pool. 4-H Livestock Judging and Skillathon Program support funding from various entities (2008) – \$13,731.62.
- **R. Coffey (PI)**. Income from Livestock Discovery CD sells to support 4-H livestock programs (2007) – \$1,374.
- **R. Coffey (PI)**. 4-H Livestock Judging and Skillathon Program support funding from various entities (2007) – \$10,880.
- R. Yeargan, A. Husband, M. Newman, **R. Coffey (Co-PI)**, R. Dwyer, P. Scharko, R. Burris, W. Crist, R. Maurer, S. McMurray, C. Thompson, and E. Wilkerson. U.S.D.A. grant for Extension Disaster Education Network project for development of an online course entitled “Animal Biosecurity and Emergency Management” (2006-2009) – \$75,000.
- **R. Coffey (PI)**. 4-H Livestock Judging and Skillathon Program support funding from various entities (2006) – \$9,975.
- **R. Coffey (PI)**. Income from Livestock Discovery CD sells to support 4-H livestock programs (2006) – \$1,524.
- **R. Coffey (PI)**. Kentucky 4-H Venture Grant entitled “Strengthening County Livestock Judging Teams (2006) - \$18,400.
- **R. Coffey (PI)**. 4-H Livestock Judging and Skillathon Program support funding from various entities (2005) – \$10,245.
- **R. Coffey (PI)**. Income from Livestock Discovery CD sells to support 4-H livestock programs (2005) – \$6,483.

- K. Culp, III, **R. Coffey (Co-PI)**, M. Averbeck, S. Blevins, R. Carlin, C. Comer, S. Dschar, J. Gibson, J. Johns, K. Ragland, S. Ragsdale, T. Riley, B. Roberts, and K. Tingle. 4-H Venture Grant for Kentucky Livestock Volunteer Certification Program Resource Kit Laminated Visuals and Samples (2005) – \$10,000.
- K. Culp, III, **R. Coffey (Co-PI)**, M. Averbeck, S. Blevins, R. Carlin, C. Comer, S. Dschar, J. Gibson, J. Johns, K. Ragland, S. Ragsdale, T. Riley, B. Roberts, and K. Tingle. 4-H Venture Grant for Kentucky Livestock Volunteer Certification Program Resource Kit DVD's and Teaching Manuals (2005) – \$10,000.
- **R. Coffey (PI)**, R. Trimble, and W. Paris. Barnhart Fund for Excellence grant for Enhanced Youth Educational Opportunities and Participation in the 2005 College of Agriculture Field Day (2005) – \$650 (PI).
- **R. Coffey (PI)**. 4-H Livestock Judging Program support funding from PIC USA, Inc. (2005) – \$4,000.
- **R. Coffey (PI)**. 4-H Livestock Judging Program support funding from Farm Credit Services of Mid-America (2005) – \$1,000.
- **R. Coffey (Co-PI)**, A. Bailey, R. Burris, D. Davis, W. Dunwell, J. Herbek, G. Lacefield, J. Martin, J. Masabni, S. McNeill, L. Murdock, L. Skillman, D. Trimble, and W. Paris. Industry monetary support funding for 2005 College of Agriculture Field Day (2005) – \$8,600.
- **R. Coffey (Co-PI)**, R. Burris, B. Wurts, L. Murdock, P. Howe, and D. Davis. Industry product support for 2005 College of Agriculture Field Day (2005) – \$1,225.
- **R. Coffey (PI)**. Equipment grant from Kentucky Pork Producers Association for BravoPro DVD/CD Automated Publisher (2005) – \$3,794.
- S. Higgins, **R. Coffey (Co-PI)**, S. Shearer, M. Coyne, and C. Dillon. Demonstration of Enhanced Technologies for Land Application of Animal Nutrient Sources in Sensitive Watersheds (2004). USDA-NRCS grant – \$354,572.
- **R. Coffey (PI)**. Travel and support materials grant from Kentucky Pork Producers Association (2004) – \$3,500.
- **R. Coffey (PI)**. Travel and support materials grant from Kentucky Pork Producers Association (2003) – \$3,500.
- Parker and **R. Coffey (Co-PI)**. Evaluation of Automated Sorting Scales for Pigs Housed in Very Large Groups. Internal College of Agriculture Plant Fund (2002) – \$60,000.
- **R. Coffey (PI)**. Equipment grant for computer from Associate Dean Turner and Associate Dean Cox (2002) - \$1,500.
- **R. Coffey (PI)**. Travel and support materials grant from Kentucky Pork Producers Association (2002) – \$3,000.
- **R. Coffey (PI)**. Travel grant to attend Livestock and Poultry Environmental Stewardship Curriculum Workshop. U.S. Environmental Protection Agency (2001) – \$250.
- **R. Coffey (PI)**. Travel and support materials grant from Kentucky Pork Producers Association (2001) – \$750.
- **R. Coffey (PI)** and G. Parker. Evaluation of Nutritional Program. Equipment grant from Central Kentucky Hog Marketing Association (2000) – \$1,650.
- Parker and **R. Coffey (Co-PI)**. Development and Evaluation of an Automated Bioreactor for Generating High Concentrations of Bacteria for Lagoon Treatment. Grant from Kentucky Department of Agriculture (2000) – \$5,000.
- Parker and **R. Coffey (Co-PI)**. Evaluation of NC2000 for Odor and Dust Control in Growing-Finishing Housing. Grant from AEI Environmental, Inc. (2000) – \$5,000.
- **R. Coffey (PI)**. Travel and support materials grant from Kentucky Pork Producers Association (2000) – \$750.
- Parker and **R. Coffey (Co-PI)**. Evaluation of a High-Pressure Misting System for Cooling Pigs in Wean-To-Finish Facilities. AEI Environmental, Inc. (1999) – \$5,000.

- **R. Coffey (PI)**, R. Bowman, L. Anderson, J. Cocanougher, B. Crist, R. Fleming, K. Henken, J. Johnson, R. Mitchell, D. Overhults, T. Pescatore, M. Rasnake, S. Samson, and B. Thom. Assessment of the Potential for Livestock and Poultry Manure to Provide the Nutrients Removed by Crops and Forages in Kentucky. Program Enhancement Grant (1999) – \$3,500.
- **R. Coffey (PI)**, R. Bowman, L. Anderson, J. Cocanougher, B. Crist, R. Fleming, K. Henken, J. Johnson, R. Mitchell, D. Overhults, T. Pescatore, M. Rasnake, S. Samson, and B. Thom. Assessment of the Potential for Livestock and Poultry Manure to Provide the Nutrients Removed by Crops and Forages in Kentucky. Grant for publication publishing costs from Associate Dean for Extension (1999) – \$5,000
- **R. Coffey (PI)**. Travel and support materials grant from Kentucky Pork Producers Association (1999) – \$750.
- **R. Coffey (PI)**. Travel grant to Osborne Industries Research Swine Farm, Osborne, KS, and Kansas State University Feed Processing Center, Manhattan, KS from Dean Little (1998) – \$426.82.
- **R. Coffey (PI)**. Travel and support materials grant from Kentucky Pork Producers Association (1998) – \$750.
- **R. Coffey (PI)**. Travel grant to Prairie Swine Centre in Saskatoon, Saskatchewan, Canada from Dean Little (1998) – \$993.86.
- **R. Coffey (PI)**. Travel and support materials grant from Kentucky Pork Producers Association (1997) – \$750.
- **R. Coffey (PI)**. Travel and support materials grant from Kentucky Pork Producers Association (1996) – \$750.
- **R. Coffey (PI)**. Kentucky Leadership for Agricultural and Environmental Sustainability grant for artificial insemination equipment and supplies (1996) – \$386.25.
- **R. Coffey (PI)**. Resource and educational materials grant from Kentucky Pork Producers Association (1996) – \$335.
- **R. Coffey (PI)**. Travel grant from Kentucky Pork Producers Association (1995) – \$400.
- **R. Coffey (PI)**. Grant for meal at Kentucky Swine Feed Industry Conference from Kentucky Pork Producers Association (1994) – \$500.

#### **Applied Research Grants Not Funded (\$431,000):**

- **R. Coffey (PI)**, G. Parker, D. Overhults, and J. Taraba. Evaluation of An Electrocoagulation Unit as a Method of Treating Swine Manure Effluent. Grant submitted to Agricultural Development Board (2002) – \$250,000 (not funded).
- Newman, S. Franklin, **R. Coffey (Co-PI)**, and B. Mikel. Effectiveness of Mannan Oligosaccharides as an Alternative to Antibiotics in Weanling Pigs. Grant submitted to National Pork Board (2002) – \$56,000 (not funded).
- Rasnake, **R. Coffey (Co-PI)**, D. Overhults, and D. Stipes. Animal Manure Management Test and Demonstration Project. Grant submitted to USDA NRCS (1997) – \$125,000 (not funded).

## **PROFESSIONAL RECOGNITION**

#### **Awards:**

- Honorary Kentucky County Ag Agent (2022). Kentucky Association of County Agricultural Agents.
- Advanced Degree Graduate of Distinction (2019). Oklahoma State University, Department of Animal and Food Sciences.
- Fellow in Administrative Category (2018). American Society of Animal Science.
- Hall of Fame (2015). Kentucky Pork Producers Association.
- Honorary State FFA Degree (2011). National FFA Organization.
- Extension Award (2011). Southern Section American Society of Animal Science.

- FFA Honorary Chapter Degree (2008). Christian County FFA Chapter.
- Certificate of Appreciation for efforts as Co-Chair of Environmental & Natural Resources Issues Task Force Animal Waste Focus Group (2001). University of Kentucky, College of Agriculture.
- Outstanding Service Award (1999). Kentucky Pork Producers Association.
- Kentucky Colonel (1998). Commonwealth of Kentucky.

#### **Officer/Representative:**

- Head (2022-Present). Oklahoma State University Department of Animal and Food Sciences.
- Board of Directors (2019-2022). American Society of Animal Science.
- President-Elect (2017), President (2018), and Past President (2019). Midwest Section American Society of Animal Science.
- Chair (2015-2022). University of Kentucky Department of Animal and Food Sciences.
- Director (2012-2015). University of Kentucky Research and Education Center.
- State Coordinator (2006-2022). Pork Quality Assurance (PQA) Plus Program. National Pork Board.
- State Coordinator (2006-2015). Youth Pork Quality Assurance (PQA) Plus Program. National Pork Board.
- Youth Livestock Programs Coordinator (2003-2015). Department of Animal and Food Sciences.
- Ag Faculty Council (2005-2006). University of Kentucky, College of Agriculture.
- Secretary (2006). Kentucky Joint Council of Extension Professionals (JCEP).
- State Coordinator (2004-2006). Youth Pork Quality Assurance (PQA) Program, National Pork Board.
- Chairman (2004-2005). University of Kentucky, College of Agriculture Field Day.
- President (2004). Kentucky Association of State Extension Professional (KASEP).
- Vice-President (2003). Kentucky Association of State Extension Professional (KASEP).
- Chairman (1998). Nonruminant Animal Production Section Committee, Southern Section American Society of Animal Science.
- Chairman (1997). Graduate Student Competition Awards Committee, Southern Section American Society of Animal Science.
- Co-Chairman (1994-1998). Southern Region Animal Science Extension Swine Work Group.
- Chairman (1996). Signs/Display/Graphic Arts Committee, Poultry Science Association Annual Meeting.
- Chair (1995). Educational session for Southern Region Animal Science Extension Swine Work Group.

#### **Reviewer (25 Reviews):**

1. Reviewer for Journal of Animal Science manuscript *Effect of day of mixing gestating sows on measures of reproductive performance and animal welfare* by R. Knox, J. Salak-Johnson, M. Hopgood, L. Greiner, and J. Connor, 2013.
2. Reviewer for USDA Small Business Innovation Research (SBIR) Program Phase 1 grant application *Business study for increasing profitability through whole animal sourcing, product bundling, distribution, marketing, direct sales in Eastern Pennsylvania*, 2013.
3. Reviewer for Journal of Animal Science manuscript *Sulfur concentration in diets containing corn, soybean meal, and distillers dried grains with soluble does not affect feed preference or growth performance of weanling and growing-finishing pigs* by B.G. Kim, Y. Zhang, and H.H. Stein, 2010.
4. Editorial Board of the Journal of Animal Science (2004-2006). American Society of Animal Science.
5. Reviewer for USDA-CSREES Phase II Technical Research Proposal *Efficacy of Ovugel in weaned sows and replacement gilts in commercial production units* by Stephen Webel, 2008.



6. Reviewer for Journal of Animal Science manuscript *Evaluation of soy protein concentrate in nursery pig diets* by N.A. Lenehan, J.M. DeRouchey, R.D. Goodband, M.D. Tokach, S.S. Dritz, C.N. Groesbeck, and K.R. Lawrence, 2007.
7. Reviewer for Journal of Animal Science manuscript *Effect of diet composition on water consumption in growing pigs* by M.I. Shaw, A.D. Beaulieu, and J.F. Patience, 2006.
8. Reviewer for Journal of Animal Science manuscript *Effects of chilled drinking water on the performance of lactating sows and litters during high ambient temperatures under farm conditions* by J.H. Jeon, S.C. Yeon, and H.H. Chang, 2005.
9. Reviewer for Hatch Project proposal entitled *Integration of Nutrition Management with Animal Management for Sustainable Commercial Swine Production* prepared by Dr. Allen Harper, Virginia Polytechnic Institute and State University, 2005.
10. Reviewer for Journal of Animal Science manuscript *Effects of mannan oligosaccharide and an antimicrobial product in nursery diets on performance of pigs reared on three different farms* by D.W. Rozeboom, D.T. Shaw, R.J. Templeman, J.C. Miguel, J.E. Pettigrew, and A. Connolly, 2005.
11. Reviewer for Journal of Animal Science manuscript *Water intake and wastage at nipple drinkers by growing-finishing pigs* by Y.Z. Li, L. Chenard, S.P. Lemay, and H.W. Gonyou, 2004.
12. Reviewer for Journal of Animal Science manuscript *The availability of inorganic and organic bound copper and zinc in fattening pigs* by B. Zacharias, W. Pelletier, and W. Drochner, 2004.
13. Reviewer for Journal of Animal Science manuscript *Effects of diet complexity and dietary lactose levels during three starter phases on postweaning pig performance* by D.C. Mahan, N.D. Fastinger, and J.C. Peters, 2004.
14. Reviewer for Journal of Animal Science manuscript *Effects of a novel carbohydrate and protein source on sow performance during lactation* by R.L. Payne, R.D. Lirette, T.D. Bidner, and L.L. Southern, 2003.
15. Reviewer for Journal of Animal Science manuscript *Performance and individual feed intake characteristics of group-housed sows fed a non-starch polysaccharides diet ad libitum during gestation over three parities* by C.M.C. Van der Peet-Schwering, B. Kemp, J.G. Plagge, P.F.G. Vereijken, L.A. den Hartog, H.A.M. Spoolder, and M.W.A. Verstegen, 2003.
16. *Cell Wall Carbohydrates for Livestock*. Expert review of TAP Analysis for The Center for Food and Nutrition Policy for presentation to the National Organic Standards Boards, 2002.
17. Reviewer for Journal of Animal Science manuscript *Plasma reduced folates, reproductive performance and conceptus development in sows in response to supplementation with oxidized and reduced sources of folic acid* by A.F. Harper, J.W. Knight, E. Kokue, and J.L. Usry, 2002.
18. Manuscript reviewer for Extension publication *Fumonison, Vomitoxin, and Other Mycotoxins in Corn Produced by Fusarium Fungi* (ID-121) by P.C. Vincelli and G.R. Parker, 2002.
19. Reviewer for *Livestock Budget Estimates for Kentucky* by R.L. Trimble, S. Isaacs, F.J. Benson, and A.L. Meyer, 2000.
20. Manuscript reviewer for *Estimating the Benefits of Pollution Reduction on Agricultural Yield: The Case for Taiwan's APEF Program*, Journal of Environmental Quality, 1999.
21. Manuscript reviewer for *Measuring the Capacity of Kentucky Crop Land to Assimilate Animal Manure*, by J.D. Long and R.A. Fleming, 1999.
22. Reviewer for *Livestock Budget Estimates for Kentucky* by R.L. Trimble, S. Isaacs, F.J. Benson, and A.L. Meyer, 1997.
23. Manuscript reviewer for Pork Industry Handbook publication *Swine Diets* (PIH-23) by W.G. Luce, A.F. Harper, D.C. Mahan, and G.R. Hollis, 1996.
24. Manuscript reviewer for Extension publication *Aflatoxin in Corn* (ID-59) by P.C. Vincelli, G.R. Parker, and S.G. McNeill, 1995.
25. Manuscript reviewer for Extension publication *Mycotoxins in Corn Produced by Fusarium Fungi* (ID-121) by P.C. Vincelli and G.R. Parker, 1995.

**Invited In-State Presentations (51):**

1. Ferguson College of Agriculture Spring Teaching Workshop – Trends and Gaps in Today’s Workplace: A Department Head’s Perspective on Preparing Students for Success (January 12, 2023).
2. Southeast Ag Educators In-Service Meeting – Support for Ag Educators from the Department of Animal and Food Sciences. Shawnee, OK (November 10, 2022).
3. Oklahoma Cattlemen’s Association Board Meeting – State of the Department of Animal and Food Sciences. Stillwater, OK (November 4, 2022).
4. Entomology and Plant Pathology Career Skills and Professional Development Course – Characteristics Necessary for Success as a Department Head. Stillwater, OK (October 11, 2022).
5. Animal and Food Sciences General Seminar – Achieving Success as a Graduate Student. Stillwater, OK (September 16, 2022).
6. Oklahoma Pork Congress – Opportunities for Collaborations between Animal and Food Sciences and the Oklahoma Pork Council. Oklahoma City, OK (August 5, 2022).
7. Beef Webinar Series – State of the Department of Animal and Food Sciences Amid the COVID-19 Pandemic. Presented via Zoom Meeting (June 2, 2020).
8. ASC 300 Meat Science 100-Year Anniversary Event – A History of ASC 300 Meat Science in the Department of Animal and Food Sciences. Lexington, KY (October 17, 2019).
9. Animal and Food Sciences Graduate Student Association Cover Letter Workshop – The Essentials of an Effective Cover Letter. Lexington, KY (October 8, 2019).
10. Warren County Cattlemen’s Association – How the Department of Animal and Food Sciences Serves Kentucky’s Beef Cattle Industry. Bowling Green, KY (September 19, 2019).
11. Animal and Food Sciences Graduate Student Association Writing Symposium – Writing Effective Extension Articles. Lexington, KY (August 9, 2016).
12. Interim Joint Committee on Agriculture – New Dairy Housing Teaching and Research Facility and Precision Dairy Technology Research at the University of Kentucky. Frankfort, KY (October 7, 2016).
13. Environmental Assistance Symposium (Jointly sponsored by UK Cooperative Extension, KY Division of Compliance Assistance, KY Division of Conservation, KY Division of Water, and KY Natural Resources Conservation Service) – Environmental Assistance Programs and Supporting Personnel Available in the College of Agriculture, Food and Environment. Princeton, KY (October 21, 2015).
14. Environmental Assistance Symposium (Jointly sponsored by UK Cooperative Extension, KY Division of Compliance Assistance, KY Division of Conservation, KY Division of Water, and KY Natural Resources Conservation Service) – Environmental Assistance Programs and Supporting Personnel Available in the College of Agriculture, Food and Environment. Elizabethtown, KY (October 22, 2015).
15. Animal and Food Sciences Graduate Student Association Poster Symposium – Importance of Developing Soft Skills. Lexington, KY (April 9, 2015).
16. C.O.R.E. (Crop Observation and Research Education) Farmer Program Meeting. UK Research and Education Center – Who We Are and What We Do. Princeton, KY (July 29, 2014).
17. Chi Epsilon Sigma Annual Meeting. UK Research and Education Center – Who We Are and What We Do (April 10, 2014).
18. Mid-South Pork Cooperative Annual Meeting. Agriculture – Past, Present, and Future. Bardstown, KY (March 4, 2013).
19. Kentucky Pork Producers Association Annual Convention. Sow Housing – What are the Options. Bowling Green, KY (January 19, 2013).
20. Kenton County Educational Meeting. Basics of Raising a Pig for the Home Freezer. Covington, KY (February 28, 2012).
21. Fulton County Swine Producer/Grain Producer Meeting. Managing and Utilizing Manure from Deep Pit Swine Barns. Hickman, KY (January 24, 2012).

22. Kentucky Agricultural Development Board. Update on High-Rise Within Facility Composting Finishing Swine Barn. Frankfort, KY (March 18, 2011).
23. Kentucky Pork Producers Association Annual Convention. Summary Data from PQA Plus Site Assessments conducted in the U.S. Bowling Green, KY (January 22, 2011).
24. Kentucky Pork Producers Association Annual Convention. Lessons Learned from the High-Rise Swine Manure Composting Finishing Facility. Bowling Green, KY (January 22, 2011).
25. Kentucky Pork Producers Association Annual Convention. Environmental Regulatory Update. Bowling Green, KY (January 22, 2010).
26. Kentucky Pork Producers Association Annual Convention. PQA Plus Site Assessments – What They Mean for Pork Producers. Bowling Green, KY (January 23, 2010).
27. State 4-H Staff Advisory Committee Meeting. Update on 4-H Livestock Projects and Programs. Lexington, KY (January 20, 2010).
28. Kentucky Pork Producers Association Annual Convention. Update on PQA Plus Program. Bowling Green, KY (January 23, 2009).
29. Kentucky Pork Producers Association Annual Convention. High-Rise Manure Composting Finishing Facility. Bowling Green, KY (January 24, 2009).
30. Kentucky Pork Producers Association Annual Convention. Comprehensive Nutrient Management Plans and Permitting Requirements for Kentucky's Pork Producers. Owensboro, KY (January 25, 2008).
31. Kentucky Pork Producers Association Annual Convention. Overview of the Pork Quality Assurance Plus Program. Owensboro, KY (January 25, 2008).
32. Meet Your Neighbor Event sponsored by Kentucky Soybean Association and Kentucky Pork Producers Association. Added Value of Swine Production. Hickman, KY (June 28, 2007).
33. Kentucky Pork Producers Association Annual Convention. Update on Kentucky's Swine Regulations and Permits. Owensboro, KY (January 27, 2007).
34. Farm Bureau Environmental Update for Agriculture Conference. EPA Animal Feeding Operations Air Emissions Consent Agreement and National Monitoring Study. Lexington, KY (April 13, 2005).
35. Testimony before Interim Joint Committee on Agriculture and Natural Resources. Validation and DNA Testing Guidelines for 4-H/FFA Market Animals (January 29, 2003).
36. Kentucky Pork Producers Association Annual Convention. New Federal Regulations for AFOs and CAFOs – What it Means for Pork Producers. Owensboro, KY (January 24, 2003).
37. Kentucky Association of Extension 4-H Agents Conference. Overview of Recommendations from the Committee on Agent Training and Support. Frankfort, KY (April 16, 2002).
38. Kentucky Pork Producers Association Annual Convention. How to Use the Manure Management Planner Spreadsheet. Owensboro, KY (January 26, 2002).
39. Agriculture Water Quality Authority Livestock Committee. Manure Production and Potential Nutrient Utilization by Crops and Forages in Kentucky. Frankfort, KY (January 16, 2002).
40. Neogen Corporation. Structure and Issues/Trends of the U.S. Swine Industry. Lexington, KY (December 5, 2001).
41. Decision-Makers Conference on Animal Waste Management Issues and Options. Livestock Manure Production and Utilization in Kentucky. Frankfort, KY (September 5, 2001).
42. Kentucky Pork Producers Association Annual Convention. Agriculture and the Internet. Owensboro, KY (January 27, 2001).
43. Kentucky Pork Producers Association Annual Convention. Developing a KY Agriculture Water Quality Plan. Owensboro, KY (January 22, 2000).
44. Kentucky Agriculture Water Quality Authority. Assessment of the Potential for Livestock and Poultry Manure to Provide the Nutrients Removed by Crops and Forages in Kentucky. Hartford, KY (September 16, 1999).
45. Project Food, Land, and People Facilitator Training. The Changing Face of Agriculture. UKREC, Princeton, KY (February 18, 1999).

46. Kentucky Pork Producers Association Annual Convention. Current Environmental Regulations. Owensboro, KY (January 22, 1999).
47. Adult Agriculture Educators Conference. Pork Quality Assurance Level III Training Program. Glasgow, KY (December 9, 1998).
48. Kentucky Farm Bureau Annual Convention. Overview of Environmental Assurance Program for Pork Producers. Louisville, KY (December 11, 1997).
49. Kentucky Pork Producers Association Executive Board Leadership Development Seminar. The Link Between Research and Extension. Owensboro, KY (October 4, 1996).
50. Kentucky Pork Producers Association Annual Convention. Feeding Grow-Finish Pigs to Maximize Lean Growth Rate. Owensboro, KY (January 28, 1995).
51. Kentucky Farm Bureau Annual Convention. Nutritional Technologies to Reduce the Nitrogen and Phosphorus Content of Manure. Louisville, KY (December 9, 1993).

**Invited National/International Presentations (31):**

1. Security and Safety in Global Food Chains Symposium. Issues and Challenges for Animal and Food Sciences. Kagoshima, Japan (January 28, 2023).
2. National Junior Swine Registry National Youth Leadership Conference. Developing Leadership Skills. Lexington, KY (April 8, 2016).
3. ADM Alliance Educational Meeting. Value of Swine Manure. Poseyville, IN (February 21, 2012).
4. Alltech's Russian Pig School. Structure and Trends of the U.S. Swine Industry. Lexington, KY (May 19, 2011).
5. Alltech's Russian Pig School. Sow Housing and Management. Lexington, KY (May 19, 2011).
6. Alltech's Russian Pig School. Biosecurity Practices to Minimize Disease. Lexington, KY (May 20, 2011).
7. Neogen Corporation Educational Seminars. Management and Structure of Modern Swine Farms. Lexington, KY (January 10, 2011).
8. Neogen Corporation Educational Seminars. Role of Biosecurity in Preventing the Spread of Disease. Lexington, KY (January 10, 2011).
9. U.S. Department of Treasury Educational Seminars for IRS Regional Legal Counsel. Structure of the U.S. Swine Industry. Cincinnati, OH (October 7, 2008).
10. U.S. Department of Treasury Educational Seminars for IRS Regional Legal Counsel. Production and Management Practices of Swine Operations. Cincinnati, OH (October 7, 2008).
11. Midwest Swine Nutrition Conference. Tools to Cope with Current Economics. Indianapolis, IN (September 4, 2008).
12. Alltech's Eastern European Pig School. Manure Management and Regulatory Issues in the U.S. Lexington, KY (April 17, 2008).
13. Neogen Corporation Educational Seminars. Structure of the U.S. Swine Industry. Lexington, KY (January 10, 2007).
14. Neogen Corporation Educational Seminars. Management of Modern Swine Operations. Lexington, KY (January 10, 2007).
15. Neogen Corporation Educational Seminars. Basics of Swine Immunity and Herd Health. Lexington, KY (January 11, 2007).
16. Neogen Corporation Educational Seminars. Biosecurity for Swine Farms. Lexington, KY (January 11, 2007).
17. Ohio Pork Congress. New Federal Regulations for AFOs and CAFOs – What it Means for Pork Producers. Dayton, OH (February 6, 2003).
18. Midwest Swine Nutrition Conference. Overview of Proposed Federal Environmental Regulations for Concentrated Animal Feeding Operations. Indianapolis, IN (September 4, 2002).
19. Pork Quality Seminar in Guangdong Province of China. Effects of Genetics and Nutrition on Pork Quality. Dongguan, China (November 24, 1999).

20. Pork Quality Seminar in Guangdong Province of China. An On-Farm Pork Quality Control Program. Dongguan, China (November 25, 1999).
21. Wet Lab Demonstration in Guangdong Province of China. Proper Injection Site and Needle Size Selection for Pigs. Dongguan, China (November 26, 1999).
22. Pork Quality Seminar in Guangxi Province of China. Effects of Genetics and Nutrition on Pork Quality. Nanning, China (December 1, 1999).
23. Pork Quality Seminar in Guangxi Province of China. An On-Farm Pork Quality Control Program. Nanning, China (December 2, 1999).
24. Seminar on Swine Production in Northeast Brazil. Management Strategies for Nursery Piglets. Fortaleza, Brazil (August 12, 1999).
25. Seminar on Swine Production in Northeast Brazil. Management of Gilts and Sows for Efficient Reproduction. Fortaleza, Brazil (August 12, 1999).
26. Aurora Swine Cooperative. Wean-to-Finish Facilities for Growing Pigs. Chapecoe, Brazil (August 16, 1999).
27. Embrapa Research Station. Development and Nutrition of Replacement Gilts. Concordia, Brazil (August 17, 1999).
28. International Seminar on Swine Production and Processing in Northeast Brazil. Nutrition and Management of Nursing, Nursery, and Finishing Pigs. Recife, Brazil (July 29, 1998).
29. International Seminar on Swine Production and Processing in Northeast Brazil. Nutrition and Management of the Breeding Herd. Recife, Brazil (July 29, 1998).
30. High Plains Council Waste Management Conference. The Influence of Phytase on Phytate Phosphorus Utilization. Amarillo, TX (September 13, 1996).
31. U.S. Feed Grains Council. Selection, Crossbreeding, Reproduction, and Artificial Insemination for Swine (a one-day course for producers and management personnel from the People's Republic of China. Lexington, KY (June 13, 1996).

#### **Consultant Activities:**

1. Papa John's Pizza, Inc. Invited to provide information on animal care and well-being issues. Provided presentations and tours of UK Swine and Poultry Units for Papa John's personnel (2012).
2. Fact Witness for Nuisance Lawsuit in Western Kentucky (2011-2013).
3. Cargill Pork, L.L.C. Animal Care and Use Committee for Cargill Sow Innovation Center and Cargill Grower-Finisher Innovation Center (2011-present).
4. U.S. Department of Treasury, IRS Regional Legal Counsel. Invited consultant to provide educational seminars and review of facts related to a case involving a swine feed company (October, 2008-2010).
5. U.S. Grains Council. Invited consultant for 12-day trip to Guangdong and Guangxi Provinces of China to visit swine farms and conduct educational seminars (November 20-December 4, 1999).
6. U.S. Grains Council. Invited consultant for 10-day trip to Northeast Brazil to visit swine farms and conduct educational seminars (August 5-15, 1999).
7. Nutris Nutrition, Technology & Systems, LTDA. Invited consultant for three-day invited trip to Southern Brazil to visit swine farms and conduct educational seminars (August 16-19, 1999).
8. U.S. Grains Council. Invited consultant for 10-day trip to Northeast Brazil to visit swine farms and conduct educational seminars (July 20-August 1, 1998).

### **PROFESSIONAL IMPROVEMENT**

- National Cattlemen's Beef Association Convention and Tradeshow, New Orleans, LA (2023).
- Ferguson College of Agriculture Spring Teaching Workshop, Stillwater, OK (2023).
- Ferguson College of Agriculture Fall Teaching Workshop, Stillwater, OK (2022).

- Oklahoma Association of Extension Ag Educators Annual Meeting, Hulbert, OK (2022).
- American Society of Animal Science Annual Meeting, Oklahoma City, OK (2022).
- Alltech Virtual One Conference (2022).
- Midwestern Section Animal Science Annual Meeting, Omaha, NE (2022).
- National Animal Science Chairs/Head Meeting, Washington D.C. (2022).
- American Society of Animal Science Annual Meeting, Louisville, KY (2021).
- Alltech Virtual One Conference (2021).
- Midwestern Section Animal Science Virtual Annual Meeting (2021).
- CAFE Cultivating Inclusion Series: Critical Compassion (2021).
- CAFE Cultivating Inclusion Series: Equity and Inclusion Online (2021).
- CAFE Cultivating Inclusion Series: Cultivating Change (2020).
- CAFE Cultivating Inclusion Series: Fostering Community and Belonging (2020).
- A 12-Step Program for Decolonizing the University webinar by Dr. Rodney Coates (2020).
- American Society of Animal Science Annual Virtual Meeting (2020).
- Alltech Virtual One Conference (2020).
- Diversity, Equity and Inclusion Workshop, Lexington, KY (2020).
- Midwestern Section Animal Science Annual Meeting, Omaha, NE (2020).
- National Animal Science Chairs/Head Meeting, Washington D.C. (2020).
- University of Kentucky Provost Budget Office Workshop on Preparing and Managing a Budget (2019).
- American Society of Animal Science Annual Meeting, Austin, TX (2019).
- Midwestern Section Animal Science Annual Meeting, Omaha, NE (2019).
- Alltech Symposium, Lexington, KY (2019).
- National Animal Science Chairs/Head Meeting, New Orleans, LA (2019).
- American Society of Animal Science Annual Meeting, Vancouver, Canada (2018).
- Midwestern Section Animal Science Annual Meeting, Omaha, NE (2018).
- Alltech Symposium, Lexington, KY (2018).
- American Society of Animal Science Annual Meeting, Baltimore, MD (2017).
- University of Kentucky-University of Tennessee Grant Writing Workshop, Knoxville, TN (2017).
- Midwestern Section Animal Science Annual Meeting, Omaha, NE (2017).
- National Animal Science Chairs/Head Meeting, Nashville, TN (2017).
- Alltech Symposium, Lexington, KY (2017).
- Active Shooter Training, Lexington, KY (2017).
- QPR (Question, Persuade, Refer) Suicide Prevention Gatekeeper Program Training, Lexington, KY (2016).
- American Society of Animal Science/American Dairy Science Association Joint Annual Meeting, Salt Lake City, UT (2016).
- Multi-State Poultry Feeding and Nutrition Conference, Indianapolis, IN (2016).
- National Pork Board sponsored Pork Quality Assurance (PQA) Plus Program Trainer Workshop, Des Moines, IA (March 23-24, 2016).
- Midwestern Section Animal Science Annual Meeting, Des Moines, IA (2016).
- Unconscious Bias Training, Lexington, KY (2016).
- National Animal Science Chairs/Head Meeting, San Diego, CA (2016).
- Alltech Symposium, Lexington, KY (2016).
- University of Kentucky Chairs Academy, Lexington, KY (2015).
- American Society of Animal Science/American Dairy Science Association Joint Annual Meeting, Orlando, FL (2015).
- Midwest Swine Nutrition Conference, Indianapolis, IN (2015).

- Midwestern Section Animal Science Annual Meeting, Des Moines, IA (2015).
- Alltech Symposium, Lexington, KY (2015).
- Beck's Field Day, Henderson, KY (2014).
- Midwestern Section Animal Science Annual Meeting, Des Moines, IA (2014).
- National Pork Board sponsored Pork Quality Assurance (PQA) Plus Program Trainer Workshop, Raleigh, NC (2013).
- Kentucky Association of State Extension Professionals Annual Meeting, Frankfort, KY (2013).
- Visit to Pearl Valley Composting Operation, Pearl City, IL (2012).
- Kentucky Ag Summit, Louisville, KY (2011).
- Southern Section American Society of Animal Science Annual Meeting, Corpus Christi, TX (2011).
- Midwest Biosystems ACS Composting Workshop, Rock Falls, IL (2010).
- National Pork Board sponsored Pork Quality Assurance (PQA) Plus Program Trainer Workshop, Columbus, OH (2010).
- National Swine Nutrition Guide Regional Training Workshop, Indianapolis, IN (2010).
- Midwestern Section Animal Science Annual Meeting, Des Moines, IA (2009).
- Alltech Biotechnology in the Feed Industry Symposium, Lexington, KY (2009).
- Livestock Industry Forum sponsored by United Producers, Inc, Lexington, KY (2008).
- Comprehensive Nutrient Management Plan (CNMP) Development Workshop, Louisville, KY (2008).
- World Pork Expo, Des Moines, IA (2007).
- National Pork Board sponsored Pork Quality Assurance (PQA) Plus Program Trainer Workshop, Des Moines, IA (2007).
- Alltech Biotechnology in the Feed Industry Symposium, Lexington, KY (2005).
- Kentucky Association of State Extension Professionals sponsored meeting with Kentucky Cabinet Officials, Frankfort, KY (2004).
- Public Issues Leadership Development Conference, Washington, D.C. (2004).
- National Pork Board sponsored Youth Pork Quality Assurance Program Train-the-Trainer Workshop, Des Moines, IA (2003).
- Alltech Biotechnology in the Feed Industry Symposium, Lexington, KY (2003).
- National Pork Producer Council sponsored Legislative Seminars, Washington, DC (2002).
- Midwest Swine Nutrition Conference, Indianapolis, IN (2002).
- Kentucky Biennial Meeting of Specialists and Associates, Winchester, KY (2002).
- Midwestern Section Animal Science Annual Meeting, Des Moines, IA (2002).
- Livestock and Poultry Environmental Stewardship Curriculum Workshop, Indianapolis, IN (2001).
- Workshop on the Use of PAYLEAN in Swine Diets, Indianapolis, IN (2001).
- Livestock and Poultry Environmental Stewardship Curriculum Workshop, Indianapolis, IN (2001).
- Third Annual Pig Science Conference, Cincinnati, OH (2001).
- State Extension Conference, Lexington, KY (2001).
- First International Swine Housing Conference, Des Moines, IA (2000).
- World Pork Expo, Indianapolis, IN (2000).
- State Extension Conference, Lexington, KY (2000).
- Animal Waste Initiative Workshop, Kansas City, MO (1999).
- American Society of Animal Science Annual Meeting, Indianapolis, IN (1999).
- World Pork Expo, Des Moines, IA (1999).
- State Extension Conference, Lexington, KY (1999).
- National Pork Producer Council sponsored Educational Conference on the Environmental Assurance Program, Pork Quality Assurance Program, and On-Farm Odor Assessment Program, Des Moines, IA (1998).

- World Pork Expo, Des Moines, IA (1998).
- National Satellite Symposium on the Nutrient Requirements of Swine (10<sup>th</sup> Revised Edition), Jackson, TN (1998).
- Department of Animal Sciences Media Training Conference, Lexington, KY (1998).
- National Pork Producer Council sponsored Competitive Seminar for Pork Producers, Owensboro, KY (1998).
- State Extension Conference, Lexington, KY (1998).
- Southern Section Animal Science Annual Meeting, Birmingham, AL (1997).
- Midwestern Section Animal Science Annual Meeting, Des Moines, IA (1997).
- World Pork Expo, Indianapolis, IN, 1997.
- Alltech Biotechnology in the Feed Industry Symposium, Lexington, KY (1997).
- National Pork Producer Council sponsored Swine Extension Educators Conference, Des Moines, IA (1997).
- State Extension Conference, Lexington, KY (1996).
- Alltech Biotechnology in the Feed Industry Symposium, Lexington, KY (1996).
- National Pork Producer Council sponsored Competitive Seminar for Pork Producers, Owensboro, KY (1996).
- World Pork Expo, Des Moines, IA (1996).
- National Pork Producer Council sponsored Swine Extension Educators Conference, Des Moines, IA (1996).
- National Pork Producer Council sponsored Pork Profitability Summit, Myrtle Beach, SC (1996).
- Alltech Biotechnology in the Feed Industry Symposium, Lexington, KY (1995).
- State Extension Conference, Lexington, KY (1995).
- Midwestern Section Animal Science Annual Meeting, Des Moines, IA (1995).
- Poultry Science Association Extension Workshop on Conflict Resolution, Edmonton, Alberta, Canada (1995).
- Poultry Science Association Extension Workshop on Building Mutual Support in Extension Programming, Edmonton, Alberta, Canada (1995).
- National Pork Producer Council sponsored Environmental Assurance Program training, Columbus, OH (1995).
- Southern Region Triennial Animal Science Extension Specialist Conference, Lexington, KY (1995).
- Southern Section Animal Science Annual Meeting, Nashville, TN (1994).
- Midwestern Section Animal Science Annual Meeting, Des Moines, IA (1994).
- Alltech Biotechnology in the Feed Industry Symposium, Lexington, KY (1994).
- World Pork Expo, Indianapolis, IN (1994).
- North Central Region Animal Science Workshop, Columbia, MO (1994).
- American Society of Animal Science Annual Meeting, Minneapolis, MN (1994).
- College Feed Board Conference, Richmond, VA (1993).

## **SERVICE (COMMITTEES AND PROFESSIONAL ACTIVITIES)**

### **National/International:**

Saddle & Sirloin Club – Committee to Nominate Jarold Callahan for Induction into the Saddle & Sirloin Portrait Gallery (2022-2023).

American Society of Animal Science – Board of Directors (2019-2022, Finance Committee (2019-2022), Ph.D. Graduate Student Poster Competition Judge (2019, 2021, 2022), M.S. Graduate Student Poster Competition Judge (2021), Editorial Board for Journal of Animal Science (2004-2006), Nominating Committee (2018, 2021), AFIA Nonruminant Nutrition Award Committee



(2018, 2019, 2021, 2022), Fellow Awards Committee in Administrative Category (2019), Animal Management Award Committee (2020), Member (1990-present).  
National Future Farmers of America (FFA) – Agriscience Fair Competition Committee (2014-2015).  
Papa John's International Animal Care Policy Development Team – Member (2012).  
Cargill Pork, LLC Animal Care and Use Committee for Cargill Sow Innovation Center and Finisher Innovation Center – Member (2011-2015).  
Council for Agricultural Science and Technology (CAST) – Member (1994-present).  
National Pork Board – Youth Pork Quality Assurance Program Curriculum Development Committee (2001-2004), Grower-Finisher Pig Module Curriculum Development Committee (2000).  
North American International Livestock Exposition – Junior Swine Show Advisory Committee (1994-2022), Assistant Superintendent (2005-2022).  
Management Committee for National 4-H Livestock Judging and Skillathon Contests – Member (2017-2022).  
Poultry Science Association Annual Meeting – Golf Tournament Committee (1996).

### **Regional/Sectional:**

Midwestern Section American Society of Animal Science – President-Elect (2017), President (2018), Past President (2019), Academic Quadrathlon Team Presentation Judge (2017-2019), Ph.D. Graduate Student Poster Competition Judge (2017), Ph.D. Oral Competition Judge (2019), Member (2000-present), National Pork Producers Council Innovation Award Committee (1997 and 1999).  
Southern Advisory Committee for Food Science and Technology (SAC-4) – Member of Multistate Research Coordinating Committee and Information Exchange Group (2018-present).  
Midwest Swine Nutrition Conference – Chaired Morning Session (2015).  
Southern Section American Society of Animal Science – Extension Award Committee (2012-2015).  
Southern Region Animal Waste Initiative Work Group (1999-2015).  
Southern Section American Society of Animal Science – Member (1994-present), National Pork Producers Council Innovation Award Committee (1997), Graduate Student Competition Awards Committee (1996).  
Southern Region Animal Science Extension Swine Work Group – Member (1994-2015), Conference Planning Committee (1995).

### **State:**

Oklahoma Youth Expo (OYE) – Board of Directors Advisory Committee (2022-Present).  
Oklahoma State University Animal Science Alumni Association – Ex-Officio Member (2022-Present).  
Kentucky Cattleman's Association – Executive Board (2015-2022).  
Kentucky Livestock Coalition – Ex Officio Member (2015-2022).  
Kentucky Agriculture Water Quality Authority Livestock Committee – Member (1996-2022).  
Kentucky Natural Resources Conservation Service (NRCS) – Nutrient Management Code 590 Working Group (2012-2013).  
Kentucky Pork Producers Association – Executive Board Advisor (1994-2022), Youth Education Committee (1994-2022), Producer Education Committee (1994-2022), Annual Meeting Planning Committee (1994-2022), Executive Board Nominating Committee (2000-2022), Annual Meeting Educational Program Coordinator (2006-2022).  
Kentucky Sheep and Goat Producers Association – Advisory Board (2015-2022).  
Kentucky Poultry Federation – Advisory Board (2015-2022).  
Kentucky Dairy Development Council – Advisory Board (2015-2022).  
Kentucky Department of Agriculture – District Swine Show Advisory Committee (1994-2015), West Kentucky Junior Livestock Expo Committee (1994-2015), Western Rivers Junior Livestock Expo Committee (2003-2015), Youth Livestock Camp Committee (2006-2013).  
Kentucky Farm Bureau – Ex-Officio Member Beef Cattle Advisory Committee (2015-2022), Dairy Advisory Committee (2015-2022), Equine Advisory Committee (2015-2022), Goat Advisory

Committee (2015-2022), Poultry Advisory Committee (2015-2022), Sheep Advisory Committee (2015-2022) and Swine Advisory Committee (2004-2022).

Kentucky State Fair – Youth Livestock Shows Advisory Committee (2002-present), Swine Shows Advisory Committee (1994-present), Assistant Superintendent of 4-H/FFA and Open Swine Shows (1994-1999), Superintendent of 4-H/FFA and Open Swine Shows (2000-2014).

Kentucky Future Farmers of America – Agriscience Fair Judge (2015-2021).

Kentucky Agriculture Water Quality Authority – Livestock Committee (1997-present).

### **College:**

Chair, Department of Plant Pathology External Program Review Committee (2021).

USDA ARS Forage-Animal Production Research Unit Facility Planning Committee (2021).

College Beef Task Force (2020-2022).

University of Kentucky Research & Education Center Managing Director Search Committee (2020).

Chair of CAFE Chairs-Directors Group ((2018-2021).

Member of County Extension Program Review Team for Henry, Warren, and Simpson Counties (2018).

Chair of Department of Forestry Chair Search (2017).

College Extension Review Subcommittee on Organizational Structure (2016-2017).

Chair, College Philanthropy Director Search Committee (2016).

College Strategic Plan Implementation Team – Online Orientation Program for New Employees (2016).

Chair, Department of Forestry External Program Review Committee (2015).

Chair of University of Kentucky Research & Education Center Director Selection Committee (2015).

College Faculty Service DOE Policy Development Committee (2015).

Search Committee for Associate Dean for Research and Director of Kentucky Agricultural and Forestry Experiment Station (2014).

Director of University of Kentucky Research & Education Center (2012-2015).

University of Kentucky Research & Education Center Advisory Committee (2012).

Chairman of Exhibits for University of Kentucky, College of Agriculture Field Day (2011).

Chairman of Exhibits for University of Kentucky, College of Agriculture Field Day (2009).

Ag Faculty Council (2005-2006).

University of Kentucky Research & Education Center Advisory Committee (2005-2009).

Chairman of University of Kentucky Research & Education Center Operations and Procedures Committee (2006).

Kentucky Association of State Extension Professionals (KASEP) – Member (1994-2015), President (2004), Vice-President (2003).

Western Regional Issues and Program Committee (2003-2004).

Chairman of University of Kentucky Research & Education Center Ad Hoc Governance Committee (2003-2004).

County Extension Program Review Committee for Ohio County (2003).

County Extension Program Review Committee for Daviess County (2003).

Joint Council of Extension Professionals (JCEP) – Member (2004-present), Secretary (2006).

Chairman of University of Kentucky Research & Education Center Operations and Procedures Committee (2002).

Kentucky Extension Specialists and Associates Biennial Meeting Planning Committee (2002).

University of Kentucky Research & Education Center Faculty/Staff Moderator (2001).

College of Agriculture Agent Training, Development, and Support Committee (2001).

Chairman of Tours Committee for University of Kentucky, College of Agriculture Field Day (2000).

College of Agriculture Water Quality Research and Education Advisory Committee (1999-present).  
University of Kentucky Research and Education Center Land Use Committee (1999).  
Co-chairman of Environmental and Natural Resources Issues Animal Waste Focus Group (1998-2000).  
Chairman of Tours Committee for University of Kentucky, College of Agriculture Field Day (1998).  
Planning and Development Committee for Kentucky Swine Development and Training Center (1997-2001).  
Departmental Faculty Representative for College of Agriculture Blood Drive (1995-1997).  
Gamma Sigma Delta – Member (1986-present).  
Grant reviewer for Wayne County Kentucky Leadership for Agricultural and Environmental Sustainability (K.L.A.E.S.) grant proposal (1995).  
Participant in USDA/CSRS grant proposal site-team visit for Kentucky Swine Development and Training Center (1994).

#### **Departmental:**

Departmental Self-Study Review Committee (2011).  
Extension Faculty Merit Review Committee (2010, 2012).  
Department Web Site Review/Development Committee (2009-2011)  
Assistant Professor Merit Evaluation Committee (2009).  
Youth Programs Coordinator (2003-2015).  
Academic Council (2005-2015).  
4-H Horse Rules Advisory Committee (2004-2015).  
Chairman Strategic Plan (Goal VI) Committee for Internal Periodic Review (2004).  
Department Chair Search Committee (2000).  
Merit Evaluation Committee for Extension (2000).  
Internal Periodic Review of Animal Sciences Extension Committee (1998).  
Planning and Development Committee for Swine Research Facilities at the Animal Research Center (1996-1998).  
Planning Committee for Teaching/Learning Center at the Animal Research Center (1996-1998).  
Recognition and Awards Committee (1996-1998).  
Communications Ad Hoc Committee (1996-1999).  
Graduate Curriculum Review Committee (1995).  
Search Committee for Swine Research/Teaching Faculty position (1994).  
Co-chairman of Department of Animal Sciences Social Committee (1994-1996).

## **ACADEMIC INVOLVEMENT**

#### **Graduate Student Committee Service:**

Ph.D. Outside Examiner for Lingxiao Wang from the Department of Agricultural Economics (2021).  
Ph.D. Advisory Committee Member for Melissa Cantor (2017-2021).  
M.S. Advisory Committee Member for Shannon Dierking (2018-2019).  
M.S. Advisory Committee Member for Kane Austin (2016-2018).  
M.S. Advisory Committee Member for Carlos Escobar (2010-2012).  
M.S. Advisory Committee Member for Seth Monegue (2007-2009).  
Ph.D. Advisory Committee Member for D.A. Aitor (2004-2006).  
Ph.D. Advisory Committee Member for Jorge Hernan Agudelo (2000-2003).  
Ph.D. Advisory Committee Member for Chris van deLigt (1996-1999).  
Member of Graduate Faculty (1996-present).

### **Special Problems Project Advising:**

Adviser for Stephen Zanone's Special Problems Project on Teaching Aids for Training Youth for Skillathon Contests (2004).

### **Guest Lecturer and Field Trip Coordination:**

ASC 408G Swine Science – Lectures on “Swine Housing” and “Issues Facing the Swine Industry” (1994, 1995, 1996, 1997, 1998, 1999, 2003, 2005, 2006, 2007, 2008, 2009, 2010, 2011).

ASC 408G Swine Science – Coordinated two-day field trip to commercial swine farms in Western Kentucky (1998, 1999, 2003, 2005, 2006, 2007, 2008, 2009, 2010, 2011).

ASC 382 Principles of Livestock Nutrition – Lecture on Swine Nutrition and Feeding (1994, 1995, 1996, 2004, 2005).

ASC 382 Livestock Production Principles – Two Lectures on Swine Management and a field trip to a swine farm (2006, 2007, 2008, 2009).

ASC 382 Livestock Production Principles – Lecture on Swine Production Principles and a field trip to a swine farm (2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017).

Lecture on “Changes in the Swine Industry” for agriculture class at Owensboro Community College (1999).

ASC 408G Swine Science – Lecture on “Live Animal and Carcass Evaluation and Marketing Swine” (1996).

## **PERSONAL CONSULTATIONS RELATED TO SWINE EXTENSION ACTIVITIES**

Due to the enormous variety in the makeup of different operations, personal consultations were an integral component of my Extension program. Pork producers, agents, and support industry personnel required personal contact with an individual who had the technical expertise and resources to assist them in the decision-making and problem-solving process, particularly where a large investment was required. Through personal contacts I provided technical information and assistance in the areas of production flow, production efficiency, management, health and disease, environmental sustainability, marketing, pork quality, facility construction or remodeling, and troubleshooting. Not only were these types of personal contacts extremely vital for meeting the individual needs of my diverse clientele, but they also served to keep me abreast of the problems and challenges facing Kentucky's swine industry, provided direction for future programs and areas of emphasis, and ensured the grassroots level of support for my programs were maintained. I provided farm specific technical information and assistance in all areas of pork production (production flow and efficiency, management, health and disease, environmental sustainability, marketing, pork quality, facility construction or remodeling, and trouble-shooting) by personal contacts (phone consultations, printed responses [letter, fax, E-mail], office or face-to-face consultations, and farm visitations) with producers, county agents, support industry personnel, government agencies, and professionals involved with the swine industry. Over the course of my Extension career, I averaged on a monthly basis 27 phone consultations, 21 printed responses, 12 office or face-to-face consultations, and 5 farm visitations.

## **COUNTY AND MULTI-COUNTY EDUCATIONAL PRESENTATIONS (*SWINE EXTENSION*)**

### **Educational Meetings for Marketing Cooperatives (37):**

1. Diets, Premixes, and Feed Additives for Swine. Mid-South Pork Cooperative (March 28, 2012).
2. Tools to Cope with Current Economics. Mid-South Pork Cooperative (March 2, 2009).
3. Reduced Phosphorus Diets and the Use of Phytase. Mid-South Pork Cooperative (March 20, 2008).
4. Diets and Feed Additives. Mid-South Pork Cooperative (March 13, 2007).
5. Use of BIO-MOS in Swine Diets. Central Kentucky Hog Marketing Association (September 6, 2005).

6. Nutritional Considerations for Swine. Central Kentucky Hog Marketing Association (January 19, 2005).
7. Factors Affecting Infertility in Swine. Central Kentucky Hog Marketing Association (January 13, 2004).
8. Basics of Swine Immunity. Central Kentucky Hog Marketing Association (November 18, 2003).
9. Basics of Artificial Insemination. Central Kentucky Hog Marketing Association (January 30, 2003).
10. Swine Nutrition and Diet Basics. Central Kentucky Hog Marketing Association (December 19, 2002).
11. Evaluating Performance Data. Central Kentucky Hog Marketing Association (February 7, 2002).
12. Gilt Development. Central Kentucky Hog Marketing Association (January 29, 2002).
13. Ingredient and Feed Sampling and Analysis. Central Kentucky Hog Marketing Association (November 29, 2001).
14. Management for Antibiotic-Free Pork Production. Central Kentucky Hog Marketing Association (September 19, 2001).
15. Nutrient Recommendations and Swine Diets. Central Kentucky Hog Marketing Association (November 30, 2000).
16. Developing a Manure Management Plan. Central Kentucky Hog Marketing Association (March 7, 2000).
17. Ways to Reduce Your Production Costs. Central Kentucky Hog Marketing Association (December 16, 1999).
18. Managing and Caring for Newborn Pigs. Central Kentucky Hog Marketing Association (February 4, 1999).
19. Processing and Evaluating Boar Semen for Use with Artificial Insemination. Central Kentucky Hog Marketing Association (December 3, 1998).
20. Interpreting PigCHAMP Production Records. Central Kentucky Hog Marketing Association (March 12, 1998).
21. Genetics and Selection of Swine. Central Kentucky Hog Marketing Association (January 6, 1998).
22. Planning for Growth of a Swine Enterprise. Central Kentucky Hog Marketing Association (February 20, 1997).
23. Basic Reproductive Physiology of Gilts and Sows. Central Kentucky Hog Marketing Association (January 6, 1997).
24. Purchasing Feed Ingredients and Diets Cooperatively. P.I.G. (People Interested in Gain) Marketing Cooperative (October 22, 1996).
25. Interpreting Data from Kill Sheets Provided by IBP. P.I.G. (People Interested in Gain) Marketing Cooperative (September 17, 1996).
26. Feeding and Managing Growing-Finishing Pigs. P.I.G. (People Interested in Gain) Marketing Cooperative (April 25, 1996).
27. Feeding and Management Strategies for Nursery Pigs. P.I.G. (People Interested in Gain) Marketing Cooperative (April 15, 1996).
28. Basics of Swine Nutrition. P.I.G. (People Interested in Gain) Marketing Cooperative (March 25, 1996).
29. Economic Benefits of Artificial Insemination. Central Kentucky Hog Marketing Association (March 14, 1996).
30. Economics of Non-Productive Sow Days. Central Kentucky Hog Marketing Association (December 4, 1995).
31. Why Records are an Essential Component of Swine Production. Central Kentucky Hog Marketing Association (November 20, 1995).
32. Comparing Price Quotes Offered by Different Packers. P.I.G. (People Interested in Gain) Marketing Cooperative (September 7, 1995).

33. Current Trends in the Swine Industry. Central Kentucky Hog Marketing Association (March 9, 1995).
34. Methods of Improving Genetics and Carcass Quality. P.I.G. (People Interested in Gain) Marketing Cooperative (January 31, 1995).
35. Interpreting Data from Packer Kill Sheets. Bluegrass Area Pork Producers (October 27, 1994).
36. Forming a Marketing Cooperative. Bluegrass Area Pork Producers (November 2, 1994).
37. Matching Nutrition to the Genetic Potential of Swine. Central Kentucky Hog Marketing Association (November 3, 1994).

### **Introduction to Animal and Food Sciences (3)**

1. Digestive Physiology of Farm Animals – Introduction to Animal and Food Sciences Agent In-Service Training, Princeton, KY (December 14, 2004).
2. Digestive Physiology of Farm Animals – Introduction to Animal and Food Sciences Agent In-Service Training, Lexington, KY (December 16, 2004).
3. Digestive Physiology of Farm Animals – Introduction to Animal and Food Sciences Agent In-Service Training, Quicksand, KY (December 21, 2004).

### **Environmental Assurance Program Trainings (16):**

1. Environmental Assurance Program for Pork Producers and the Kentucky Agriculture Water Quality Plan. Casey County Pork, Dairy, and Beef Cattle Producers (February 1, 2000).
2. Environmental Assurance Program for Pork Producers and the Kentucky Agriculture Water Quality Plan. Bluegrass Area Pork Producers (December 14, 1999).
3. Environmental Assurance Program for Pork Producers and the Kentucky Agriculture Water Quality Plan. Warren County Pork Producers (December 13, 1999).
4. Environmental Assurance Program for Pork Producers and the Kentucky Agriculture Water Quality Plan. Caldwell/Trigg/Marion County Pork Producers (December 9, 1999).
5. Environmental Assurance Program for Pork Producers and the Kentucky Agriculture Water Quality Plan. Ohio County Pork Producers (November 15, 1999).
6. Environmental Assurance Program for Pork Producers and the Kentucky Agriculture Water Quality Plan. Union County Pork Producers (November 11, 1999).
7. Environmental Assurance Program for Pork Producers and the Kentucky Agriculture Water Quality Plan. Logan County Pork Producers (October 15, 1998).
8. Environmental Assurance Program for Pork Producers and the Kentucky Agriculture Water Quality Plan. Wayne County Pork Producers (May 19, 1998).
9. Environmental Assurance Program for Pork Producers and the Kentucky Agriculture Water Quality Plan. Breckinridge County Pork Producers (March 26, 1998).
10. Environmental Assurance Program for Pork Producers and the Kentucky Agriculture Water Quality Plan. McLean County Pork Producers (February 17, 1998).
11. Environmental Assurance Program for Pork Producers and the Kentucky Agriculture Water Quality Plan. Casey County Pork and Dairy Producers (January 13, 1998).
12. Environmental Assurance Program for Pork Producers and the Kentucky Agriculture Water Quality Plan. Christian, Todd, and Logan County Pork Producers (November 24, 1997).
13. Environmental Assurance Program for Pork Producers, the Kentucky Agriculture Water Quality Plan, and Overview of Emergency Swine Regulations. Central Kentucky Pork Producers (October 23, 1997).
14. Environmental Assurance Program for Pork Producers and the Kentucky Agriculture Water Quality Plan. Hardin County Pork Producers (April 17, 1997).
15. Environmental Assurance Program for Pork Producers and the Kentucky Agriculture Water Quality Plan. Graves County Pork Producers (March 14, 1997).
16. Environmental Assurance Program for Pork Producers. Kentucky Pork Producers Association Executive Board (October 23, 1996).

### **Animal Waste Focus Group of the Environmental and Natural Resources Issues Task Force (5)**

1. Assessment of the Potential for Livestock and Poultry Manure to Provide the Nutrients Removed by Crops and Forages in KY. UK College of Agriculture (October 26, 1999).
2. Mammoth Cave Area Agent Training on “Assessment of the Potential for Livestock and Poultry Manure to Provide the Nutrients Removed by Crops and Forages in Kentucky” (project of the Animal Waste Focus Group). Bowling Green, KY (October 13, 1999).
3. Purchase Area Agent Training on “Assessment of the Potential for Livestock and Poultry Manure to Provide the Nutrients Removed by Crops and Forages in Kentucky” (project of the Animal Waste Focus Group). Paducah, KY (September 8, 1999).
4. Pennyrile Area Agent Training on “Assessment of the Potential for Livestock and Poultry Manure to Provide the Nutrients Removed by Crops and Forages in Kentucky” (project of the Animal Waste Focus Group). Princeton, KY (September 8, 1999).
5. Green River Area Agent Training on “Assessment of the Potential for Livestock and Poultry Manure to Provide the Nutrients Removed by Crops and Forages in Kentucky” (project of the Animal Waste Focus Group). Hartford, KY (September 8, 1999).

### **Pork Quality Assurance Level III and Pork Quality Assurance Plus Certification Training Programs (41)**

1. Pork Quality Assurance Plus Advisor Certification Training for Kentucky, Tennessee, and Indiana Extension Agents. Elizabethtown, KY (April 25, 2016).
2. Pork Quality Assurance Plus Producer Certification Training. Morgantown, KY (October 20, 2014).
3. Pork Quality Assurance Plus Producer Certification Training. Russellville, KY (October 15, 2014).
4. Pork Quality Assurance Plus Advisor Certification Training for Tosh Pork LLC Personnel. Henry, TN (October 6, 2014).
5. Pork Quality Assurance Plus Producer Certification Training. Hopkinsville, KY (June 2, 2014).
6. Pork Quality Assurance Plus Producer Certification Training. New Castle, KY (May 8, 2014).
7. Pork Quality Assurance Plus Producer Certification Training. Dawson Springs, KY (April 28, 2014).
8. Pork Quality Assurance Plus Producer Certification Training. Morganfield, KY (March 27, 2014).
9. Pork Quality Assurance Plus Advisor Certification Training for PIC Bilingual Technical Service Personnel. Hendersonville, TN (March 18, 2014).
10. Pork Quality Assurance Plus Producer Certification Training. Marion, KY (March 7, 2014).
11. Pork Quality Assurance Plus Producer Certification Training. Princeton, KY (November 13, 2013).
12. Pork Quality Assurance Plus Advisor Certification Training for PIC Technical Service Personnel. Hendersonville, TN (September 4, 2013).
13. Pork Quality Assurance Plus Advisor Re-Certification Training for Agents. Elizabethtown, KY (May 7, 2013).
14. Pork Quality Assurance Plus Producer Certification Training. Oneida, KY (January 9, 2012).
15. Pork Quality Assurance Plus Advisor Certification Training for Neogen Corp. personnel. Lexington, KY (December 6, 2011).
16. Pork Quality Assurance Plus Advisor Certification Training for Veterinarians. Princeton, KY (March 16, 2011).
17. Pork Quality Assurance Plus Producer Certification Training. Lexington, TN (December 7, 2010).
18. Pork Quality Assurance Plus Producer Certification Training. Princeton, KY (October 5, 2010).
19. Pork Quality Assurance Plus Advisor Re-Certification Training for Agents. Elizabethtown, KY (September 15, 2010).
20. Pork Quality Assurance Plus Producer Certification Training. Marion, KY (May 25, 2010).
21. Pork Quality Assurance Plus Producer Certification Training. Burkesville, KY (March 11, 2010).

22. Pork Quality Assurance Plus Advisor Site Assessment Training for Agents. Bardstown, KY (October 12, 2009).
23. Pork Quality Assurance Plus Producer Certification Training. Owensboro, KY (August 11, 2009).
24. Pork Quality Assurance Plus Producer Certification Training. Hopkinsville, KY (April 23, 2009).
25. Pork Quality Assurance Plus Producer Certification Training. Princeton, KY (January 23, 2008).
26. Pork Quality Assurance Plus Advisor Certification Training for Agents. Elizabethtown, KY (October 30, 2007).
27. Pork Quality Assurance Level III Re-Verification Training for Producers and Agents. Elkton, KY (December 12, 2002).
28. Pork Quality Assurance Level III Re-Verification Training for Producers and Agents. Paris, KY (April 10, 2001).
29. Pork Quality Assurance Level III Re-Verification Training for Producers and Agents. Owensboro, KY (March 29, 2001).
30. Pork Quality Assurance Level III Re-Verification Training for Producers and Agents. Princeton, KY (March 27, 2001).
31. Pork Quality Assurance Level III Re-Verification Training for Producers and Agents. Calhoun, KY (February 5, 2001).
32. Pork Quality Assurance Level III Training Program. Adult Agriculture Educators Conference, Glasgow, KY (December 9, 1998).
33. Pork Quality Assurance Level III Training for Producers and Agents. Mayfield, KY (November 3, 1998).
34. Pork Quality Assurance Level III Training for Producers and Agents. Princeton, KY (November 2, 1998).
35. Pork Quality Assurance Level III Training for Producers and Agents. Morganfield, KY (October 29, 1998).
36. Pork Quality Assurance Level III Training for Producers and Agents. Russellville, KY (October 29, 1998).
37. Pork Quality Assurance Level III Training for Producers and Agents. Calhoun, KY (October 28, 1998).
38. Pork Quality Assurance Level III Training for Producers and Agents. Falls of Rough, KY (October 28, 1998).
39. Pork Quality Assurance Level III Training for Producers and Agents. Elizabethtown, KY (October 27, 1998).
40. Pork Quality Assurance Level III Training for Producers and Agents. Bardstown, KY (October 27, 1998).
41. Pork Quality Assurance Level III Training for Producers and Agents. Paris, KY (October 26, 1998).

#### **Pork Quality Assurance Plus Farm Site Assessments for Kentucky Producers (79)**

- 14 assessments conducted in 2015.
- 11 assessments conducted in 2014.
- 9 assessments conducted in 2013.
- 5 assessments conducted in 2012.
- 5 assessments conducted in 2011.
- 18 assessments conducted in 2010.
- 17 assessments conducted in 2009.

#### **Pork Quality Assurance Plus Farm Site Assessments for Tennessee Producers (52)**

- 11 assessments conducted in 2015.
- 9 assessments conducted in 2014.



- 10 assessments conducted in 2013.
- 6 assessments conducted in 2012.
- 8 assessments conducted in 2011.
- 8 assessments conducted in 2010.

#### **Manure Management Planner Spreadsheet Workshops (5)**

1. Using the Manure Management Planner Spreadsheet. Kentucky Pork Producers Association Annual Convention. Owensboro, KY (January 26, 2002).
2. Determining Manure Application Rates with the Manure Management Planner Spreadsheet. UK College of Agriculture Princeton Field Day (July 20, 2000).
3. Agent Training on using the Manure Management Planner Spreadsheet. Princeton, KY (April 10, 2000).
4. Agent Training on using the Manure Management Planner Spreadsheet. Elizabethtown, KY (April 17, 2000).
5. Producer training on using the Manure Management Planner Spreadsheet. Bardstown, KY (March 7, 2000).

#### **Artificial Insemination Workshops (6)**

1. Swine Artificial Insemination Clinic. Marion County Pork Producers (November 7, 2010).
2. Swine Artificial Insemination Clinic. Casey County Pork Producers (January 20, 1998).
3. Swine Artificial Insemination Clinic. Wayne County Pork Producers (April 3, 1996).
4. Swine Artificial Insemination Clinic. Bluegrass Area Pork Producers (February 26, 1996).
5. Swine Artificial Insemination Clinic. Central Kentucky Area Pork Producers (July 12, 1995).
6. Swine Artificial Insemination Workshop. Mason/Fleming County Pork Producers (February 10, 1995).

#### **EPA Air Consent Agreement Trainings (8)**

1. EPA Animal Feeding Operations Air Emissions Consent Agreement and National Monitoring Study. Mayfield, KY (March 29, 2005).
2. EPA Animal Feeding Operations Air Emissions Consent Agreement and National Monitoring Study. Bowling Green, KY (March 23, 2005).
3. EPA Animal Feeding Operations Air Emissions Consent Agreement and National Monitoring Study. Hopkinsville, KY (March 22, 2005).
4. EPA Animal Feeding Operations Air Emissions Consent Agreement and National Monitoring Study. Calhoun, KY (March 21, 2005).
5. EPA Animal Feeding Operations Air Emissions Consent Agreement and National Monitoring Study. Bardstown, KY (March 17, 2005).
6. EPA Animal Feeding Operations Air Emissions Consent Agreement and National Monitoring Study. Flemingsburg, KY (March 15, 2005).
7. EPA Animal Feeding Operations Air Emissions Consent Agreement and National Monitoring Study. KPPA Board (March 10, 2005).
8. EPA Animal Feeding Operations Air Emissions Consent Agreement and National Monitoring Study. District 7 Agents for Agriculture and Natural Resources (March 9, 2005).

#### **Other County and Multi-County Presentations (27)**

1. Keys to Successful Small Swine Operations. Estill County Farm Field Day (September 30, 2008).
2. Added Value of Swine Operations. Meet Your Neighbor Event sponsored by the Kentucky Soybean Association at the Kimball Farm in Clinton, KY (June 23, 2008).

3. Overview of High-Rise Manure Composting Swine Production Facility. Kentucky Agricultural Development Board (March 13, 2008).
4. Comprehensive Nutrient Management Plans (CNMP's) for Swine Producers. Kentucky Division of Water, Kentucky NRCS, and Kentucky Division of Conservation personnel (August 7, 2007).
5. Overview of New Federal AFO/ CAFO Regulations. Central Kentucky Area Pork and Dairy Producers (February 27, 2003).
6. Panel on Report from the Committee on Agent Training and Support. Kentucky Biennial Specialists and Associates Meeting (March 12, 2002).
7. Pig Production in Southern China. UK Research & Education Center Faculty and Staff (December 3, 2001).
8. Confined Animal Feeding Operations and the Environment. Future of Allen County Agriculture Forum (November 16, 1999).
9. The Changing Face of Agriculture. Leadership Hopkinsville Agriculture Day (November 12, 1999).
10. Update on Plans for Kentucky Swine Development and Training Center. UKREC (October 5, 1998).
11. Wean-to-Finish Buildings for Swine. UK College of Agriculture Princeton Field Day (July 16, 1998).
12. Overview of Emergency Swine Regulations. Bluegrass Area Pork Producers (November 5, 1997).
13. Overview of Emergency Swine Regulations. Wayne County Pork Producers (October 21, 1997).
14. Overview of Emergency Swine Regulations. Graves County Pork Producers (October 20, 1997).
15. Using Artificial Insemination in Your Swine Herd. UK College of Agriculture Princeton Field Day (July 18, 1996).
16. Do You Want to Survive or Compete in Today's Swine Industry? Hardin County Pork Profitability Forum (March 2, 1996).
17. Artificial Insemination as a Means of Improving Genetics and Reproductive Efficiency. Wayne County Pork Producers (February 27, 1996).
18. Feeding and Managing Weanling Pigs. Logan County Pork Producers (November 30, 1995).
19. Update on Swine Extension Programs at the University of Kentucky. Kentucky Swine Feed Industry Conference (November 17, 1995).
20. Selection and Management for High Lean Growth. Wayne County Field Day (October 30, 1995).
21. Educational Program Development and Goal Setting. Wayne County Kentucky Leadership for Agricultural and Environmental Sustainability (K.L.A.E.S.) grant recipients (May 30, 1995).
22. Packer Carcass Merit Buying Programs. Breckinridge/Meade County Winter Meeting (February 23, 1995).
23. Nutrition and Management of Weanling Pigs. Nelson County Field Day (July 25, 1995).
24. Current Swine Management Practices. Mason/Fleming County Pork Producers (January 9, 1995).
25. Feeding Swine for Lean Growth. Wayne County Pork Producers (October 3, 1994).
26. Spray-Dried Porcine Plasma for Early Weaned Pigs. Kentucky Swine Feed Industry Conference (October 14, 1994).
27. Protein Sources for Early Weaned Pigs. UK College of Agriculture Princeton Field Day (July 21, 1994).

**Radio Presentations (42):**

***(Taped and distributed through the University of Kentucky College of Agriculture, Agricultural Communications)***

1. Daily Farrowing House Check List (June 29, 2012).
2. Managing Diarrhea in G-F Pigs (December 13, 2011).
3. Improving Efficiencies with High Feed Prices (April 26, 2011).

4. Reducing Odors from Manure Applications (April 13, 2011).
5. Time for Producers to Re-Focus (July 6, 2010).
6. PQA Plus Program for Pork Producers (March 23, 2010).
7. Type A H1N1 Influenza Virus (June 29, 2009).
8. Winterizing Swine Buildings (December 8, 2008).
9. Tools to Cope with High Feed Prices (August 6, 2008).
10. Gestation Sow Housing – Which is Best (May 23, 2007).
11. Help for Rising Energy Costs (November 22, 2005).
12. Combating the Summer Breeding Slump (July 5, 2005).
13. EPA Livestock Air Emissions Consent Agreement (March 8, 2005).
14. Distillers Dried Grains with Solubles (December 7, 2004).
15. Alternatives to Antibiotics (June 29, 2004).
16. Get Ready for Summer (March 30, 2004).
17. Swine Welfare Assurance Program (October 21, 2003).
18. Antibiotic-Free Pork Production (July 11, 2003).
19. Country of Origin Labeling (April 3, 2003).
20. Don't Forget the Water (June 11, 2002).
21. Biosecurity for Swine Operations (April 23, 2002).
22. Developing an Environmental Emergency Action Plan (November 27, 2001).
23. Dealing with Seasonal Infertility in the Sow Herd (September 4, 2001).
24. Preparing Swine Facilities for the Summer Months (April 3, 2001).
25. Emergency Regulations for Swine Operations (December 3, 1997).
26. Regulations for Permitting Swine Manure Facilities (December 3, 1997).
27. Kentucky Agriculture Water Quality Plan (June 24, 1997).
28. Activities at the World Pork Expo (June 6, 1997).
29. What Weight Should You Market Your Hogs (April 14, 1997).
30. Changes in Market Hog Pricing and Reporting (February 6, 1997).
31. Rodent Control in Swine Facilities (November 25, 1996).
32. Composting Dead Swine (September 23, 1996).
33. Treat Corn Like Gold (June 19, 1996).
34. H.O.G.S. (Helping Others Grow Swine) Program (March 25, 1996).
35. Surviving High Corn and Soybean Meal Prices (January 8, 1996).
36. Importance of Scales to a Swine Operation (December 4, 1995).
37. Contracting in the Pork Industry (May 8, 1995).
38. Importance of Feed in Reducing Cost of Production (March 20, 1995).
39. Competing in Today's Pork Industry (February 6, 1995).
40. Producer Networking (December 12, 1994).
41. The Many Uses of Pigs (October 31, 1994).
42. Methods of Reducing Fat and Increasing Muscle in Market Hogs (September 12, 1994).

## **COUNTY AND MULTI-COUNTY EDUCATIONAL PRESENTATIONS FOR YOUTH/YOUTH EDUCATORS (YOUTH EXTENSION)**

### **4-H Youth Development Trainings for Agents/Adult Volunteer Leaders (3)**

1. Updates to the Kentucky 4-H Livestock/Horse Volunteer Certification Program – 4-H Agent In-Service Training. Lexington, KY (November 28, 2012).
2. Overview of New Ownership, Possession, and Care Rules for Kentucky 4-H/FFA Youth Breeding and Market Livestock Projects – Extension Administrators Meeting. Lexington, KY (January 5, 2011).
3. Implementation of the New Ownership, Possession, and Care Rules for Kentucky 4-H/FFA Youth Breeding and Market Livestock Projects – 4-H Agent In-Service Training. Lexington, KY (December 2, 2010).

### **Kentucky 4-H Livestock Volunteer Re-Certification Workshops (3 Workshops, 9 Presentations):**

1. What's New in Animal Sciences Programs, Projects, and Activities – Kentucky 4-H Livestock Volunteer Re-Certification Workshop. Lake Cumberland Educational Center (December 10-11, 2010).
2. Paperwork! Forms! Deadlines! Keeping it All Straight! – Kentucky 4-H Livestock Volunteer Re-Certification Workshop. Lake Cumberland Educational Center (December 10-11, 2010).
3. Teaching Advanced Animal Nutrition – Kentucky 4-H Livestock Volunteer Re-Certification Workshop. Lake Cumberland Educational Center (December 10-11, 2010).
4. What's New in Animal Sciences Programs, Projects, and Activities – Kentucky 4-H Livestock Volunteer Re-Certification Workshop. Kenlake State Resort Park (February 26-27, 2010).
5. Paperwork! Forms! Deadlines! Keeping it All Straight! – Kentucky 4-H Livestock Volunteer Re-Certification Workshop. Kenlake State Resort Park (February 26-27, 2010).
6. Digestive Physiology of Farm Animals – Kentucky 4-H Livestock Volunteer Re-Certification Workshop. Kenlake State Resort Park (February 26-27, 2010).
7. What's New in Animal Sciences Programs, Projects, and Activities – Kentucky 4-H Livestock Volunteer Re-Certification Workshop. General Butler State Resort Park (January 8-9, 2010).
8. Paperwork! Forms! Deadlines! Keeping it All Straight! – Kentucky 4-H Livestock Volunteer Re-Certification Workshop. General Butler State Resort Park (January 8-9, 2010).
9. Digestive Physiology of Farm Animals – Kentucky 4-H Livestock Volunteer Re-Certification Workshop. General Butler State Resort Park (January 8-9, 2010).

### **Kentucky 4-H Livestock and Horse Volunteer Certification Workshops (24 Workshops, 80 Presentations):**

1. Introducing Volunteer Certification for Livestock and Horse – Kentucky 4-H Livestock and Horse Volunteer Certification Workshop. General Butler State Resort Park (December 4-5, 2015).
2. Using the Livestock Discovery CD – Kentucky 4-H Livestock and Horse Volunteer Certification Workshop. General Butler State Resort Park (December 4-5, 2015).
3. Ethics in 4-H Livestock Projects – Kentucky 4-H Livestock and Horse Volunteer Certification Workshop. General Butler State Resort Park (December 4-5, 2015).
4. Introducing Volunteer Certification for Livestock and Horse – Kentucky 4-H Livestock and Horse Volunteer Certification Workshop. Barren River State Resort Park (November 20-21, 2015).
5. Using the Livestock Discovery CD – Kentucky 4-H Livestock and Horse Volunteer Certification Workshop. Barren River State Resort Park (November 20-21, 2015).
6. Ethics in 4-H Livestock Projects – Kentucky 4-H Livestock and Horse Volunteer Certification Workshop. Barren River State Resort Park (November 20-21, 2015).
7. Introducing Volunteer Certification for Livestock and Horse – Kentucky 4-H Livestock and Horse Volunteer Certification Workshop. General Butler State Resort Park (November 21-22, 2014).
8. Using the Livestock Discovery CD – Kentucky 4-H Livestock and Horse Volunteer Certification Workshop. General Butler State Resort Park (November 21-22, 2014).

9. Ethics in 4-H Livestock Projects – Kentucky 4-H Livestock and Horse Volunteer Certification Workshop. General Butler State Resort Park (November 21-22, 2014).
10. Introducing Volunteer Certification for Livestock and Horse – Kentucky 4-H Livestock and Horse Volunteer Certification Workshop. Barren River State Resort Park (September 26-27, 2014).
11. Using the Livestock Discovery CD – Kentucky 4-H Livestock and Horse Volunteer Certification Workshop. Barren River State Resort Park (September 26-27, 2014).
12. Ethics in 4-H Livestock Projects – Kentucky 4-H Livestock and Horse Volunteer Certification Workshop. Barren River State Resort Park (September 26-27, 2014).
13. Introducing Volunteer Certification for Livestock and Horse – Kentucky 4-H Livestock and Horse Volunteer Certification Workshop. General Butler State Resort Park (December 6-7, 2013).
14. Using the Livestock Discovery CD – Kentucky 4-H Livestock and Horse Volunteer Certification Workshop. General Butler State Resort Park (December 6-7, 2013).
15. Ethics in 4-H Livestock Projects – Kentucky 4-H Livestock and Horse Volunteer Certification Workshop. General Butler State Resort Park (December 6-7, 2013).
16. Introducing Volunteer Certification for Livestock and Horse – Kentucky 4-H Livestock and Horse Volunteer Certification Workshop. Barren River State Resort Park (October 18-19, 2013).
17. Using the Livestock Discovery CD – Kentucky 4-H Livestock and Horse Volunteer Certification Workshop. Barren River State Resort Park (October 18-19, 2013).
18. Ethics in 4-H Livestock Projects – Kentucky 4-H Livestock and Horse Volunteer Certification Workshop. Barren River State Resort Park (October 18-19, 2013).
19. Teaching Advanced Animal Nutrition – Kentucky 4-H Livestock and Horse Volunteer Certification Workshop. Barren River State Resort Park (October 18-19, 2013).
20. Using Animal Science Project Books – Kentucky 4-H Livestock and Horse Volunteer Certification Workshop. Barren River State Resort Park (October 18-19, 2013).
21. Introducing Volunteer Certification for Livestock and Horse – Kentucky 4-H Livestock and Horse Volunteer Certification Workshop. General Butler State Resort Park (November 30-December 1, 2012).
22. Using the Livestock Discovery CD – Kentucky 4-H Livestock and Horse Volunteer Certification Workshop. General Butler State Resort Park (November 30-December 1, 2012).
23. Using Animal Science Project Books – Kentucky 4-H Livestock and Horse Volunteer Certification Workshop. General Butler State Resort Park (November 30-December 1, 2012).
24. Introducing Volunteer Certification for Livestock and Horse – Kentucky 4-H Livestock and Horse Volunteer Certification Workshop. Barren River State Resort Park (September 28-29, 2012).
25. Using the Livestock Discovery CD – Kentucky 4-H Livestock and Horse Volunteer Certification Workshop. Barren River State Resort Park (September 28-29, 2012).
26. Ethics in 4-H Livestock Projects – Kentucky 4-H Livestock and Horse Volunteer Certification Workshop. Barren River State Resort Park (September 28-29, 2012).
27. Teaching Advanced Animal Nutrition – Kentucky 4-H Livestock and Horse Volunteer Certification Workshop. Barren River State Resort Park (September 28-29, 2012).
28. Using Animal Science Project Books – Kentucky 4-H Livestock and Horse Volunteer Certification Workshop. Barren River State Resort Park (September 28-29, 2012).
29. Introducing Volunteer Certification for Livestock and Horse – Kentucky 4-H Livestock and Horse Volunteer Certification Workshop. Cumberland Falls State Resort Park (December 2-3, 2011).
30. Using the Livestock Discovery CD – Kentucky 4-H Livestock and Horse Volunteer Certification Workshop. Cumberland Falls State Resort Park (December 2-3, 2011).
31. Ethics in 4-H Livestock Projects – Kentucky 4-H Livestock and Horse Volunteer Certification Workshop. Cumberland Falls State Resort Park (December 2-3, 2011).
32. Using Animal Science Project Books – Kentucky 4-H Livestock and Horse Volunteer Certification Workshop. Cumberland Falls State Resort Park (December 2-3, 2011).

33. Introducing Volunteer Certification for Livestock and Horse – Kentucky 4-H Livestock and Horse Volunteer Certification Workshop. Blue Licks Battlefield State Resort Park (September 30-October 1, 2011).
34. Jeopardy Review of Material Covered During First Night of Workshop – Kentucky 4-H Livestock and Horse Volunteer Certification Workshop. Blue Licks Battlefield State Resort Park (September 30-October 1, 2011).
35. Guided Tour of the Livestock Volunteer Certification Resource Kit/Resource Manuals – Kentucky 4-H Livestock and Horse Volunteer Certification Workshop. Blue Licks Battlefield State Resort Park (September 30-October 1, 2011).
36. Using the Livestock Discovery CD – Kentucky 4-H Livestock and Horse Volunteer Certification Workshop. Blue Licks Battlefield State Resort Park (September 30-October 1, 2011).
37. High-Tech Method for Teaching Feedstuffs Identification – Kentucky 4-H Livestock and Horse Volunteer Certification Workshop. Blue Licks Battlefield State Resort Park (September 30-October 1, 2011).
38. Using Animal Science Project Books – Kentucky 4-H Livestock and Horse Volunteer Certification Workshop. Blue Licks Battlefield State Resort Park (September 30-October 1, 2011).
39. Conducting a Skillathon Contest – Kentucky 4-H Livestock and Horse Volunteer Certification Workshop. Blue Licks Battlefield State Resort Park (September 30-October 1, 2011).
40. Ethics in 4-H Livestock Projects – Kentucky 4-H Livestock and Horse Volunteer Certification Workshop. Blue Licks Battlefield State Resort Park (September 30-October 1, 2011).
41. Using the Livestock Discovery CD – Kentucky 4-H Livestock and Horse Volunteer Certification Workshop. Kenlake State Resort Park (February 25-26, 2011).
42. High-Tech Method for Teaching Feedstuffs Identification – Kentucky 4-H Livestock and Horse Volunteer Certification Workshop. Kenlake State Resort Park (February 25-26, 2011).
43. Conducting a Skillathon Contest – Kentucky 4-H Livestock and Horse Volunteer Certification Workshop. Kenlake State Resort Park (February 25-26, 2011).
44. Jeopardy Review of Material Covered During First Night of Workshop – Kentucky 4-H Livestock and Horse Volunteer Certification Workshop. Kenlake State Resort Park (February 25-26, 2011).
45. Using the Livestock Discovery CD – Kentucky 4-H Livestock and Horse Volunteer Certification Workshop. Barren River Lake State Resort Park (January 7-8, 2011).
46. High-Tech Method for Teaching Feedstuffs Identification – Kentucky 4-H Livestock and Horse Volunteer Certification Workshop. Barren River Lake State Resort Park (January 7-8, 2011).
47. Conducting a Skillathon Contest – Kentucky 4-H Livestock and Horse Volunteer Certification Workshop. Barren River Lake State Resort Park (January 7-8, 2011).
48. Using the Livestock Discovery CD – Kentucky 4-H Livestock and Horse Volunteer Certification Workshop. Buckhorn Lake State Resort Park (October 22-23, 2010).
49. High-Tech Method for Teaching Feedstuffs Identification – Kentucky 4-H Livestock and Horse Volunteer Certification Workshop. Buckhorn Lake State Resort Park (October 22-23, 2010).
50. Conducting a Skillathon Contest – Kentucky 4-H Livestock and Horse Volunteer Certification Workshop. Buckhorn Lake State Resort Park (October 22-23, 2010).
51. Using the Livestock Discovery CD – Kentucky 4-H Livestock Volunteer Certification Workshop. Rough River Dam State Resort Park (December 4-5, 2009).
52. High-Tech Method for Teaching Feedstuffs Identification – Kentucky 4-H Livestock Volunteer Certification Workshop. Rough River Dam State Resort Park (December 4-5, 2009).
53. Conducting a Skillathon Contest – Kentucky 4-H Livestock Volunteer Certification Workshop. Rough River Dam State Resort Park (December 4-5, 2009).
54. Using the Livestock Discovery CD – Kentucky 4-H Livestock Volunteer Certification Workshop. General Butler State Resort Park (January 9-10, 2009).
55. High-Tech Method for Teaching Feedstuffs Identification – Kentucky 4-H Livestock Volunteer Certification Workshop. General Butler State Resort Park (January 9-10, 2009).
56. Conducting a Skillathon Contest – Kentucky 4-H Livestock Volunteer Certification Workshop. General Butler State Resort Park (January 9-10, 2009).

57. Using the Livestock Discovery CD – Kentucky 4-H Livestock Volunteer Certification Workshop. Lake Cumberland State Resort Park (September 26-27, 2008).
58. High-Tech Method for Teaching Feedstuffs Identification – Kentucky 4-H Livestock Volunteer Certification Workshop. Lake Cumberland State Resort Park (September 26-27, 2008).
59. Using the Livestock Discovery CD – Kentucky 4-H Livestock Volunteer Certification Workshop. General Butler State Resort Park (January 4-5, 2008).
60. High-Tech Method for Teaching Feedstuffs Identification – Kentucky 4-H Livestock Volunteer Certification Workshop. General Butler State Resort Park (January 4-5, 2008).
61. Using the Livestock Discovery CD – Kentucky 4-H Livestock Volunteer Certification Workshop. General Butler State Resort Park (January 5-6, 2007).
62. High-Tech Method for Teaching Feedstuffs Identification – Kentucky 4-H Livestock Volunteer Certification Workshop. General Butler State Resort Park (January 5-6, 2007).
63. Using the Livestock Discovery CD – Kentucky 4-H Livestock Volunteer Certification Workshop. Rough River Dam State Resort Park (December 8-9, 2006).
64. High-Tech Method for Teaching Feedstuffs Identification – Kentucky 4-H Livestock Volunteer Certification Workshop. Rough River Dam State Resort Park (December 8-9, 2006).
65. Conducting a Skillathon Contest – Kentucky 4-H Livestock Volunteer Certification Workshop. Rough River Dam State Resort Park (December 8-9, 2006).
66. Using the Livestock Discovery CD – Kentucky 4-H Livestock Volunteer Certification Workshop. General Butler State Resort Park (January 6-7, 2006).
67. High-Tech Method for Teaching Feedstuffs Identification – Kentucky 4-H Livestock Volunteer Certification Workshop. General Butler State Resort Park (January 6-7, 2006).
68. Conducting a Skillathon Contest – Kentucky 4-H Livestock Volunteer Certification Workshop. General Butler State Resort Park (January 6-7, 2006).
69. Using the Livestock Discovery CD – Kentucky 4-H Livestock Volunteer Certification Workshop. Buckhorn Lake State Resort Park (December 2-3, 2005).
70. High-Tech Method for Teaching Feedstuffs Identification – Kentucky 4-H Livestock Volunteer Certification Workshop. Buckhorn Lake State Resort Park (December 2-3, 2005).
71. Conducting a Skillathon Contest – Kentucky 4-H Livestock Volunteer Certification Workshop. Buckhorn Lake State Resort Park (December 2-3, 2005).
72. Using the Livestock Discovery CD – Kentucky 4-H Livestock Volunteer Certification Workshop. Pennyrile Forest State Resort Park (October 10-11, 2005).
73. High-Tech Method for Teaching Feedstuffs Identification – Kentucky 4-H Livestock Volunteer Certification Workshop. Pennyrile Forest State Resort Park (October 10-11, 2005).
74. Conducting a Skillathon Contest – Kentucky 4-H Livestock Volunteer Certification Workshop. Pennyrile Forest State Resort Park (October 10-11, 2005).
75. Using the Livestock Discovery CD – Kentucky 4-H Livestock Volunteer Certification Workshop. Lexington, KY (February 18-19, 2005).
76. High-Tech Method for Teaching Feedstuffs Identification – Kentucky 4-H Livestock Volunteer Certification Workshop. Lexington, KY (February 18-19, 2005).
77. Conducting a Skillathon Contest – Kentucky 4-H Livestock Volunteer Certification Workshop. Lexington, KY (February 18-19, 2005).
78. Using the Livestock Discovery CD – Kentucky 4-H Livestock Volunteer Certification Workshop. Rough River Dam State Resort Park (January 14-15, 2005).
79. High-Tech Method for Teaching Feedstuffs Identification – Kentucky 4-H Livestock Volunteer Certification Workshop. Rough River Dam State Resort Park (January 14-15, 2005).
80. Conducting a Skillathon Contest – Kentucky 4-H Livestock Volunteer Certification Workshop. Rough River Dam State Resort Park (January 14-15, 2005).

**Livestock Judging Clinics/Trainings or Contests (51 Clinics/Trainings, 100 Contests):**

1. North American International Livestock Exposition National 4-H Livestock Judging Contest (2017, 2018, 2019, 2021).
2. Kentucky State 4-H Livestock Judging Contest (1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2021).
3. Clark County Livestock Judging Contest (2014).
4. CPC Field Day Beef Cattle Judging Contest (2011).
5. All East Collegiate Livestock Judging and Evaluation Contest (2008, 2018).
6. North American International Livestock Exposition National Junior College Livestock Judging Contest (1997, 1998, 2005).
7. North American International Livestock Exposition National Collegiate Livestock Judging Contest (1997, 1998, 2005).
8. National Swine Registry Junior Summer Spectacular Livestock Judging Contest (2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015).
9. West Kentucky Livestock Judging Clinic and Contest (1999, 2000, 2001, 2002, 2003, 2004, 2006, 2007, 2008, 2009, 2010, 2011, 2012).
10. Kentucky 4-H All-Star Livestock Judging Team Training (1995, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2014).
11. Western Rivers Junior Livestock Expo Livestock Judging Clinics and Contests (2004, 2005, 2006, 2007).
12. FFA Field Day Livestock Judging Clinic and Contest (2005).
13. West Kentucky Jr. Livestock Expo Livestock Judging Clinics and Contests (2001, 2002, 2003, 2004, 2008, 2009, 2010, 2011, 2014).
14. Christian County 4-H Livestock Judging Team Swine Judging Clinic (2000).
15. Lake Cumberland Swine Classic Judging Clinic and Contest (1994, 1995, 1996, 1997, 1998, 1999, 2000).
16. Pulaski County Livestock Judging Clinic and Contest (1999).
17. Casey County Livestock Judging Clinic and Contest (1995, 1996, 1997, 1998).
18. Green River District Swine Judging Clinic and Contest (1996, 1997, 1998).
19. Nelson County Fair Livestock Judging Contest (1996, 1997).
20. Kentucky State 4-H Horse Judging Contest (1996).
21. Central Kentucky Swine Judging Clinic (1995).

**Skillathon Contests (44):**

1. North American International Livestock Exposition National 4-H Livestock Skillathon Contest (2017, 2018, 2019, 2021).
2. Kentucky 4-H Livestock Skillathon Contest (2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2021).
3. Chiangus Junior National Stockman Contest (2007).
4. West Regional 4-H Skillathon Contest (2001, 2002, 2003, 2004, 2005, 2006, 2007).
5. Central Regional 4-H Skillathon Contest (2005, 2006, 2007).
6. East Regional 4-H Skillathon Contest (2005, 2006, 2007).
7. Western Rivers Junior Livestock Expo Skillathon Contests (2004, 2005, 2006, 2007).
8. West Kentucky Junior Livestock Expo Skillathon Contest (2001, 2002, 2003, 2004).
9. West Kentucky Skillathon Contest (2000, 2001, 2002, 2003, 2004).

**National/State FFA Convention – Judge for Competitive Events (9)**

1. Judge for Kentucky Agri-Science Fair. Lexington, KY (May 28, 2021)
2. Judge for Kentucky Agri-Science Fair. Lexington, KY (June 24, 2020)



3. Judge for Kentucky Agri-Science Fair. Lexington, KY (June 6, 2019)
4. Judge for Kentucky Agri-Science Fair. Lexington, KY (June 6, 2018)
5. Judge for Kentucky Agri-Science Fair. Lexington, KY (June 7, 2017)
6. Judge for Kentucky Agri-Science Fair. Lexington, KY (June 8, 2016).
7. Judge for Kentucky Agri-Science Fair. Lexington, KY (June 10, 2015).
8. Judge for National Agri-Science Fair. Louisville, KY (October 30, 2013)
9. Judge for National Swine Production – Placement Category. Louisville, KY (October 31, 2013).

**National Postsecondary Agriculture Students Organization National Conference – Judge for Competitive Events (1)**

1. Judge for Swine Category in Livestock Contest. Louisville, KY (March 19, 2013).

**Youth Pork Quality Assurance Program Training (10):**

1. Youth Pork Quality Assurance Program for 4-H/ FFA Swine Exhibitors – Henderson County (2004).
2. Pork Quality Assurance Level III Youth Training Program for 4-H/ FFA Swine Exhibitors – Meade County (2003).
3. Pork Quality Assurance Level III Youth Training Program for 4-H/ FFA Swine Exhibitors – Henderson County (2003).
4. Pork Quality Assurance Level III Youth Training Program for 4-H/ FFA Swine Exhibitors – Henderson County (2002).
5. Pork Quality Assurance Level III Youth Training Program for 4-H/ FFA Swine Exhibitors – McLean County (2002).
6. Pork Quality Assurance Level III Youth Training Program for 4-H/ FFA Swine Exhibitors – Henderson County (2001).
7. Pork Quality Assurance Level III Youth Training Program for 4-H/ FFA Swine Exhibitors – McLean County (2000).
8. Pork Quality Assurance Level III Youth Training Program for 4-H/ FFA Swine Exhibitors – Henderson County (2000).
9. Pork Quality Assurance Level III Youth Training Program for 4-H/ FFA Swine Exhibitors – Henderson County (2000).
10. Pork Quality Assurance Level III Youth Training Program for 4-H/ FFA Swine Exhibitors – North American International Livestock Exposition (1999).

**Youth Pork Quality Assurance Program Train-the-Trainer Workshops (4):**

1. Elizabethtown, KY (September 27, 2006)
2. Brandenburg, KY (September 1, 2005).
3. Calhoun, KY (March 16, 2005).
4. Owensboro, KY (February 7, 2005).

**Kentucky 4-H Volunteer Forum (13):**

1. Engaging Youth in 4-H Livestock Programs: What's New for 2014. Kentucky 4-H Volunteer Forum, Lexington, KY (January 31, 2014).
2. Exposing Youth to Ethical Decision-Making and Modeling Ethical Behavior. Kentucky 4-H Volunteer Forum, Lexington, KY (January 31, 2014).
3. What's New in 2012 for Livestock Programs/Projects. Kentucky 4-H Volunteer Forum, Lexington, KY (February 10, 2012).
4. Teaching Oral Reasons. Kentucky 4-H Volunteer Forum, Lexington, KY (February 10, 2012).
5. Reproductive Anatomy and Functions. Kentucky 4-H Volunteer Forum, Lexington, KY (February 11, 2012).
6. Teaching Advanced Animal Nutrition. Kentucky 4-H Volunteer Forum, Lexington, KY (February 11, 2012).

7. Future Directions for 4-H Livestock Programs. Kentucky 4-H Volunteer Forum, Lexington, KY (February 13, 2010).
8. Future Directions for 4-H Livestock Programs. Kentucky 4-H Volunteer Forum, Lexington, KY (February 23, 2008).
9. Future Directions for 4-H Livestock Programs. Kentucky 4-H Volunteer Forum, Lexington, KY (February 25, 2006).
10. Recognizing Youth Livestock Exhibitors Utilizing a “Three-Pronged” Approach. Kentucky 4-H Volunteer Forum, Lexington, KY (February 25, 2006).
11. Developing and Teaching a County Livestock Judging Team. Kentucky 4-H Volunteer Forum, Lexington, KY (February 25, 2006).
12. Key Changes to Youth Livestock Programs, Projects, and Activities. 4-H Volunteer Forum, Lexington, KY (February 21, 2004).
13. The New Livestock Discovery CD Workshop. Kentucky State Extension Conference (February 21, 2004).

**Other Youth Educational Presentations (148):**

**A. Ohio County Spring 4-H Ag Camp for 6<sup>th</sup> Grade Students:**

1. Career as an Extension Swine Specialist (1999, 2001, 2002, 2003, 2004).
2. Livestock Production in Kentucky (1999, 2001, 2002, 2003, 2004). [This presentation was given 6 times each year.]
3. UKREC Farm Tour (1999, 2001, 2002, 2003, 2004).

**B. Ohio County Fall 4-H Ag Camp for 6<sup>th</sup> Grade Students:**

1. Career as an Extension Swine Specialist (2002, 2003, 2004).
2. Livestock Production in Kentucky (2002, 2003, 2004). [This presentation was given 6 times each year.]
3. UKREC Farm Tour (2002, 2003, 2004).

**C. Ohio County Youth Agriculture Days for 4<sup>th</sup> Grade Students:**

1. Pig Production and Uses of Pigs (2001, 2002, 2003, 2004). [This presentation was given 12 times each year.]

**D. Ohio County Ag Force Program for 8<sup>th</sup> Grade Students:**

1. Careers in Agriculture (2000, 2001, 2002). [This presentation was given 2 times each year.]

**E. Other:**

1. Tour of UKREC Farm – Providence Elementary Students (2013).
2. Activities of UKREC and tour of farm – Caldwell County High School Cope Center Students (2013).
3. Tour of ARC Swine Unit in Versailles and Discussion of Modern Swine Production– Nelson County 4-H Livestock Club (2011).
4. Swine Health for Project Pigs – West Kentucky Youth Livestock Camp (2007).
5. Youth Livestock Project Round Table Discussion – West Kentucky Youth Livestock Camp (2007).
6. Swine Health for Project Pigs – West Kentucky Youth Livestock Camp (2006).
7. Nutrition and Feeding of Your 4-H Project Pig – Meade County Livestock Club (2005).
8. Livestock and Nutrition (14 presentations) – McLean County Youth Ag Day 4<sup>th</sup> and 5<sup>th</sup> grade students (2005).
9. Conducting a Successful Interview – Caldwell County High School “School to Work Program” for seniors (2002).

10. Conducting a Successful Interview – Caldwell County High School “School to Work Program” for seniors (2001).
11. Animology: Caring for Pigs, Cows, and Chicks – Great River After School Program (GRASP) for 5<sup>th</sup>-8<sup>th</sup> grade students (2001).
12. Uses of Math in Pork Production – presentation to 1<sup>st</sup> grade students at Caldwell County Elementary School (2001).
13. Similarities between Animal and Human Nutrition (6 presentations) – Oneida Baptist Institute Ag Science Day for high school age students (1999).
14. Career Opportunities in Agriculture – Oneida Baptist Institute (1999).