



Department of

Agricultural Economics

Periodic Program Review

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Self Study

**2010 Periodic Program Review
Department of Agricultural Economics
University of Kentucky**

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INTRODUCTION

The Department of Agricultural Economics is one of 15 academic departments in the College of Agriculture. It is one of four social science units: the Agricultural Economics department, Agricultural Education and Community and Leadership Development both in the community and Leadership Development department, and the Family Studies department. The department conducts research in production economics, farm management, agricultural marketing, international trade, agricultural policy, rural economic development, equine economics, environmental and resource economics, and agribusiness management. Its mission statement is to develop and apply knowledge to aid rural and agricultural decision-makers in addressing economic issues through integrated research and educational programs that enhance incomes and quality of life in Kentucky and beyond. Thus, a thorough understanding of the current status and emerging issues impacting Kentucky agriculture and its rural communities is imperative in accomplishing the department's goals. An overview of the Kentucky agricultural economy is contained in Appendix A. This summary of Kentucky agriculture and our rural economies clearly indicates a lot of opportunities for a department which focuses on conducting research and delivering educational programs on economic issues facing agricultural producers, businesses, consumers, and communities. Before addressing some of the research, teaching, and extension programs focusing on these issues, a review of the departmental personnel and structure follows.

DEPARTMENT OVERVIEW

Faculty and Staff

The number of faculty in the department peaked at 32 in 1981 and currently stands at 26 members (compared to 22 members when the 2003 self study report was prepared) who completed their doctoral programs at 14 different universities (see Table 1). All resident faculty members are located in the Barnhart Building, except Dr. Richard Trimble whose office is located at the UK Research and Education Center in Princeton. Dr. Trimble is on the last year of a 20% post-retirement appointment. His farm management faculty position has not been renewed amidst the current budget situation, although the department and the college administration have been discussing various options to maintain our presence in Princeton. The department also lost Dr. Larry Jones' faculty slot (leadership development, macro/consumer economics) following his completion of his post-retirement appoint and eventual move to become the college's Associate Dean for Academic Programs. The Distribution of Effort (DOE) for each of the current faculty is contained in Table 2, with a summary comparing the DOE for each major program in 2010 vs what was presented in the 2003 periodic review.

	2003/2004	2010/2011
Teaching FTE	5.65	6.90
Research FTE	6.17	9.72
Extension FTE	9.53	7.64

In addition to the resident faculty, the department has five adjunct professors and several “outside” instructors. Mr. William Gorton III (J.D., UK), a practicing environmental attorney, teaches AEC 424 Environmental Law. Mr. Brian Thomas (J.D., UK) and Mr. Clint Quarles (J.D., UK) serve as instructors for AEC 324, Agricultural Law, and Dr. Orlando Chambers (PhD, UK) teaches AEC 305 Food and Agricultural Marketing. Dr. Sid Dasgupta and Dr. Marion Simon, both agricultural economists at Kentucky State University are also Adjunct Faculty.

In addition to the faculty, the Department also employs ten Farm Business Analysis Specialists in six locations around the state to conduct the Kentucky Farm Business Management Program (KFBM). All of these extension specialists have M.S. degrees in agricultural economics. This extension program began with one specialist in 1962 and now serves 376 farmer-members in four associations with the recent merger of the Bluegrass and Lincoln Trail Associations. This compares to 460 farmers participating in the program as reported in the 2003 periodic review. The objective is to provide intensive farm management assistance to farmers and generate data for use in extension and research programs in the College. Approximately 90% of the specialists’ effort is directed towards KFBM and 10% of their time is spent on general farm management extension education. Jerry Pierce serves as the KFMB Program Coordinator.

There are currently 10 Clerical and Technical Staff in the department. There are three clerical staff located at KFBM offices. In addition, the Department employs five full-time Extension Associates/Specialists funded through grants. Currently, there are three Post-Doctoral Assistants. A complete listing of the all members associated within the department is contained in Table 4.

Departmental Organization

The Department is organized into four standing committees: Departmental Support Committee, Graduate and Research Committee, Undergraduate Program Committee, and the Extension Advisory Committee. Membership on current committees is listed in Table 5. There is a rotation process in place which alters committee membership at the beginning of each fiscal year for all committees except the Extension Advisory Committee (which operates as a “committee of the whole”). The Chair Person of each of the major committees serves on the Executive Committee. This Committee meets regularly with Dr. Robbins to address issues facing the Department. There are regular monthly faculty meetings.

Departmental Budget

The Department is funded through College of Agriculture budget funds (summarized in Table 6) and external grant funds. The main sources of internal funding are the state and federal (US Department of Agriculture) funds that flow through the Agricultural Experiment Station for research, resident instruction funds (teaching), and extension funds (off-campus educational programs). While the total federal and state funds allocated to the department has declined from \$3.66 million in the 2007 FY to \$3.56 million in the 2010FY, our budget has actually increased from the \$3.45 million reported in the last periodic review. The share of departmental funds allocated to teaching and research have increased, while extension’s share has declined by more than 8%. Federal funds have declined by more than \$200,000 since 2003, while state funds have increased by more than \$300,000. The share of the departmental budget from state funds now comprises 81% of our budget compared to 73.7% in 2003.

TEACHING PROGRAMS

Graduate Program

In the last six years the number of students and graduates in the Agricultural Economics graduate program has been stable to slightly declining in both the masters and doctoral programs (table 7A). MS enrollees have declined by about 20%, and PhD enrollees have returned to the levels of the late 1990's, falling from a peak in 2002-2005. MS and PhD degrees awarded have generally fallen in proportion to student numbers.

The biggest threats facing the graduate program are a declining number of budgeted research assistantships, low and inconsistent levels of grants employing graduate students, and substantially lower assistantship stipends relative to our peer institutions. There is a perception that many graduate students perform too little assistantship work outside their thesis or dissertation research and yet scholastic output in the form of published papers, posters and presentations have increased.

Graduate students now have a wider range of active faculty with whom to work. In the last two years there has also been a proliferation of new graduate course offerings. A recent revision of the graduate curriculum aims to distinguish more clearly between MS-level and PhD-level courses, and the departmental PhD qualifying exam is being replaced with a second-year research paper requirement. The research paper offers a better match between graduate students' training and future career demands, and provides an opportunity to better prepare for the job market by publishing and presenting independent research. Students who attain sufficient grades in macroeconomic theory courses are no longer required to pass the macroeconomics theory prelim exam administered by the Economics department.

Despite declining assistantship numbers, we consistently attract some outstanding graduate students each year. In many cases, these high-performing students were recruited by, or sought out, individual faculty to train and work in specific areas. We continue to attract a portion of MS students each year from our own undergraduate program. Almost half of our graduate students are domestic, with the majority of international students coming from east Asian countries. Relative to many departments throughout the University, few of our graduate students serve as teaching assistants or instructors. However, opportunities to teach are available on a case-by-case basis, and can help prepare students for academic careers.

Graduate Teaching Faculty

Since the last periodic review, the department hired 11 faculty members and lost 6. As a result, the graduate program corrected a prior staffing shortfall with a net addition of 3 research/teaching appointments. We hired a non-tenure track faculty member with instruction and advising responsibilities, and two recent hires have 60/40 research / teaching appointments rather than the prior convention of 70/30 appointments. Thus, our teaching resources have expanded to accommodate both the growing undergraduate enrollment and the goal of more distinction between MS and PhD courses.

Extension faculty members contribute to graduate advising. Terminal MS students regularly look to extension faculty as advisors and committee members. Extension faculty members are often well-suited to helping graduate students identify decision-relevant topics for analysis, agricultural data, contacts within Kentucky, and in many cases, employment opportunities. A portion of the extension faculty are involved in research projects that produce refereed journal articles, and extension faculty generate the vast majority of external funding for the department.

Training graduate students by involving them in more extension programming might be a productive way to distinguish our program among our peer institutions, fund more students, and generate more applied research supporting extension programming. Barriers include incentives to employ extension associates instead of graduate students in extension programming, time constraints faced by extension faculty who cannot afford to simultaneously train students and deliver extension programs and a lack of experience among many graduate students in performing and communicating applied analysis.

In the previous review's background document, concern was expressed about the number of graduate courses taught by senior faculty who were not highly active in the discipline, and the department was worried about its ability to recruit good new faculty. Seven years later, these concerns have been largely eliminated by a series of successful new hires, and there is a much greater sense of optimism about the department's trajectory.

Research Output and External Funding

Research output in the department is at a considerably higher level than it was during the prior review period. The department's research appears more often in the discipline's top journals, where it is almost exclusively applied research that makes incremental improvements in methods, refines existing knowledge about applied problems, and/or applies existing methods to new applications and case studies. The same is true of the vast majority of research performed at our peer institutions, as our discipline rarely focuses on theoretical advances. Much of the recent exciting progress in economics comes from ideas and methods that are adapted from other disciplines.

In addition to scholarly activity, some research faculty members are heavily engaged in policy and program development that directly affects stakeholders. The agricultural and weather insurance products that one of our faculty members develops attracts internationally competitive funding, are sought after by national governments, result in academic journal articles, are a magnet for outstanding graduate students who become highly valued in the job market, and provide rich material for use in classes. Additional faculty members in the department also leverage consulting activities in the public and private sector to enhance their research programs and create opportunities for students.

Relative to extension programs, research attracts less competitive extramural funding in the department. One factor is a shift toward less research vs. more extension funding opportunities. Federal research funding is currently evolving toward greater centralization via NIFA and more emphasis on competitive criteria, which may produce some consolidation of funded research at top-tier universities within the discipline. Research faculty often participate as co-PI's or collaborators on grants with a primary extension focus. This approach may be highly productive, offering a way to enhance competitiveness for grant funding by including research investigators, linking the research and extension missions of the department, and perhaps involving more

students in applied research projects. Similarly, increasing collaborative relationships with researchers at other universities can lead to greater funding, publications, and disciplinary recognition.

A second factor in the relative shortage of research grant funding is that much research requires little or no funding to complete. The main resource constraints are typically data availability and the PI's time, not money. Even a research project that outsources primary data collection may cost as little as several thousand dollars. The largest portion of grant funding is often devoted to paying graduate students, in which case the primary objectives may be student training and maintenance of a healthy graduate program, not necessarily the completion of specific research. A third factor driving low research grant funding is that several research faculty are either occupied with substantial administrative assignments, do not operate highly active research programs, or are rationally focused on publishing journal articles that are the primary determinant of promotion in this department. For junior faculty, devoting several weeks to a large nationally competitive grant proposal with a small likelihood of success may be a dangerous strategy.

While research assistantship numbers decline the research faculty are under pressure to obtain more external funding. The threat is that a smaller and weaker graduate program will reduce our ability to recruit high-performing faculty.

Unity of Vision

More so than in previous years, the faculty have a unified vision of what they would like to see in a successful graduate program. Strong consensus exists on the need to get graduate students directly involved in the Department's research activities, and the extension faculty are willing to work with capable, self-directed graduate students interested in extension programming. Multiple courses have been modified or added to strengthen hands-on analytical training, the qualifying exam requirements have been modified to focus more on applied analysis and job market preparation, and several faculty members are enthusiastically involved in the graduate program.

Undergraduate Program

The Department offers an undergraduate degree with two tracks: Agribusiness Management and Food Marketing, and Agricultural Economics. At least three quarters of our students elect to fulfill the Agribusiness track, as it satisfies the requirements for the Business minor with no additional credit hour requirements. The Agricultural Economics track was envisioned to be a path to graduate study, but instead mostly attracts students who prefer to take agricultural courses instead of business courses. Very few of our students demonstrate a primary interest in economic theory or quantitative analysis, although some become interested after exposure through coursework.

After spending most of the review period in the 170-200 range, undergraduate enrollment increased to 228 in Fall, 2009 (see Table 7). Unlike the previous review period, our teaching resources are not as strained, thanks to several new faculty hires, three of whom have higher-than-average teaching appointments. We are extremely fortunate to have five part-time instructors, four of whom are lawyers who teach agricultural, environmental, and equine law courses in the evenings. These courses are among the most popular in the department, and the students routinely praise the instructors and the real-world applicability of the classes. Our fifth part-time instructor is an alum of the department who has a wealth of local experience, and teaches a section of a core course.

Only 21% of our students are female, as opposed to 50% university-wide. This imbalance is persistent over the years, but also puzzling, as there is nothing inherently “masculine” about the curriculum or career paths of our graduates. One possibility is that students associate the major with farm management, when in fact only a small portion of our students intends to pursue a farming career.

Few of our students enter the major as freshmen; only 14 did so in 2009, and they had four-year graduation rates exceeding the UK average. In contrast, we graduated 58 seniors in 2009 (see Table 8), illustrating that most of our students transfer into the major, usually from community colleges or other programs at UK. The Business major in the Business and Economics College (B&E) has a minimum GPA requirement of 2.8, and we receive many transfer students who did not meet the B&E cutoff. Faculty have diverse opinions about the impact of these transfers on our program. Some believe they dilute enthusiasm for agricultural economics, and lower the overall academic performance of our student body. Others believe they perform no worse than students who more willingly chose the major, and that they represent an opportunity to provide more students with a useful education. Some ag. econ. departments around the nation face difficulty in recruiting undergraduate students, so in comparison we are fortunate to be one of the College’s most populous majors.

A persistent concern is that, while we have some outstanding students, the average academic performance of our students is lower than the University standard. As of October, 2010, an AEC undergraduate with a 3.0 GPA would be in the 87th percentile of the major, and the median GPA is 2.44. Instructors face incentives to lower expectations, which leaves a small minority of high-performing students feeling underserved. Existing efforts to combat this problem include requiring grades of C or better in our four core courses, designing one of the capstone courses to meet the needs of students planning graduate studies, and encouraging students to seek out meaningful internships for which we offer course credit.

Despite concerns about average academic performance, graduates of the AEC program compete strongly in the area job market, and each year a sizable number continue to some form of graduate study. The primary advantages of an AEC major are practical, hands-on training in agribusiness management, a systematic approach to critical thinking provided by economic theory, and a supportive faculty and staff who create a positive environment. Even employers outside the farm and food industries often associate an agricultural economics major with strong applied analytical skills.

A faculty member recently developed a modified distance learning version of one of our core courses, AEC 305. By synthesizing multiple technologies, he is able to present PowerPoint material, annotate it as if he were drawing on the screen, and synchronize his voiceover to duplicate many of the advantages of a live lecture. By maintaining ample office hours and even webcasting a call-in “radio show” before exams, students can obtain as much personalized attention as they desire, yet maintain scheduling flexibility when viewing lectures and doing assignments. Much of the grading is automated for immediate feedback, and the format reduces the strain on our teaching resources for a course that serves many non-majors. The main disadvantages are that many students need the structure of an in-class lecture to maintain forward progress in the course, and few students take advantage of the enhanced opportunities for one-on-one interaction with the instructor. We are continuing to evaluate this innovative approach.

The Department sponsors an Agribusiness Club that offers opportunities and activities for undergraduates, including field trips in the fall and spring semesters to visit agribusinesses in Kentucky and the surrounding region. Membership appears to have fallen during the last several years, with declining efforts to position the Club as a professional networking organization that reaches out to all students in the major and connects to influential alumni and visiting speakers. We have been fortunate to have two faculty advisors assisting the Club for many years, as it was historically difficult to recruit advisors. A priority in 2010/11 will be to work with its officer team to reinvigorate the Agribusiness Club, perhaps by advertising its activities more intensely, connecting with prospective employers more aggressively, and making it the hub of student competition teams that participate in conference quiz bowls and case study competitions. The Department has sent a student team to the Food Distribution Research Society Competition with Tim Woods for the past four years, placing fourth nationally in 2007 and first in 2008.

Unlike many departments, undergraduate advising duties are shared among almost all faculty. This helps keep faculty engaged with the department’s undergraduate curriculum, it is a healthy way to ensure shared experiences across the faculty, and it helps students become more familiar with the faculty. Roger Brown and the College-level student services staff have delivered much information that helps train new advisors, and keeps experienced advisors up-to-date. Janene Burke has an effective system of maintaining equitable advising allocations. While no system is superior in every way, our current approach seems to be working well. Even when errors occur through lack of familiarity, problems are almost always resolved quickly and cooperatively.

RESEARCH PROGRAMS

A recurring strategic issue is whether the Department should attempt to mount strong research programs in a couple key areas of strength, or attempt to adequately cover each of the major areas of agricultural economics research. Historically, we have considered the Department weakest in environmental / resource economics, and in international development. Areas of strength have been in policy, finance, marketing, and international trade. The faculty have not achieved a consensus on which strategy is best, individual faculty are accustomed to research autonomy that discourages programmatic planning, and College-level initiatives determined the focus of two recent hires. For better or for worse, we exercise little strategic control over research at the departmental level, and instead rely on individual faculty to be productive in their area of expertise.

Unlike research in many disciplines, and unlike the majority of extension programming, much economic research can be performed with modest funding. Our promotion criteria tend to reward refereed journal articles most highly, with grants being a secondary criterion that many view as inputs rather than outputs. As noncompetitive state and federal funding declines, however, we may be forced to revisit our incentive system to place more emphasis on external funding. Obtaining grant funding to sustain the graduate program may need to be treated as a research responsibility on the same footing as publishing journal articles. More coordination among research faculty might be beneficial, but we would need to create a mechanism for doing so, and we would need to overcome a long history of autonomy.

The Department's strategic goal for its research program is to provide basic and applied knowledge for producers, consumers, and other private and public decision makers as they strive to design and implement strategies, programs and policies. Realistically, we perform almost no basic research, and instead focus almost entirely on applied analysis. In principle, this emphasis allows productive collaboration with extension activities, where external funding opportunities are more plentiful. Some faculty successfully collaborate on grant-funded projects, produce publishable research from the projects, and employ graduate students in tasks that are appropriate for their level of skill development. This model of research programming may be especially promising for the future.

Extramural research grants are listed in Table 11. Direct grants have an agricultural economist as the PI, though there might be investigators from other departments. Collaborative grants are projects where the PI is in a department outside AEC, but there is an agricultural economist as an investigator.

Consistent with trends in the agricultural economics discipline, the scope of the department's research has broadened since the last review. One growth area is the design of innovative insurance products that protect farmers from a wider array of risks, while avoiding incentive problems that plagued earlier insurance programs. One faculty member's research and consulting work in this area has provided visibility and excellent training for many graduate students. Our recent hiring of an environmental economist with a law degree, brings another useful set of skills to the research program. We also employ one of only a few in the nation whose research portfolio includes equine economics, and it is especially appropriate that she be on the UK research faculty.

Some of our research faculty are prominent at a national disciplinary level due to sustained publishing activity in top-tier journals, but there seem to be fewer examples of external stakeholders who recognize or request our research. In many cases, the work requested by external stakeholders such as state government agencies and private industry does not lend itself to academic publications on which faculty are evaluated. Likewise, academic publications are rarely useful to, or even readable by external stakeholders. Our own extension specialists rarely use journal articles as a primary source of information in their programming. As an enterprise supported by public funds, and associated with farming that directly employs an increasingly tiny portion of the population, taking steps to increase the relevance of research to external stakeholders may be a productive strategic step for our research program.

EXTENSION PROGRAMS

Current Extension Educational Programs

The majority of the extension human resources are devoted to the areas of farm management and marketing -- two areas that have been identified by many as playing a pivotal role in a transitioning Kentucky farm economy. In addition, the Department's extension programs are placing increasing emphasis on expanding clientele base by developing programs in the areas of economic development, entrepreneurship, and leadership. The Department Extension faculty have an excellent relationship with agricultural leaders in the state, including the KY Department of Agriculture, Governor's Office of Ag Policy, Kentucky Farm Bureau, Kentucky Council of Cooperatives, the various commodity group organizations, and other producer and agribusiness interest groups. Other traditional areas of expertise within the department include policy, agribusiness management, rural economic development, and natural resource economics. A brief summary of the major efforts by extension faculty within the department follows:

Livestock Marketing (Kenny Burdine) -- The livestock extension program covers a wide range of marketing and management areas impacting beef and dairy cattle, equine, and forage producers. Over the last five years, much of Kenny's efforts have been focused on price risk management including the use of futures and options trading, as well as Livestock Risk Protection Insurance. Basic profitability and cost control have also been stressed as producers have struggled to deal with rising production costs and unpredictable markets for most commodities.

Rural Economic Development (Alison Davis) -- Community and Economic Development -- the CEDIK (Community and Economic Development Initiative of Kentucky) initiative replaced CED as an extension program area with the College's Cooperative Extension Service. Dr. Davis is the Executive Director of this Initiative. CEDIK provides technical assistance in leadership development, facilitation, strategic planning and economic development. Dr. Davis' economic development strategies focus on targeted attraction, business retention and expansion, entrepreneurship, and cluster analysis. CEDIK works with extension agents, state and local agencies and grass roots organizations. Dr. Davis is also the Director of the Rural Health Works program. RHW is a program designed to assist communities and health care professionals to better understand the role the health care sector plays in the local economy.

Farm Management Economics (Greg Halich)

Farm Management Economics is a broad subject area that covers the areas of decision making, optimization in production decisions, enterprise budgeting, partial budgeting, risk management, financial analysis, investment analysis, and general profitability analysis. Much of my work is collaborative with other disciplines (agronomists, soil scientists, animal scientists, etc.) and often evaluates the practices they are prescribing in answering the following farmer question: "But will the practice pay?" The three subject areas that I have concentrated in are: 1) Livestock and forage management (e.g. optimal nitrogen use in forage production, pasture-based beef finishing, biofuel production). 2) Grain crop management (e.g. profitability analysis, ACRE evaluation, leasing structures). 3) General farm management programs (e.g. Custom machinery rate database and publications, FSA borrower training, fixed costs estimation training).

Leadership and Management (Steve Isaacs)

Dr. Isaacs returned to the department full time in early 2009 from an Extension administrative appointment. His 50% Extension DOE is directed toward leadership development and farm management. Dr. Snell and Dr. Isaacs are co-directors of the Kentucky Agricultural Leadership Program and are charged with program development and delivery as well as fund raising toward a goal of a \$2 million endowment to fund KALP into the future. Additional Extension activities include involvement in the Beginning Farmer and Farm Transitions projects, and activities associated with Marketmaker, a web-based food chain directory and market research tool, at the state and national level. Dr. Isaacs continues to be engaged in the farm finance world with roles in lenders training at the state and regional levels. College service activities include review committees for Management Operations, Lake Cumberland Leadership Center, and assistance with the State Extension Advisory Council.

Ag and Natural Resource Policy/Economic Outlook/Tax Education (Craig Infanger) Dr.

Infanger collaborates with Dr. Snell on agricultural policy education, including farm bill issues and related environmental policy topics surrounding agriculture. Dr. Infanger is also responsible for economic outlook extension programming with the Economic Subject Matter Training for County Agents and the outlook work with Farm Bureau and other organizations. As State Coordinator for the Income Tax Seminar Program, Dr. Infanger is responsible for a major extension effort which involves 1600 participants (CPAs, tax preparers, attorneys, Enrolled Agents) in 18 annual seminars.

Sustainable Agriculture and Marketing (Lee Meyer)– Since the Kellogg-funded KLAES project (1995-98), Dr. Meyer has been adding work in sustainable agriculture to his livestock marketing portfolio. In 2005 he was asked by then Associate Dean to collaborate with the USDA's Southern SARE program. That led to a long term relationship in which he serves (funded at 20%) as the liaison between the So. SARE program and the 1862 land grant universities in the region. With increasing opportunities to support the state's and College's interest in sustainable agriculture (which from an economist's perspective focuses on long term profitability, direct marketing, alternative enterprises and farm transitions), he has shifted his livestock marketing extension work to Kenny Burdine and replaced it with sustainable agriculture. In 2007, his title was officially changed to "extension specialist in sustainable agriculture." He currently is PI of the KyFarmStart beginning farmer program (2009 – 2012, USDA, NIFA); Annies' Project (a management program for farm women) (2008-2011, USDA RME); and a farm transitions project (self explanatory) (2008-2011, USDA RME); as well as co-PI on a grass finished livestock. In addition to managing and providing educational program for these projects, he conducts livestock market extension work on small ruminants and other livestock species. He also chairs both the College Sustainable Agriculture and Foods Systems working group and the undergraduate major in Sustainable Agriculture.

Tobacco/Ag Policy/Leadership (Will Snell) -- Dr. Snell's extension program has shifted considerably since the last periodic review. While he still works with policy makers, farm groups leaders, agents, farmers and others on tobacco policy issues, most of his tobacco work focuses now on financial management and outlook. He developed educational materials, presentations, and analysis on the 2008 farm bill and is presently providing background information on the upcoming farm bill. He often provides lay groups, media, and others on the overall financial status and changes in Kentucky agriculture. The majority of his time is now devoted to serving as the co director of the Kentucky Agricultural Leadership Program (KALP). KALP is an intensive 18 month program designed for young agricultural producers and agribusiness individuals from Kentucky who want to be on the "cutting edge" of decisions that affect agriculture, rural communities and society in the 21st century. The program consists of bringing in national speakers to address important/timely agricultural issues, and to improve participant's communication, leadership, and management skills so that they can enhance Kentucky agriculture and our rural communities. The ninth class started in January 2010. In addition to developing seminars, considerable time and effort is devoted to fund-raising to match the \$1 million provided by the Kentucky Agricultural Development Board to establish an endowment which will allow the program to run into perpetuity.

Farm Management (Dick Trimble) -- Dr. Trimble's extension program has concentrated on six main subject areas in recent years – farm financial management, the application of microcomputers in farm management decision making, integrated risk management, tax management and planning, enterprise budgeting, and general farm management. Dr. Trimble has been working on a 20% post-retirement appointment primarily emphasizing the USDA Farm Service Agency training from his office in Princeton.

Grain Marketing (Cory Walters). Dr. Walters's extension program has focused on educating grain producers on private and public risk management tools. Risk management education is founded on integrating the use of futures and options with crop insurance and government price support programs. Integrating all these topics leads to producers making more informed and financially healthier decisions. Outcomes lead to better understanding of individual perceived risks, individual programs and linkages between programs. Education has been provided through agent training, producer workshops, educational materials, and an online blog.

Cooperatives/Youth Economic Leadership Development (Lionel Williamson) -- Dr. Williamson's extension program focuses on two very different audiences. The youth component, the American Private Enterprise System Program (APES) is designed to teach selected high school juniors and seniors from throughout the Commonwealth of Kentucky about how our country does business. In APES, students discuss our economic system and how it works at the local, national and international levels. The second component of his extension program is focused on farmers, as members and directors of cooperatives, farm groups, who have an interest in learning more about cooperatives, agricultural professionals, and policymakers who wish to revisit cooperative basics. Much of Dr. Williamson's cooperative work, has been conducted in partnership with the Kentucky Department of Agriculture, Commodity Growers Cooperatives, Center for Sustainable Systems, Burley Tobacco Cooperatives, USDA Rural Development, and

more recently the new Kentucky Center for Cooperative Development. Requests for Cooperative assistance over the past two years continues to be greater than at any period since the late 1960's and early 1970's. The type of assistance varies but includes: Feasibility studies, capitalization questions; managers/directors training, organization, marketing assistance organizations maintenance and educational materials.

As of September 2010, 40% of Dr. Williamson's appointment is devoted to the new position of Assistant Dean for Diversity. In that capacity he will have leadership responsibility for all diversity-related programs and initiatives in the College. He will serve as the primary contact with university-wide diversity programs, advancing diversity as one of the six key goals in the new UK Strategic Plan. He also plans to work with the College Strategic Planning Committee to further define functions and role changes necessary to achieve goals with the College.

Agribusiness and Horticultural Marketing (Tim Woods) -- Dr. Woods' extension program focuses on agribusiness development, horticulture marketing, and agricultural market development. He works closely with the Kentucky Department of Agriculture, Governor's Office of Ag Policy, the Kentucky Horticultural Council, and UK's Horticultural Department in programs that help with evaluating opportunities for new markets for horticultural products. Current funding is in place from New Crop Opportunities Center and USDA, which includes cooperative development work with the Kentucky Center on Cooperative Development, farmers markets, and training for agricultural and horticultural agents. His program also includes administrative and market research work with the newly created Food Systems Innovation Center, the MarketReady educational program, and food consumer cooperatives. Dr Woods' extension program also works closely with emerging producer groups in connection to new commodities or business ideas on association strategic planning or feasibility studies, along with working with producers on overall farm diversification and entrepreneurship. He serves on two regional research committees, WERA-72 Agribusiness Research Emphasizing Competitiveness and Profitability (chair) and S-1050 - Assessing the Consumer Behavior, Market Coordination and Performance of the Consumer-Oriented Fruit and Vegetable Sector.

Kentucky Farm Business Management Program (Evan Conrad, Michael Forsythe, Suzy Martin, Rush Midkiff, Lauren Omer, Bart Peters, Jerry Pierce, Jennifer Rogers, Jonathan Shepherd, and one advertised open position) – This program has been in place since 1962 and is a cooperative educational effort between the Department of Agricultural Economics, the College of Agriculture, and 400 farmers in four Farm Management Associations. Nine area specialists (one vacancy) work with farming operations on a fee basis to provide them with accurate data about their own operations and objective counseling to aid them in making sound business decisions. In addition to working with the program's farm cooperators, Area Specialists also produce general farm and financial management educational programs and materials throughout the state. The Program Coordinator maintains a data base for cooperators and faculty, generates timely and useful reports, assists in farm management educational programs with other extension faculty, supervises Area Specialists, and develops training programs for Area Specialists. The primary challenge for this program during the next several years will be maintaining a cooperator base that includes an adequate number of the appropriate kinds of farms and results in a 50/50 cost share with the college.

Issues Facing Department Extension Programs

Since the last Departmental Program Review the extension component of Agricultural Economics has been robust and well recognized for achievements and program activities. However, there are significant issues facing the Department relative to the extension function:

1. **Human Resources** -- Extension faculty perceive that human resources available for state-wide educational programming have been trimmed during the last three years and may face another significant reduction in the coming three years. The primary reason for this is related to the increased their teaching load on extension faculty and the long-time vacancies. This pressure to assume more teaching responsibility will continue. Extension DOE has declined from 9.5 to 7.6 since the 2004 study with significant retirements from Jones, Trimble, and Infanger. Williamson (Diversity and UK Athletics) and Meyer (USDA SARE) have also assumed additional administrative responsibilities beyond their customary Extension programming. These events have resulted in conflicts with programming and a reduced extension effort for the Department. Riggins and Scorsone have retired or departed since the last review and Walters and Davis have filled in admirably, but there has been a loss of Extension programming experience in addition to the net loss in FTE. Some of the junior Extension Specialists, like Halich and Burdine (filling departmental needs in livestock marketing through his efforts coordinating externally-funded grant projects such as the Five State Beef Initiative, Holstein Beef Marketing, KBN Carcass Data Project, Master Cattleman, Advanced Master Cattleman, and Weed Control in Pastures) have been able to backfill behind retirements and program changes and are in a position to provide their own long-term Extension programs.

New Centers (CEDIK, Food Systems Innovation Center, KY Ag Leadership Program) and projects (KY Farm Start, SARE, various USDA-funded and state-funded projects) have brought considerable resources to the department to meet these staffing needs. Nathan Routt, on staff with KCARD and housed in the department, works closely with Woods and Williamson on coop and agribusiness development projects. The faculty resources to lead these and other efforts in the future are very thin.

Several temporary extension associates have been hired with soft funding over the last five years to carryout significant extension efforts. Such individuals as these work with the New Crop Opportunities Center (a USDA-funded project) and Kentucky Horticulture Council/USDA farm market projects to conduct economic budget analysis, feasibility studies, and market research for horticultural crops in addition to assisting faculty members with marketing educational efforts. They are used to coordinate the activities of the new Food Systems Innovation Center, the KY Farm Start and Annie's Projects) and with the Community and Economic development Initiative for Kentucky. Extension faculty have done an admirable job bringing quality personnel onto the various projects, but we have fewer faculty FTE working to develop these opportunities.

Given the age distribution of the extension faculty, some retirements are inevitable in the coming five years. This will present an opportunity for faculty discussions about reorienting faculty positions. That said, the current budget environment for hiring is obviously difficult, in spite of the new Extension programming opportunities.

2. **Reaching Western Kentucky** – The research and extension programming at the Princeton Research Center is a major issue for the College. There are implications for the department, as well. Dick Trimble’s retirement leaves the department with no faculty presence in the most agriculturally-intensive part of the state. The Extension faculty have identified a position in Princeton as a top priority, as there are numerous opportunities to coordinate with AEC faculty in Lexington and with researchers and specialists in other disciplines in Princeton.

The KFBM program, the major AEC extension program, has gone through significant reorganization since the last internal review. Jerry Pierce has been hired as the state coordinator and a number of changes have happened to help reinvigorate this program. While KFBM staff in the western part of the state have been helpful with things like Lenders’ Programs, in addition to work with clients, there is limited capacity to lead major programs from the department.

As part of their education programs, AEC extension faculty have a demonstrated record of collaboration with other departments in the College and with researchers. Steve Isaacs works with agronomists and animal scientists on Grazing Schools and with Carl Dillon on precision ag research. Kenny Burdine works with animal scientists on the Master Cattlemen Schools and Beef IRM. Tim Woods works with the horticultural faculty and the New Crop Opportunities Center and Animal and Food Science for the Food Systems innovation Center along with Wuyang Hu. These collaborative efforts are becoming better recognized and rewarded. In addition, the benefits for collaboration are asymmetric: Both research and extension faculty benefit from published research both while only extension faculty get any credit for extending collaborative work off-campus. Thus, the incentives for collaboration are not what they should be given the mission of the Department and College. There remains considerable opportunity for more research and extension collaborations to address the unique issues facing rural and farm communities in western Kentucky.

3. **Funding and Regional Programming** – Grant funding has improved for extension programming, but tighter budgets are making the delivery of traditional county-based programs more challenging. As other neighboring states continue to contract their extension funding, the pressure to be involved in regional programming, and even lead programming from Kentucky, increases. This creates new multi-state opportunities, but it also requires a different approach to how AEC extension programs are delivered. Technology skill and tools, multi-state program work, along with the increasing needs of non-traditional audiences are changing the emphasis on how extension is delivered. Kentucky has a strong history of extension leadership within the southern region. New multi-state programming opportunities are emerging, but will likely change the way faculty work.
4. **Extension FTEs being Drawn Increasingly into the Classroom** - Extension faculty and their extension programming carry part of the cost of increased undergraduate and graduate enrollment. The department will need to be intentional about protecting Extension programming from being further pared by even further increases in demand for teaching.

DEPARTMENTAL ISSUES

The self study review committee interviewed faculty and staff to gauge their perception of the strengths, concerns, and opportunities for the department. Below is a summary of the interviews.

Strengths

The morale of the department appears to have improved greatly since the last review. Reasons cited include the addition of a core group of successful/motivated younger faculty members, improved communication within the department, and the overall performance of the faculty as a whole. While several faculty members indicated that we could improve our working relationship across extension and research, most identified the collaboration among faculty as a strength of our department compared to other ag economics departments across the nation.

The extension program in the department continues to be one of its strengths. While the FTE's devoted to extension have declined since the last review (9.5 in 2003-2004 to 7.6 in 2009-2010), our department has been able to maintain core "traditional" programming areas (e.g., marketing, management, policy, natural resources, economic development) while supporting other programming opportunities such as adult/youth leadership, beginning/women farmer programs, and personal finance. This compares to most other ag economic extension programs across the nation that have experienced a significant reduction in both programs and personnel during this budget crisis. This is likely a testament to responsiveness of the extension team (faculty, specialists, and associates) to critical programming needs/opportunities available across the state. The extension group perceives themselves to be well connected with a very diverse clientele base which includes producers, policy makers, agents, media, ag businesses, farm organizations, and community leaders. The KFBM program is well supported by their cooperative base and by the college administration. The extension team works well with each other, with other colleagues in the department, and with individuals from other departments in the college. In addition, it appears the extension group does a good job of balancing the extension programming within the state, while still maintaining a visible regional and national professional recognition outside the state.

The department now has the second largest undergraduate enrollment in the college. To accommodate these students we have expanded some of our undergraduate course offerings in recent years and added additional teaching faculty and a few part-time instructors. Overall student rankings for our courses and instructors are above the college and university averages. However some faculty members expressed concerns over the quality and quantity of our undergraduate student base. While the economy has certainly impacted employment opportunities for our students in recent years, exit surveys indicate that our students are very pleased with their educational training and advising assistance in our department.

The faculty is very visible beyond the department as we have historically been asked by the college administration to assume administrative/leadership roles in the college while others are active in faculty governance at the college and university level. Currently, Lionel Williamson is the College's Assistant Dean for Diversity, Mike Reed serves as the Director of the Office of International Programs for Agriculture, Alison Davis is the Director for the Community and Economic Development Initiative of Kentucky, and Will Snell and Steve Isaacs serve as co-directors of the Kentucky Agricultural Leadership Program. Plus, the department is very active in regional committees/working groups, with Mike Reed currently serving as President of the Southern Agricultural Economic Association.

The Department has many strengths within the support staff helping the wide range of teaching, research, and extension activities. Interviews with each of the staff indicated common sentiments with respect to the quality of the work environment, collegiality among the faculty, flexibility of work scheduling around family and personal needs generally workable, good sense of personal priorities, the department is pretty forward looking, and lots of programs for teaching, research, and extension are growing that creates a diverse and interesting workplace. The evaluation process is generally regarded as fair. The department communications in general are conducted in a highly professional manner. Staff noted how well faculty interact with undergraduate and graduate students as compared to other parts of campus.

Several of the staff associates were able to receive pay raises as a result of grade adjustments that better reflected their scope of responsibilities. All staff are being asked to do more, so these kind of efforts are appreciated. There is flexibility in making the job assignments for staff, but extra effort needs to be made to be sure new assignments are commensurate with the grade level and there is clear understanding of the total work load managed by each individual.

The technical and administrative support is excellent. Struggles toward improving web presence and marketing departmental programs remain, but overall, the staff are highly qualified and efficient.

Concerns

A major concern relates to the ability of the department to retain current faculty resources amidst the current budget situation. Positions for several recent and near-future retirements have either been eliminated or may not be refilled, which will jeopardize future programming in certain areas (e.g., management, natural resources). With more lucrative positions now emerging elsewhere, if the college and/or department cannot design a way to reward productivity, productive younger faculty members may be enticed to look for employment opportunities at other institutions. In addition, the department needs to continue to differentiate itself from the Economics department during these tight budget times to discourage any administrative consideration of consolidation.

The extension faculty expressed concern over our continued presence in Princeton, given Dick Trimble's upcoming retirement. As the agricultural economy shifts more to the western third of the state, the extension group feels strongly that it is critical to have a colleague housed in Princeton to develop an integrated applied research/extension program to address emerging marketing, management and policy issues facing the clientele in this part of the state.

Given overall declining funding from federal and state tax dollars, attracting grant dollars will be critical to maintaining and expanding many research and extension program within the department. But some faculty members claimed that the dependence of attracting grant dollars must not be at the expense of abandoning needed extension and research programs which address important emerging issues facing Kentucky agriculture and rural communities.

Given the changing structure of agriculture in the state, the question arises as whether our extension group continues to develop broad-based programs to meet the needs of a wide variety of clientele (part-time vs full-time, large (commercial) vs small) with a huge disparity in skills or attempt to develop more specialized programs which would significantly reduce our clientele base. The devotion of extension FTEs to teaching has been perceived to be a positive for the department's teaching program, but it has undoubtedly constrained opportunities to address/enhance some of our extension programming throughout the state.

While improvements have occurred since we have hired a full-time coordinator, several faculty expressed continued concerns over the usefulness and timeliness of KFBM data /reports for applied research activities. Also the turnover of area specialists (especially in the Bluegrass area) is a major concern.

A large number of faculty expressed concern over the graduate program in terms of funding to attract future students. A Catch-22 exists in which we lack funding to attract enough students who contribute to faculty members' productivity. In turn, the lack of grad student productivity leaves faculty with few incentives to pursue grant funding for grad students. A similar Catch-22 exists in that it might be possible to carve out a niche for UK within the discipline by being the best at training extension professionals. Currently, though, extension faculty have strong incentives to hire extension associates instead of graduate research assistants, and many research faculty are unsure if and how the graduate program should deviate from a conventional structure. A third Catch-22 is that if we recruit grad students with adequate math skills to survive the coursework, we get few with agricultural interests or professional work skills. Many faculty expressed the need for our graduate students to be more involved in productive work outside of classes. Linked to the lack of incentives for productivity mentioned above, many research faculty mentioned a need for incentives to pursue funding for grad students. In some disciplinary areas, funding opportunities are rare. Some mentioned a need for faculty to do more one-on-one recruiting of good grad students, and to set a better example for students by keeping them engaged in assistantship work and by making seminar attendance a high priority.

While most felt that the undergraduate program was of less immediate concern than the graduate program, concerns do exist about the quantity and quality of our undergraduate student base. In the absence of the B&E College's GPA requirements, our undergraduate enrollment would certainly be lower. Concerns include a low average standard of academic performance, a high proportion of the student body made up of transfer students who only spend a couple years in the program, a frequent perception of limited openness to unfamiliar perspectives, an unexplained gender gap in which a large majority of ag. economics students are male, difficulty in recruiting students for study abroad experiences, low participation in academic competition teams, and low enrollment in our more rigorous courses. The major produces many high-performing graduates who go on to become Kentucky's agricultural leaders, but a large number of students seem to use the major mainly as a vocational program to gain access to jobs that require a college degree. Many seem unwilling to search for jobs far from their home area, While faculty consider such factors to be cause for concern, others might argue that many students do not aspire to the same educational and professional ambitions as faculty. Without distracting from the need for continuous improvement, the major is already serving a much-needed role that benefits Kentucky and a core mission of the College.

Several faculty indicated that future leadership in the department reexamine the distribution of effort/duties among staff members and evaluate improved accounting procedures to monitor and track grants. Incentives should be in place to encourage and reward staff members to upgrade and adopt new skills.

The staff expressed a number of concerns – primarily related to communication, changing work loads, central campus challenges, and internal chains of authority.

Most of the staff would like to see more communication collectively and individually with the chair and their group leaders. Many felt like their opinions were not sought out or valued. There was expressed some concern about eroding quality of communication internally among staff and the need for leadership to direct professional and clear information exchange. Too much reliance is placed on e-mails being received and understood. Being spread over two floors and with the surge in programs and administrative regulations, extra efforts to communicate in person are needed.

Several staff seem to be carrying an unbalanced share of the work load. There are weak procedures in place for staff overloads resulting from surges in projects or staff absences. The department has taken on a significant number of new graduate students, extension associates, and visiting professors that increasingly require staff support. This load is increasing but is not reflected on JAQs. Most staff were somewhat understanding of the lack of pay raises in these difficult times, although it hurts. But together with the increasing work load, this has created some frustrating situations. There are minor things that were suggested regarding better utilization of work study students and graduate RAs, but they can only help with limited tasks.

The policy changes related to travel, accounting, and other administrative regulations directed from central campus have caused considerable frustration across the board. This is a central campus problem, but it is causing considerable difficulty for staff where there is poor communication about forthcoming changes and lack of or unnecessary mandated training. A related issue noted by some staff is that planning for staff support is much more critical for things like travel and technical support. Staff are typically balancing many tasks and have less capacity to drop everything and tend to short term emergencies.

Internal communications and work boundaries have been somewhat problematic with the hiring of new staff, changing job descriptions – partly in an effort to justify higher grade and pay, new programs and centers being launched within the department, and greater reliance on e-mail rather than staff meetings. On one hand there is reluctance from some to take on new tasks. On the other hand, new tasks are assigned to staff with little regard to current responsibilities or the balance of staff work overall. Further, it is not always clear what the scope of job expectations are between staff, which leads to internal miscommunications and ill-will.

Staff value feeling like they are part of the department ‘team.’ Efforts to communicate to the staff about faculty projects, news, student events/honors, faculty awards, even research efforts are all appreciated. The newsletter is quite useful but it is a very limited overview.

Multiple staff expressed concerns over office space and office cleanliness. New regulations, housing Centers in the Department, policies for old equipment, and hosting more graduate students/visiting scholars are contributing to the rapid increase in demand for more paper, storage, and office space.

Opportunities

Most faculty agree that maintaining current faculty and staff resources in the department given the current and anticipated future budget situation will be a real challenge, but the opportunities to make significant contributions to the well-being of our students, clientele and to the profession are abundant.

Within the extension program, given a declining traditional clientele base, it becomes imperative that we broaden programs to address community development and consumer issues and explore additional opportunities in important agricultural sectors where we have had limited exposure in the past such as equine and poultry. Given the decline in faculty resources devoted to farm management, some faculty members expressed opportunities for KFBM specialists to devote more time/resources to this area as their cooperator numbers may be challenged to maintain a sustainable base in certain areas. Others expressed the need to develop a stronger working relationship with KSU faculty and outreach programs.

An area that we have discussed before, but never fully implemented is to use extension resources as a recruiting tool to attract and promote our graduate program. Others expressed the need to develop additional undergraduate education opportunities for our more advanced students and to evaluate requiring that all students complete an internship program.

Some faculty said that we need to improve upon promoting our research and extension projects to agents and the general public, while others said we need to expand the applied research component of extension programming to elevate our national professional image of extension and to take better advantage of extension and research collaborative opportunities.

**Table 1: DEPARTMENT OF AGRICULTURAL ECONOMICS
FACULTY PROFILES**

Brown, Roger, Ph.D., Lecturer. Auburn University, 2004. Teaching/Research. Agricultural Marketing and Rural Development.

Burdine, Kenneth, M.S., University of Kentucky, 2003. Livestock Marketing, Management and Outlook

Davis, Alison R., Associate Professor. Ph.D., N. Carolina State University, 2004. Extension / Research / Teaching. Regional Economics.

Debertin, David L., Professor. Ph.D., Purdue University, 1973. Research/Teaching. Production and Human Resource Economics.

Dillon, Carl R., Professor. Ph.D., Texas A&M University, 1991. Research/Teaching.. Farm Management, Mathematical Programming, Risk Management, Production Economics.

Freshwater, David, Professor. Ph.D., Michigan State University, 1977. Research/Teaching. Rural Development, Public Policy, Finance.

Greg Halich, Assistant Extension Professor. Ph.D. Virginia Tech, 2005. Extension / Teaching. Farm Management Economics, Economic Analysis of Grazing Systems, Returns Estimation of Timberland Investment.

Hu, Wuyang, Associate Professor. Ph.D., University of Alberta, Canada, 2004. Research /Teaching. Food Systems, Agricultural Marketing and Consumer Economics.

Infanger, Craig L., Extension Professor. Ph.D., Washington State University, 1974. Extension/Teaching. Public Policy, Natural Resource Economics.

Isaacs, Steven G., Extension Professor. Ph.D., University of Tennessee, 1992. Farm Management and Production Economics.

Ani Katchova, Assistant Professor. Ph.D., The Ohio State University, 2001. Research / Teaching. Industrial Organization, Agricultural Finance, Agribusiness Management and Applied Economics.

Maynard, Leigh J., Professor. Ph.D., Pennsylvania State University, 1998. Research/Teaching. Agricultural Marketing, Applied Econometrics.

Meyer, A. Lee, Extension Professor. Ph.D., Purdue University, 1979. Extension/Teaching. Agricultural Marketing, Livestock Marketing, Futures Markets.

Pagoulatos, Angelos, Professor. Ph.D., Iowa State University, 1975. Research/Teaching. Natural Resources and Environmental Economics.

Pushkarskaya, Helen, Assistant Professor, Ph.D. Ohio State University 2003. Research / Teaching. Behavioral and Experimental Economics, Decision Making and Intertemporal Choice.

Reed, Michael R., Professor & Director of Office of International Affairs. Ph.D., Iowa State University, 1979. Research/Teaching. International Trade and Agricultural Marketing.

Robbins, Lynn W., Professor and Chair. Ph.D., Michigan State University, 1975. Extension/Research/Teaching. Academic Administration, Agribusiness Marketing and Management.

Saghaian, Sayed, Associate Professor, Ph.D., University of Kentucky, 1992. Research / Teaching. Food and Agribusiness Management.

Schieffer, John (Jack), Assistant Professor, Ph.D. The Ohio State University, 2009. Research / Teaching. Environmental and Natural Resource Economics, Land-Use Regulation and Policy, Contracts, Experimental Economics.

Skees, Jerry R., Professor. Ph.D., Michigan State University, 1981. Research/Teaching. Agricultural Policy, Risk, Insurance, and Rural Development.

Snell, William M., Extension Professor. Ph.D., University of Kentucky, 1989. Extension/Teaching. Tobacco Economics, Agricultural Policy, Leadership Development.

Christina (Jill) Stowe, Assistant Professor. Ph.D. Texas A&M University, 2002. Research / Teaching. Equine Economics, Probability and Statistics, Micro Theory, Game Theory.

Trimble, Richard L., Extension Professor. Ph.D., Michigan State University, 1973. Extension. Farm Management.

Cory Walters, Assistant Extension Professor. Ph.D. Washington State University, 2008. Extension / Teaching. Marketing, Risk Management.

Williamson, Lionel, Extension Professor & Assistant Dean of Diversity Programs. Ph.D., University of Missouri, 1977. Extension/Teaching. Agribusiness Cooperative Education, Youth Economic and Leadership Development.

Woods, Timothy A., Extension Professor. Ph.D., Michigan State University, 1996. Extension/Teaching. Agribusiness Management and Marketing, Horticultural Marketing.

TABLE 2: DISTRIBUTION OF EFFORT BY FACULTY MEMBER

		04/05	05/06	06/07	07/08	08/09	09/10	10/11
Brown	T		100	100	100	100	100	100
	R							
	E							
	A							
Burdine	T							5
	R							
	E			100	100	100	100	95
	A							
Davis	T				15.2	10.2	21	12.6
	R		20	35	37.77	20	20	20
	E		80	65	47.03	69.8	59	67.4
	A							
Debertin	T	29	39.8	22	22.2	22.2	20.6	20.4
	R	71	60.2	78	77.8	77.8	79.4	79.6
	E							
	A							
Dillon	T	30.6	30.6	46	55	36.2	35	30.6
	R	69.4	69.4	54	45	62.8	65	69.4
	E							
	A							
Freshwater	T	31	31	26	26	26	20.6	43.6
	R	69	69	74	74	74	79.4	56.4
	E							
	A							
Halich	T				20	10	10	12.2
	R							
	E		100	100	80	90	90	87.8
	A							
Hu	T				42.4	36	28.2	28.6
	R			100	57.6	64	71.8	71.4
	E							
	A							
Infanger	T	27		30	27	57.2	42.2	47.2
	R							
	E	73		70	73	42.8	57.8	52.8
	A							
Isaacs	T	29	25	25	25	25	45	57.2
	R							
	E	71					15	42.8
	A		75	75	75	75	40	
Katchova	T					31	22.4	12.2
	R					69	77.6	87.8

	E							
	A							
Maynard	T	41.5	31.1	34	27.4	26.4	39.4	35.4
	R	58.5	68.9	76	72.6	73.6	60.6	59.6
	E							
	A							
Meyer	T	3	3.4	3	3.2	17.8	19.8	18.4
	R							
	E	97	96.6	82	81.8	67.2	65.2	66.6
	A			15	15	15	15	15
Pagoulatos	T	42	41	43	33	23.2	21.8	22.2
	R	58	59	56	67	76.8	78.2	77.8
	E							
	A							
Pushkarskaya	T	29	37	31	35.8	20.9	50.9	29.5
	R	71	63	69	64.2	79.1	49.1	70.5
	E							
	A							
Reed	T	38	33.1	18	20	11	26.4	26.2
	R	42	46.9	62	60	69	53.6	53.8
	E							
	A	20	20	20	20	20	20	20
Robbins	T	20	20	20	20	20	20	20
	R	40	40	40	40	40	40	40
	E	40	40	40	40	40	40	40
	A							
Saghaian	T	15	35	27.5	28	15.8	23.2	24.6
	R	85	65	72.5	72	84.2	76.8	75.4
	E							
	A							
Schieffer	T						20	43.2
	R						80	56.8
	E							
	A							
Skees* 75%	T	33	33	40	40	35	30	24.4
	R	67	67	60	60	55	70	75.6
	E							
	A							
Snell	T	27.5	27.4	20	23.4	23	18	18.2
	R							
	E	72.5	72.6	80	76.6	77	82	81.8
	A							
Stowe	T					56	37.4	22.4
	R					44	62.6	77.6
	E							
	A							
Trimble	T							

	R							
	E	100	100	100	100	100	40	20
	A							
Walters	T						10	10
	R							
	E					100	90	90
	A							
Williamson	T	5	5	12	3	3	3	3
	R							
	E	95	40	33	42	42	42	42
	A		55	55	55	55	55	55
Woods	T	100	15	15	16.4	17.6	22.6	22.6
	R							
	E		85	85	83.6	82.4	77.4	77.4
	A							

TABLE 3: KENTUCKY FARM BUSINESS ANALYSIS SPECIALISTS

Mr. Evan Conrad, Pennyroyal Farm Analysis Group, Hopkinsville (M.S., University of Kentucky, 2006)

Mr. Michael Forsythe, Pennyroyal Farm Analysis Group, Hopkinsville (M.S., University of Kentucky, 2007)

Ms. Suzy Martin, Ohio Valley Farm Analysis Group, Owensboro (M.S., Purdue University, 2000)

Mr. Rush Midkiff, Pennyroyal Farm Analysis Group, Hopkinsville (M.S., University of Kentucky, 1987)

Ms. Lauren Omer, Ohio Valley Farm Analysis Group, Henderson (M.S., University of Tennessee, 2009)

Mr. Bart Peters, Pennyroyal Farm Analysis Group, Hopkinsville, (M.S., University of Kentucky, 1994)

Mr. Jerry Pierce, Coordinator Kentucky Farm Business Management Program, Elizabethtown, (M.S., Auburn University, 1986)

Ms. Jennifer Rogers, Purchase Area Farm Business Management Association, Mayfield (M.S., UK, 2003)

Mr. Jonathan Shepherd, Lincoln Trail Farm Analysis Group, (M.S. University of Kentucky, 2009)

Vacancy, Lincoln Trail Farm Analysis Group, Elizabethtown

TABLE 4: DEPARTMENT OF AGRICULTURAL ECONOMICS – 2010

Faculty	Farm Management Specialists	Adjunct / Graduate Faculty
<ol style="list-style-type: none"> 1. Roger Brown 2. Kenny Burdine 3. Alison Davis 4. Dave Debertin 5. Carl Dillon 6. Dave Freshwater 7. Greg Halich 8. Wuyang Hu 9. Craig Infanger 10. Steve Isaacs 11. Ani Katchova 12. Leigh Maynard 13. Lee Meyer 14. Angelos Pagoulatos 15. Helen Pushkarskaya 16. Mike Reed 17. Lynn Robbins (Chair) 18. Sayed (Mehdi) Saghaian 19. Jack Schieffer 20. Jerry Skees 21. Will Snell 22. Jill Stowe 23. Dick Trimble 24. Cory Walters 25. Lionel Williamson 26. Tim Woods 	<ol style="list-style-type: none"> 1. Evan Conrad 2. Michael Forsythe 3. Christa Hofmann 4. Suzy Martin 5. Rush Midkiff 6. Lauren Omer 7. Bart Peters 8. Jerry Pierce (Coordinator) 9. Jennifer Roger 10. Jonathan Shepherd <p>KFBM Field Office Staff</p> <ol style="list-style-type: none"> 1. Karen Jagers 2. Angie Melton 3. Teresa Powell <p>Associates / Specialists</p> <ol style="list-style-type: none"> 1. Angela Anadappa (Woods / Hu) 2. Miranda Hileman (Woods) 3. Sarah Lovett (Woods) 4. Laura Powers (Snell) 5. Sara Williamson (Woods / Meyer) <p>Retirees – Faculty</p> <ol style="list-style-type: none"> 1. Robert Beck 2. Fred Benson 3. Barry Bobst 4. Russell Brannon 5. Wilmer Browning 6. James Criswell 7. Harry Hall 8. Fred Justus 9. Harold Love 10. Everette Mackey 11. Loys Mather 12. Steve Riggins 13. Milton Shuffett 14. Eldon Smith 	<ol style="list-style-type: none"> 1. Orlando Chambers 2. Sid Dasgupta 3. Bill Gorton 4. Alvin Simms 5. Marion Simon <p>Other Teaching Faculty</p> <ol style="list-style-type: none"> 1. Clint Quarles 2. Brian Thomas 3. Walt Robertson <p>Income Tax Office</p> <ol style="list-style-type: none"> 1. Kathy Roe 2. Clara Heisterberg <p>Post-doc</p> <ol style="list-style-type: none"> 1. Agus Hudoyo 2. Zheng Liu 3. Jordan Shockley <p>Diversity Office</p> <ol style="list-style-type: none"> 1. Quentin Tyler <p>International Programs</p> <ol style="list-style-type: none"> 1. Anita Hill <p>Co-op Center</p> <ol style="list-style-type: none"> 1. Nathan Routt <p>Visiting Scholars</p> <ol style="list-style-type: none"> 1. Mohammad Ali Falahi 2. Reza Najarzadeh 3. Lin Sun 4. Xi (Rosy) Wang 5. Aiquin (Linda) Xi
<p>Staff</p> <ol style="list-style-type: none"> 1. Tina Briggs 2. Janene Burke 3. Chuck Corby 4. Joan Enerlich 5. Phyllis Mattox 6. Rita Parsons 7. Karen Pulliam 8. David Reese 9. Patt Thompson 		<p style="text-align: right; font-size: small;">agecon 10 Ist. Doc Revised 06/01/10</p>

TABLE 5: AEC STANDING COMMITTEES
For Fiscal Year 2010-2011

Department Support Committee (At least 3 faculty & 6 staff)

Steve Isaacs, Chair

Chuck Corby (from now on)
Kathy Roe (10-13)
Karen Pulliam (10-13)
David Reese (10-13)
Tim Woods (08-11)
Joan Enerlich (08-11)
Rita Parsons (09-12)
Sayed Saghaian (09-12)
Graduate Student (to be elected)

Undergraduate Program Committee (At Least 5 faculty)

Leigh Maynard, Director of Undergraduate Studies

Roger Brown (from now on)
Craig Infanger (10-13)
Carl Dillon (08-11)
Steve Isaacs (08-11)
Jack Schieffer (09-12)
Angelos Pagoulatos (09-12)
Alison Davis (09-12)
Undergraduate Student (to be appointed)

Graduate Program Committee (At least 6 faculty members)

Mike Reed, Director of Graduate Studies

(Six faculty)

Wuyang Hu (07-11)
Jill Stowe (08-11)
Ani Katchova (08-11)
Jerry Skees (09-12)
Lee Meyer (09-12)
Graduate Student (to be elected)

Extension Advisory Committee

Tim Woods, Chair

All Extension faculty and Associates

Executive Committee

Mike Reed
Leigh Maynard
Tim Woods
Steve Isaacs

Awards Committee

Will Snell, Chair

Phyllis Mattox (08-11)
Dave Debertin (08-11)
David Freshwater (10-11)
David Reese (09-12)

* Terms are July 1 - June 30

TABLE 6: DEPARTMENTAL BUDGET

	Teaching	Research	Extension	Total	
2003-04					
State	\$589,536.00	\$707,308.00	\$1,244,911.00	\$2,541,755.00	73.7%
Federal		\$490,509.00	\$414,339.00	\$904,848.00	26.3%
Total	\$589,536.00	\$1,197,817.00	\$1,659,250.00	\$3,446,603.00	100.0%
	17.1%	34.8%	48.1%	100.0%	
2004-05					
State	\$625,750.00	\$750,677.00	\$1,070,464.00	\$2,446,891.00	72.4%
Federal		\$497,601.00	\$434,960.00	\$932,561.00	27.6%
Total	\$625,750.00	\$1,248,278.00	\$1,505,424.00	\$3,379,452.00	100.0%
	18.5%	36.9%	44.5%	100.0%	
2005-06					
State	\$693,322.00	\$766,395.00	\$1,114,501.00	\$2,574,218.00	73.0%
Federal		\$497,193.00	\$455,083.00	\$952,276.00	27.0%
Total	\$693,322.00	\$1,263,588.00	\$1,569,584.00	\$3,526,494.00	100.0%
	19.7%	35.8%	44.5%	100.0%	
2006-07					
State	\$788,266.00	\$748,950.00	\$1,382,142.00	\$2,919,358.00	80.6%
Federal		\$526,706.00	\$178,139.00	\$704,845.00	19.4%
Total	\$788,266.00	\$1,275,656.00	\$1,560,281.00	\$3,624,203.00	100.0%
	21.8%	35.2%	43.1%	100.0%	
2007-08					
State	\$667,813.00	\$853,812.00	\$1,400,550.00	\$2,922,175.00	79.8%
Federal		\$556,760.00	\$181,612.00	\$738,372.00	20.2%
Total	\$667,813.00	\$1,410,572.00	\$1,582,162.00	\$3,660,547.00	100.0%
	18.2%	38.5%	43.2%	100.0%	
2008-09					
State	\$668,956.00	\$862,356.00	\$1,238,467.00	\$2,769,779.00	80.5%
Federal		\$502,434.00	\$166,512.00	\$668,946.00	19.5%
Total	\$668,956.00	\$1,364,790.00	\$1,404,979.00	\$3,438,725.00	100.0%
	19.5%	39.7%	40.9%	100.0%	
2009-10					
State	\$ 666,154.47	\$ 937,283.46	\$1,260,176.55	\$2,863,614.48	81.2%
Federal		\$ 502,434.00	\$ 161,802.00	\$ 664,236.00	18.8%
Total	\$ 666,154.47	\$1,439,717.46	\$1,421,978.55	\$3,527,850.48	100.0%
	18.9%	40.8%	40.3%	100.0%	
2010-11					
State	\$677,279.00	\$952,879.00	\$1,249,289.00	\$2,879,447.00	81.0%
Federal		\$ 514,389.95	\$ 162,345.62	\$ 676,735.57	19.0%
Total	\$677,279.00	\$1,467,268.95	\$1,411,634.62	\$3,556,182.57	100.0%
	19.0%	41.3%	39.7%	100.0%	

TABLE 7A: GRADUATE STUDENT ENROLLMENT IN AEC, 2003 - 2009

	2003	2004	2005	2006	2007	2008	2009
MS	25	20	17	15	20	18	19
PhD	26	27	23	21	22	20	20
Post Doc	1	1	1	2	1	2	1
Total	52	48	41	38	43	42	40

TABLE 7B: TOTAL ENROLLMENT (UNDERGRADUATE, MASTERS AND PHD) IN AEC, 1997-2009

	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
BS	104	120	122	129	168	196	207	171	198	190	201	186	228
MS	24	25	25	24	19	25	25	20	17	15	20	18	19
PhD	18	17	18	21	24	26	27	23	21	21	22	20	20
Post Doc	2	3	2	3	1	2	1	1	1	2	1	2	1
Total	148	165	167	177	212	249	259	219	239	228	244	226	268

TABLE 8: DEGREES AWARDED IN AEC, 2003 – 2009

	2003	2004	2005	2006	2007	2008	2009
BS	42	60	56	86	63	72	58
MS	9	5	12	6	6	3	7
PhD	1	3	4	3	6	2	3
Total	52	68	72	95	75	77	68

TABLE 9 ENROLLMENTS IN UNDERGRADUATE AEC COURSES, 2003 – 2009*

		2003	2004	2005	2006	2007	2008	2009
AEC 101	ECO OF FOOD & AGRICUL	281	146	137	114	105	110	107
AEC 300	TOPS AEC: VARIOUS COURSES	47	12	0	31	57	38	68
AEC 302	AGRICULTURAL MGMT PRINCIPLES	107	109	107	105	106	135	121
AEC 303	MICROECON CONCEPTS IN AG ECON	68	96	76	75	78	82	91
AEC 305	FOOD & AG MARKETING PRINCIPLES	121	118	123	125	126	153	195
AEC 309	INTNL AG FOOD NEEDS	54	49	62	70	73	39	46
AEC 311	LIVESTOCK/MEAT MARKETING	42	24	46	33	36	20	39
AEC 313	TOBACCO MARKETING	33	19	45	0	0	0	0
AEC 316	COOP MGMT & MARKETING	22	30	25	25	22	0	37
AEC 317	MARKETING HORT PRODUCTS	40	0	47	35	31	18	40
AEC 320	AG PRODUCT MARKETING & SALES	42	48	44	45	42	62	78
AEC 321	AG FUTURES MARKETS	60	0	0	0	0	43	39
AEC 324	AGRICULTURAL LAW	43	63	90	129	121	117	127
AEC 399	EXPERIENTIAL LRNG IN AEC	9	8	9	5	7	11	11
AEC 422	AGRIBUSINESS MANAGEMENT	59	46	67	61	67	52	55
AEC 424	PRIN ENVIRONMENTAL LAW	22	35	25	0	38	28	26
AEC 441G	AG FINANCIAL MANAGEMENT	25	30	26	20	12	20	0
AEC 445G	INTRO RESOURCE/ENVIR ECO	32	44	36	38	41	34	29
AEC 483	REGIONAL ECONOMICS	0	0	16	0	0	16	13
AEC 490	QUANT METHODS & PRICE ANALYSIS	0	6	13	13	11	0	0
AEC 532	AGRICULT & FOOD POLICY	35	48	42	43	45	37	31
AEC 545	RESOURCE AND ENVIRON ECON	27	32	30	0	24	7	8
AEC 510	INTERNATL TRADE & AG MKT	9	7	15	0	10	0	19

TABLE 10 ENROLLMENTS IN GRADUATE AEC COURSES, 2003 – 2009*

Graduate Courses

		2003	2004	2005	2006	2007	2008	2009
AEC 503	PRICE THEORY & APPLIC	0	0	0	0	0	9	7
AEC 580	SPEC PROBS AG ECO	29	29	28	27	14	5	15
AEC 590	INTRO QUANT ECON I	3	6	4	5	5	10	6
AEC 606	ADV AGRICULTURAL MKT	11	6	7	11	3	5	10
AEC 610	INTL TRADE AG PROD	7	8	2	0	0	3	0
AEC 620	ADV PRODUCTION ECO I	16	9	9	5	4	5	4
AEC 624	ADV QUANT METHS IN AEC	9	11	5	10	8	13	6
AEC 626	AG & ECO DEVELOPMENT	6	10	6	12	8	7	10
AEC 640	ADV AG POLICY	7	6	0	5	8	5	6
AEC 645	NATURAL RESOURCE ECO	14	10	8	6	5	7	4
AEC 653	LOCAL ECON DEVELOP	9	9	5	0	3	5	0
AEC 661	PROGRAMMING MODELS	9	2	2	7	6	4	0
AEC 662	QUANT METH RES MGT	0	0	0	3	5	0	0
AEC 780	SPEC PROBS IN AEC	21	35	7	6	16	18	22

* Data shown for academic years, e.g., 2009 includes the Fall 2009 and Spring 2010 semesters

TABLE 11: EXTRAMURAL GRANT SUPPORT BY CATEGORY AND YEAR, 2003 - 2010

	2003-2004	2004-2005	2005-2006	2006-2007	2007-2008	2008-2009	2009-2010
Direct	\$239,055	\$461,828	\$939,044	\$2,136,970	\$510,644	\$334,389	\$1,454,703
Collaborative	\$2,803,231	\$2,945,129	\$3,789,589	\$4,100,027	\$2,043,656	\$1,585,390	\$3,014,883
Expenditures	\$305,783	\$577,500	\$483,604	\$935,146	\$1,174,233		

TABLE 12: MENTORING COMMITTEES
Assistant Professors

Helen Pushkarskaya (hired 3-03)

Leigh Maynard
Jerry Skees
David Freshwater

Greg Halich (hired 6-06)

Tim Woods,
Carl Dillon
Lee Meyer

Cory Walters (hired 9/08)

Steve Isaacs
Jerry Skees
Will Snell

Jack Schieffer (hired 6-09)

Craig Infanger
Leigh Maynard
Mike Reed

Ani Katchova (hired 7-08)

Carl Dillon
Leigh Maynard
Mehdi Saghaian
Tim Woods - convener

Jill Stowe (hired 7/08)

Carl Dillon
David Freshwater
Leigh Maynard
Mike Reed – convener

TABLE 13: AEC AWARDS, 2003 – 2010

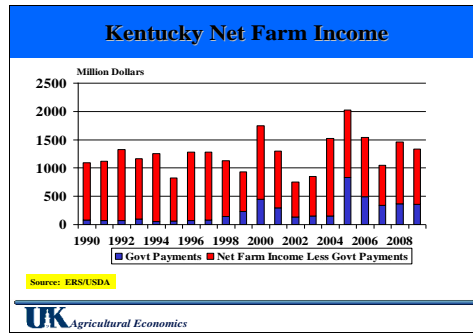
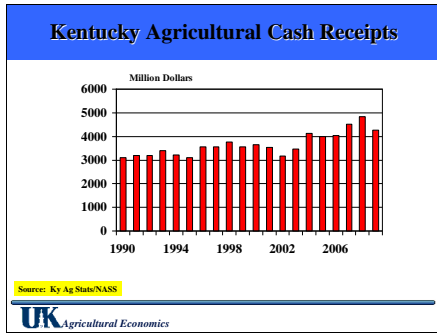
AWARD TYPE: D = Departmental, COA = College of Ag, UK = University of KY, KY = State, N = National, R = Regional, I = International, O = Other	TYPE OF AWARD	AWARDING ORGANIZATION *AKES name was changed to KASEP in 2002	AWARD WINNER	DATE OF AWARD
Master Teacher	COA	Gamma Sigma Delta	Dr. Steve Isaacs	2003
Outstanding Extension Associate	S	KASEP - Kentucky Assoc. of State Extension Specialists (was AKES - Assoc. of Ky. Ext. Spec. until 2002)	Ms. Laura Powers	2003
Outstanding Extension Project for 2002 (Farm Bill Education)	S	KASEP - Kentucky Assoc. of State Extension Specialists (was AKES - Assoc. of Ky. Ext. Spec. until 2002)	Dr. Will Snell	2003
Lifetime Achievement Award	R	SAEA - Southern Agricultural Economics Association	Dr. Fred Justus	2003
Outstanding Journal Article - <i>Journal of Agricultural and Applied Economics</i>	R	SAEA - Southern Agricultural Economics Association	Drs. Sayed Saghaian, Michael R. Reed, and Mohamad F. Hasan	2003
Ken Freedman Outstanding Advisor Award	UK	University of Kentucky	Dr. Mary A. Marchant	2003
Research Fellow - Rural Development Research Consortium	O	University of California Berkeley	Dr. Jerry R. Skees	2003
George E. Mitchell, Jr. Award for Outstanding Faculty Service to Graduate Students	COA	Gamma Sigma Delta	Dr. Michael R. Reed	2004
M. D. Whiteker Excellence in Extension Award	S	KASEP - Kentucky Assoc. of State Extension Specialists (was AKES - Assoc. of Ky. Ext. Spec. until 2002)	Dr. Steve Isaacs	2004
Outstanding Extension Program (Kentucky Rural Health Works)	S	KASEP - Kentucky Assoc. of State Extension Specialists (was AKES - Assoc. of Ky. Ext. Spec. until 2002)	Dr. Eric Scorsone	2004
Outstanding Graduate Student Paper Award (Thesis)	R	SAEA - Southern Agricultural Economics Association	Mr. Jason Hartel (Dr. Carl Dillon, Advisor)	2004
Outstanding Extension Associate	S	KASEP - Kentucky Assoc. of State Extension Specialists (was AKES - Assoc. of Ky. Ext. Spec. until 2002)	Mr. Kenny Burdine	2005
Outstanding Extension Program (Kentucky Master Cattleman Program)	S	KASEP - Kentucky Assoc. of State Extension Specialists (was AKES - Assoc. of Ky. Ext. Spec. until 2002)	Dr. Steve Isaacs, Dr. Lee Meyer, Mr. Richard Trimble, Mr. Kenny Burdine	2005
Outstanding New Extension Specialist	S	KASEP - Kentucky Assoc. of State Extension Specialists (was AKES - Assoc. of Ky. Ext. Spec. until 2002)	Dr. Eric Scorsone	2005
Outstanding Poster Award	R	SAEA - Southern Agricultural Economics Association	Mr. Vijay Subramaniam & other team members from Univ. of Georgia	2005

Truman Scholarship Award - \$30,000	N	The Harry S. Truman Scholarship Foundation	Mr. Ryan Quarles	2005
Faculty Futures Award (\$5,073)	UK	University of Kentucky	Dr. Carl Dillon	2005
Ken Freedman Outstanding Advisor Award	UK	University of Kentucky	Dr. Carl Dillon	2005
Outstanding Staff Award, Clerical Category	COA	University of Kentucky College of Agriculture	Ms. Linda Inman	2005
Thomas Poe Cooper Distinguished Research Award	COA	University of Kentucky College of Agriculture	Dr. Jerry R. Skees	2005
Distinguished Extension Program, Group	N	AAEA-American Agricultural Economics Association	Dr. Will Snell, Dr. Steve Isaacs, Ms. Tracy Webb Probst	2006
Outstanding Extension Program (Wheat Science)	S	KASEP - Kentucky Assoc. of State Extension Specialists (was AKES - Assoc. of Ky. Ext. Spec. until 2002)	Mr. Richard Trimble and others	2006
Outstanding Extension Project for 2005 (Tobacco Buyout)	S	KASEP - Kentucky Assoc. of State Extension Specialists (was AKES - Assoc. of Ky. Ext. Spec. until 2002)	Dr. Will Snell	2006
Outstanding Extension Program	R	SAEA - Southern Agricultural Economics Association	Dr. Will Snell, Dr. Steve Isaacs, Ms. Tracy Probst, Kentucky Farm Business Specialists	2006
Outstanding Graduate Student Paper Award (Doctoral Dissertation)	R	SAEA - Southern Agricultural Economics Association	Dr. Jianqing Hao	2006
Outstanding Staff Award, Clerical Category	COA	University of Kentucky College of Agriculture	Ms. Charlotte Moss	2006
Outstanding Early Career Teaching Award	COA	University of Ky, College of Agriculture Student Council	Dr. Roger Brown	2006
Golden Plough Award for Innovative Project Design, 1st Annual (The Mongolian Project - Livestock Insurance)	I	World Bank	Dr. Jerry R. Skees	2006
Doctor Honoris Causa (Honorary Ph.D)	I	Bucharest University of Ag. Sciences and Veterinary Medicine (Romania)	Dr. Michael R. Reed	2007
Great Teacher Award	UK	University of Kentucky Alumni Association	Dr. Jerry R. Skees	2007
Student Excellence Award, Outstanding Senior	COA	University of Ky, College of Agriculture Student Council	Ms. Kassie Hurst	2007

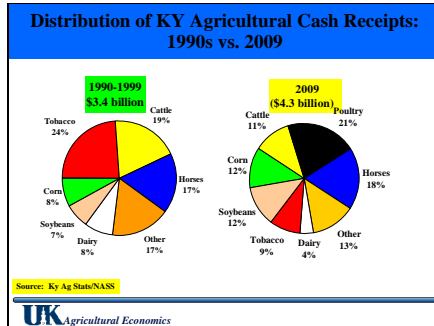
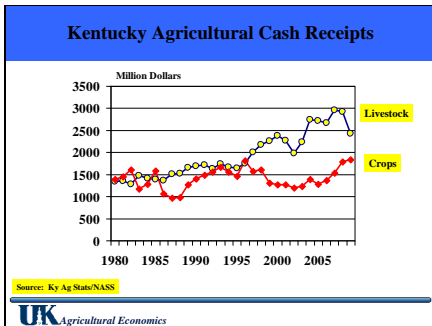
Student Food Marketing Challenge National Champion	N	FDRS - Food Distribution Research Society	Dustin Mattingly, Greg Noe, Steven Osborne (AEC Student Team), Dr. Tim Woods (Coach)	2008
Student Excellence Award, Sophomore	COA	University of Ky, College of Agriculture Student Council	Ms. Frances Beirne	2008
Research/Extension Impact Award	COA	University of Kentucky College of Agriculture Research Office	Dr. Wuyang Hu Dr. Timothy Woods	2009
Outstanding Graduate Student Award, Masters Level	COA	Gamma Sigma Delta	Ms. Emine Bayar	March 2009
Teacher Fellows Award	N	NACTA - North American Colleges and Teachers of Agriculture	Dr. Leigh J. Maynard	June 2009
Innovations in Agriculture (Group)	S	GOAP - Governor's Office of Agricultural Policy	KALP - Ky. Agricultural Leadership Program-Larry Jones, Will Snell	Jan. 2009
Outstanding New Extension Specialist	S	KASEP - Kentucky Assoc. of State Extension Specialists (was AKES - Assoc. of Ky. Ext. Spec. until 2002)	Dr. Alison Davis	2010
Outstanding Contribution to Teaching Award/Teaching of a Course	R	SAEA - Southern Agricultural Economics Association	Dr. Helen Pushkarskaya	2010
Partnership Award – MultiState: National Food MarketMaker Project	N	NIFA	Dr. Lee Meyer, Dr. Steve Isaacs, and Dr. Tim Woods	2010

**APPENDIX A:
OVERVIEW OF KENTUCKY'S AGRICULTURAL ECONOMY**

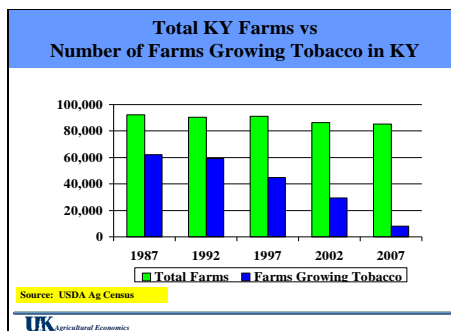
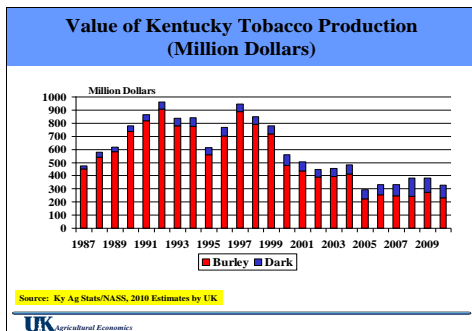
The Kentucky agricultural economy is experiencing some exciting as well as some changing and challenging times. Kentucky agriculture and its rural communities have arguably encountered more dramatic structural change than any other U.S. state in the 21st century following the 2004 tobacco buyout and the injection of more than \$300 million of tobacco settlement funds over the past decade to diversify Kentucky agriculture. Despite the loss of nearly \$600 million of tobacco sales since 1998, Kentucky farm cash receipts grew throughout most of the 2000s, establishing a record high \$4.8 billion in 2008, before falling in 2009 and likely again in 2010. In spite of higher production costs, these historically high cash receipt levels, coupled with tobacco buyout payments enabled net farm income to exceed \$1.5 billion in all but one year during the 2004-2008 period, before declining to \$1.3 billion in 2009.



During this growth in cash receipts, Kentucky has observed some significant changes in the composition of farm sales. Traditionally Kentucky agriculture has observed nearly an equal split between livestock and crop receipts. But starting in the late 1990s, growth in the equine and poultry industries resulted in a noticeable increase in livestock receipts relative to crops. This differential however has narrowed the past several years with a slumping world economy and excess supply conditions depressing the thoroughbred market (down more than 30% from its record highs of more than \$1 billion in 2005-2008), coupled with a strong grain economy responding to a boom in biofuels and robust export markets. Consequently, poultry (broilers and eggs) has replaced horses as the state's top ag commodity in terms of gross sales. Of late, beef cattle income has been hurt by the weak U.S. economy and high grain prices, but relatively low beef supplies have provided some overall support to the market. Cattle receipts have averaged nearly \$100 million less during the current decade relative to the 1990s. Excess world supplies of milk and a weak world economy have significantly depressed dairy prices and incomes in recent years resulting in a continuation of Kentucky dairy farmers exiting production. The Kentucky hog industry has also experienced massive consolidation and an overall decline in receipts over the past couple of decades.



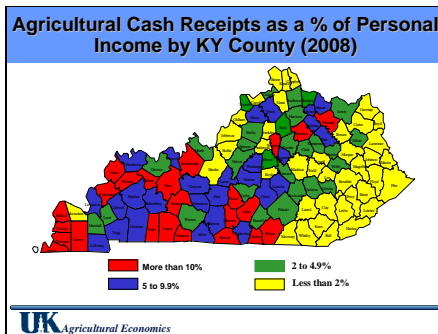
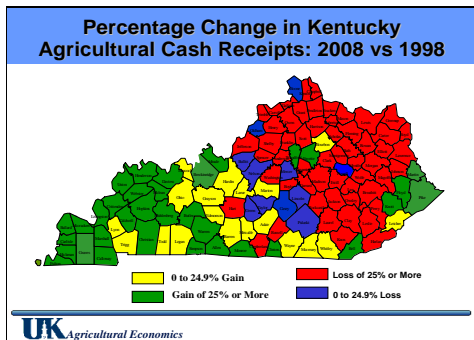
On the crops side, historically high grain prices and good yields in recent years have enabled corn and soybeans to replace tobacco as the state's top cash crops. Tobacco sales rebounded following the initial adjustment following the tobacco buyout in 2004 with additional burley export and dark tobacco demand opportunities, but labor and infrastructure, along with declining domestic cigarette sales and domestic/international regulatory concerns creates much uncertainty for its future. The number of farms growing tobacco in Kentucky has dwindled from nearly 30,000 in 2002 to around 8,000 in 2007 and will probably be below 5,000 in the very near future. Tobacco now comprises less than 10% of Kentucky ag sales vs nearly one-fourth of cash receipts back in the 1990s.



In response to the downward spiral for tobacco, Kentucky's farmers have sought to diversify their operations. Vegetable and other local food producers are benefitting from the growth in the demand for locally-grown items. Various new enterprises have been introduced and expanded including grapes and other horticultural crops, floriculture and nursery products, goats, and a rapidly expanding agritourism industry. But despite the expansion of "new" enterprises, the top seven traditional enterprises (tobacco, beef, cash grain, dairy, hogs, broilers, equine) still comprise around 90% of total farm cash receipts in Kentucky. These data are not to suggest, however, that new enterprises aren't important economic additions to some farming operations. But in the broader sense of Kentucky agriculture, the "newer" enterprises still remain a relatively small part of total ag cash receipts.

Although the state as a whole has achieved record ag cash receipts in recent years, these gains have not been equally distributed across the state. Nearly 1/2 of Kentucky counties have actually recorded a loss of more than 25% of their ag sales since 1998, with most of these counties located east of I-65. Most of this change in ag dependence resulted from a shifting of tobacco acres out of

eastern and parts of central Kentucky to west Kentucky given better yields and profit opportunities and available cropland. Tobacco buyout dollars (which totaled nearly \$2.5 billion for Kentucky for the 2005-2014 period) have tended to soften the blow to many of these counties, but this only represented a short-term economic stimulus as around 50% of the tobacco buyout dollars were distributed in the first three years of this ten year program, with all payments scheduled to end in 2014.



Most of the record growth in Kentucky farm sales in recent years has occurred in western Kentucky in response to the rapid increase in the poultry sector, relatively strong grain and dark tobacco economies, and the shifting of burley production to the western 1/3 of the state. A thriving farm economy has enabled several of the counties in this part of the state to still have farm sales directly accounting for more than 10% of their total personal income. In total, 24 Kentucky counties had gross farm sales exceeding 10% of total personal income in 2008, versus 45 counties in 1998.

Nationally, Kentucky has the 4th largest number of farms (85,300), and ranks tops in equine, burley and dark tobacco sales. Kentucky ranks in the top ten in hay, goat, poultry and beef cattle production, with cash receipts ranking around 25th nationally. Kentucky agriculture is very export dependent as ag commodities account for about one-third of farm cash receipts in Kentucky. International markets are especially important for corn, soybean, wheat, tobacco, horse, and poultry producers. While farm size is increasing in Kentucky, it remains relatively small scale. According to the 2007 ag census, the average size farm in Kentucky is 164 acres (vs 418 acres nationally) up slightly from 153 acres in 1997. Only 7 percent of Kentucky farms have sales exceeding \$100,000 annually, with around 2/3 having sales less than \$10,000. Thus, a greater proportion of farmers are depending more and more on off-farm income to supplement their ag sales. The U.S. Department of Agriculture estimates that 90% of total farm household income will originate from off-farm sources. The 2007 Census of Agriculture reported that 60% of Kentucky's farmers reported their principle occupation was something other than farming. While off-farm employment is a supplemental source of income, the importance of off-farm jobs for securing retirement and health benefits should not be underestimated. Consequently, non-farm economic development will be critical to the future of many of these farm households and their rural economies.

Across the entire state, a diversifying overall economy has reduced farm sales to nearly 3.5% of the state's total personal income from all sources (including government transfer payments) compared to 9% during the early 1980s. However, aggregating farming, agribusiness

sales/services, and forestry, agriculture still represents 7.5% of Kentucky's economic activity and nearly 6% of jobs. And if one includes food retailing to these other components, agriculture by this broad definition directly and indirectly accounts for more than 10% of Kentucky's economy and provides for around 1 out of every 11 jobs in the Commonwealth. These data reveal that while agriculture's overall contribution to Kentucky's economy has declined, it still remains a very important component of the Commonwealth's economy.

What about the future? Despite the recent era of record farm cash receipts and net farm income, Kentucky agriculture and its rural communities has its share of near and long-term challenges including the following:

- Adjusting to the changing structure of Kentucky agriculture (e.g. size of operation, commercial vs part-time farmers, geographical differences, age, greater dependence on off-farm income)
- Sustaining/enhancing profitability amidst declining government support, increasing competition, increasing concentration of input suppliers and commodity purchasers, higher energy and labor costs, and stricter environmental/food safety/tobacco regulations
- Meeting the needs of a discriminating consumer (in terms of food quality/safety/uniformity and supply consistency)
- Addressing various rural versus urban issues (e.g. land use, animal welfare, environmental concerns) affecting a diverse and changing rural population
- Improving educational levels, access and cost of health care, jobs, and overall leadership in many of our rural communities that are becoming less dependent on agricultural production
- Maintaining/improving political and public support for agriculture

Despite these economic/political/social challenges, Kentucky's rural landscape may not change abruptly as the number of farms will likely remain relatively constant. But, a larger percentage of individuals residing on farms will likely continue to depend more on off-farm income to supplement their farm sales. While part-time farming will be very prevalent, there will be a subset of informative/innovative/aggressive full-time operators who may continue to thrive as market opportunities evolve. Some of these farmers will be able to take advantage of a national energy policy supporting the development of alternative fuels. Others will benefit from Kentucky's forage base and other natural resources which provide a competitive advantage for our cattle and equine industries. There will be domestic and global market opportunities for several of our unique industries (bourbon, horses, tobacco). Plus many of the tobacco settlement investments may allow more direct marketing and value-added opportunities for Kentucky agriculture to meet the needs of a growing consumer base that is demanding more locally produced food items.

**APPENDIX B:
RECOMMENDATIONS AND DEPARTMENT'S RESPONSE TO THE
2003 PERIODIC REVIEW**

Recommendations

- The Department should reevaluate and refine its decision-making process to make it more constructive. Start fresh in a retreat setting, possibly with a facilitator, to work through issues raised by this report and the self-evaluation report. Strive to improve communication and establish a consensus on issues. Develop a unified vision for the Department in alignment with the College's new strategic plan.
 - *The department held a facilitator guided departmental retreat in January 2005, which based on departmental evaluations in 2007 and 2009 to improve communications and morale. This work was also reflected positively in our departmental strategic plan.*
- Establish clear, consistent and appropriate information regarding the promotion and tenure criteria and procedures. Junior faculty must have a mentoring system available which distinguishes the differences in Department criteria for merit ratings from that of the College and the Area Committee for promotion and tenure.
 - *We fine-tuned departmental documents on Performance Review Guidelines and Mentoring Guidelines and were reapproved before being posted on the College web site in 2009. We have also notified and encourage non-tenured faculty to attend the Provost's meeting on promotion and tenure; and promotion and tenure workshops held by the College and University. We continue to encourage non-tenured faculty to speak to recently promoted departmental faculty in putting together their promotion dossier. All non-tenured faculty have a mentoring committee (see Table 12).*
- Senior faculty and the Chair must insure that junior faculty are not overburdened with duties that do not positively contribute to the attainment of tenure and promotion.
 - *A system now exists for maintaining records of undergraduate advising loads. Junior faculty continue to volunteer disproportionately to requests for help at advising sessions, but an administrative assistant later reallocates advisees to maintain more equity in advising loads. Departmental administrative activities have been collapsed into fewer committees than previously existed, which seems to make such activities more time-efficient.*
- Review clerical/technical staff ranking to assure equity with other departments. Develop an orientation process for graduate students and faculty as to their role in maintaining fair workloads for the clerical staff.
 - *Group staff were upgraded, in 2008 and workloads adjusted. Chair meets regularly with staff to discuss issues and the staff are represented on the Departmental Support Staff Committee*

- Strive to gain hard money for research/Extension staff to promote job security and possibly a career path.
 - *This was not accomplished as College administration was against establishing hard funded Extension Associate positions*
- The Department needs to carefully evaluate its priorities in replacing Extension faculty, KFBM and Extension Associate personnel over the next several years in order to maintain the vibrancy of its Extension efforts.
 - *Extension group meets regularly to reevaluate staffing priorities.*
- Extension should strive to identify and respond to evolving agricultural, natural resource and economic development issues in the state.
- Redefine Extension program priorities and seek linkages with research and instruction; the Department should be prepared to redefine positions for future hires.
- Extension programs should develop innovative and effective delivery methodologies to serve constituents throughout the state.
- Be proactive in multidisciplinary projects and develop self-reporting methodologies to assess the Department's contributions and gain appropriate recognition for the faculty and the Department.
 - *Faculty are asked to record the magnitude of their role in collaborative projects, although the share of funds allocated to a department is often not highly correlated with the share of effort required. This issue was not noted as a particular concern during the preparation of the current self-study report.*
- Seek to identify or "parcel out" the amount of funding on collaborative research grants that can be attributed to members of the Department to better reflect the Department's contribution to obtaining outside funding.
 - *See the response directly above.*
- Given that many faculty play key roles in collaborative research grants, more faculty should consider taking the lead in putting this type of grant together.
 - *Recently, many collaborations have involved researchers contributed on grants that are primarily extension-related. No complaints have been registered about research faculty being unrecognized for their participation, and the primary criterion of productivity remains refereed publications, rather than grant dollars.*
- Address the drain on research resources due to the increased undergraduate enrollment. Consider using graduate students to teach a variety of undergraduate courses to lessen the teaching load on

research faculty. This could provide another method of securing financial support for graduate students while broadening their learning experience in preparation for a possible academic career.

- *New hires over the last several years have substantially reduced this pressure on research resources. A graduate student was used as an instructor of one undergraduate course, with poor results, but we would consider future teaching assignments on a case-by-case basis. Graduate students do make strong contributions as lab instructors and TA's.*
- Address the inequity among faculty in graduate and undergraduate advising.
 - *Inequity in undergraduate advising has been largely resolved by (1) hiring an instructor with advising responsibilities for up to 45 advisees, (2) maintaining better records of advising loads and allocating advisees to maintain equity, and (3) making equitable advising loads a priority, sometimes at the expense of advising quality. Inequities remain in graduate advising, but only because some faculty are more sought-after by graduate students. Faculty are expected to manage their graduate advising loads personally, not accepting further requests for advising if they are overburdened.*
- Reexamine the focus of the graduate program given the competencies of the Department and expectations of future budgets and faculty composition. Review both the number/type of graduate level course offerings and their content to address concerns regarding rigor, quality and instructor fatigue.
 - *Graduate Committee meets regularly to reevaluate course offerings and overall program. Both the MS & PhD curricula has been redefined. The MS curriculum is completed and the PhD changes are evolving as planned, with several additional 700-level courses. Current plans for the graduate program involve stronger distinctions between MS-level and PhD-level courses, which is intended to allow for increased rigor and quality. Some new graduate courses have been developed to correspond with faculty interests and expertise, so instructor fatigue has not been noted recently as a critical issue.*
- Assess how the Department communicates its expectations, rational and requirements to graduate students, particularly in terms of the Agriculture Economics qualifying examination, but also required course work and research progress. A starting point may be to update the Graduate Student Handbook to be consistent with current practice.
 - *The graduate students welcomed the change in requirements for the macroeconomics theory exam, and seem well-disposed toward replacing the ag. econ. qualifying exam with a research paper of publishable quality. The Handbook and website are being updated on a recurring basis, but the graduate program is currently in the midst of transition to a new set of requirements, which will require care in communication to students.*
- Consider alternate ways of monitoring and assisting graduate students in achieving satisfactory degree progress. One mechanism could include a research methods seminar where students learn how to identify and properly frame research questions.

- *A research methods course was recently offered, and some faculty are actively trying to insert more of such material in appropriate graduate classes. The new second-year paper requirement is another tool for promoting timely progress.*
- Initiate a means to increase the exposure of graduate students entering the job market and assist in job matching. An economical way of doing this is by utilizing the Departmental website and coordinating a process to list incoming employment opportunities.
 - *The Departmental monthly newsletter includes a listing of employment opportunities, which are also forwarded by faculty and the department chair via email.*
- Strictly enforce prerequisites for undergraduate courses and set higher grade standards for advancement within the curriculum.
 - *Students are required to earn a grade of C or higher in the four core courses. Prerequisites continue to be loosely enforced, often because of difficulties in getting students through long prerequisite sequences when most transfer into the program as juniors. However, improvements in technology make it easier to enforce those prerequisites that are deemed most important.*
- Streamline the undergraduate curriculum by reducing the wide range of courses offered and focus on increasing the intensity within the core classes. Monitor recent curriculum changes to assure that it caters to the better students.
 - *The undergraduate curriculum now contains a slightly smaller number of courses. The intensity of core courses appears to be unchanged. A course that was developed to cater to better students (AEC 490) only succeeded partially in meeting this goal, and is in fact being pitched at a slightly lower level now to attract larger enrollments. Other initiatives are being pursued to give better students opportunities for development, including using course credit to promote membership on quiz bowl and case study competition teams at conferences*
- Place more responsibility on undergraduate students for understanding the curriculum and graduation requirements in order to relieve the pressure and time constraints on faculty during student advising.
 - *With the adoption of new technology, students now have better access, and are more familiar with graduation requirements. Overall, the advising process has become more time-efficient.*
- Incorporate many of the skills previously taught in senior seminar into other undergraduate courses.
 - *The capstone courses, AEC 422 and AEC 490, incorporate the skills emphasized in the previous senior seminar course. Hands-on analytical skills are included more in the AEC 303 core course. Several faculty participate regularly in College teaching workshops, and inject new ideas into their courses to improve student learning. The new assessment process required of all departments is helpful in tracking which courses emphasize which aspects of the curriculum.*

APPENDIX C: FACULTY CURRICULUM VITAS

Roger Brown

EDUCATION

Ph. D. *Forestry and Wildlife Sciences*, Auburn University 2004
Specialization: Forest economics, management, and policy
M. P. A. *Public Policy and Administration*, University of Kentucky 2008
Specialization: Non-profit finance and management
M. Plan *Architecture, Property, and Planning*, Auckland University 1999
Specialization: Sustainable development and dispute resolution
M. A. *Diplomacy and International Commerce*, University of Kentucky 1998
Specialization: Environmental law and international relations
B. A. *English*, University of Kentucky 1996

ACADEMIC EMPLOYMENT

Senior Lecturer *Agricultural Economics Department*, University of Kentucky 09/10 – present
Teach and advise undergraduate students in agricultural economics.
Lecturer *Agricultural Economics Department*, University of Kentucky 09/05 – 09/10
Teach and advise undergraduate students in agricultural economics.
Researcher *Horseshoe Bend National Military Park*, Daviston, Alabama 01/04 – 06/04
Conducted forest surveys; analyzed soil maps, aerial photos, and topographic maps; prepared GIS boundary and cover maps, coauthored natural resource assessment and management plan.
Instructor *Economics Department*, Auburn University 01/02 – 04/04
Taught undergraduate courses in microeconomic principles.
Instructor *English Department*, Southern Community College, Tuskegee, AL 08/00 – 12/00
Taught undergraduate courses in English literature and writing.

PUBLICATIONS

Peer-Reviewed Journal Articles

BROWN, R. M., AND D. N. LABAND. 2006. "Applicability of Research Findings to Conservation Policy." *Conservation Biology*. **21**: 549-551.
BROWN, R. M., AND D. N. LABAND. 2006. "Species Imperilment and Spatial Patterns of Development in the United States." *Conservation Biology*. **20**: 239-244.
BROWN, R. M., AND D. ZHANG. 2005. "Supply Elasticity Estimates for Disaggregated Paper Products: A Primal Approach." *Forest Science*. **51**: 570-577.
BROWN, R. M., AND D. ZHANG. 2005. "The Sustainable Forestry Initiative's Impact on U.S. South Stumpage Markets." *Canadian Journal of Forest Research*. **35**: 2056-2064.

Presentations and Proceedings

FLEMING, R. A., A. PAGOULATOS, R. JOHNSON, AND R. BROWN. 2006. "The Effect of Public Substitutes on Willingness to Accept Compensation for Access to Private Land." Paper presented at the Annual Meeting (W1133) of the Western Regional Committee on Natural Resource and Environmental Economics, San Antonio, TX. February 22-25.
BROWN, R. M. AND D. ZHANG. 2003. "Econometric Analysis of United States Paper Supply: 1981 – 2001." p. 40-46. in Proceedings of the 2003 Southern Forest Economics Workers Annual Meeting.

Moffat, S. O. (ed.). New Orleans, LA.

TEACHING EXPERIENCE

University of Kentucky, Lexington, Kentucky

AEC 305 *Food and Agricultural Marketing Principles* (2 sections, distance learning)

AEC 305 *Food and Agricultural Marketing Principles* (10 sections, traditional on-campus)

AEC 300 *Special Topics in Agricultural Economics: Equine Markets* (1 section)

AEC 101 *Introduction to the Economics of Food and Agriculture* (9 sections)

Auburn University, Auburn, Alabama

ECON 2020 *Principles of Microeconomics*

Southern Community College, Tuskegee, Alabama

ENG 100 *College Reading*

ENG 101 *Fundamentals of English*

SUPERVISORY ACTIVITIES

Academic Coursework

AEC 580 *Special Problems in Agricultural Economics* (supervised 6 students)

AEC 399 *Experiential Education in Agricultural Economics* (supervised 10 students)

Undergraduate Advising

Advise an average of 40 AEC students per semester, 10 semesters

ACADEMIC SERVICE

Academic Journal Reviewer

Journal of Applied Economics and Policy

Journal of Agriculture and Applied Economics

Ecological Economics

Committee Member

College of Agriculture Recruitment Committee, 2010 – present

Undergraduate Committee, UK Department of Agricultural Economics, 2005 – present

Search Committee, UK Agriculture Economics Equine (T&E) position, 2007

Student Club Sponsor

UK Bass Fishing Club, 2010 – present

UK Women's Polo Team, 2006 – present

UK Men's Polo Team, 2006 – present

Kenny Burdine

Education

Master of Science in Agricultural Economics. University of Kentucky. December 1999.

Bachelor of Science in Agricultural Economics. University of Kentucky. December 2003.

Description of Extension Program

My extension program is very broad and covers management and marketing education in the areas of beef cattle, dairy cattle, equine, and forage crops. I spend a great deal of time working directly with agricultural extension agents and farmers delivery programming at both the regional and county level. I also communicate through timely publications including our department's Economic and Policy Update and a monthly beef cattle market update published in Off the Hoof. Additionally, I devote approximately 5% of my time serving on the board of the Kentucky Agricultural Finance Corporation.

Recent Selected Publications

Burdine, Kenny and Sara Williamson. "The Economic Outlook for Kentucky Agriculture in 2010". December 2009.

Burdine, Kenny, Greg Halich, and Jeff Lehmkueler. "Valuing Corn Silage for Beef Cattle Feed." AEC 2009 -12. August 2009.

Halich, Greg, Ray Smith, and Kenny Burdine. "Profitability of Spring Hayfield Nitrogen Applications – 2009 Guide". AEC 2009-02. March 2009.

Williamson, Sara and Kenny Burdine. "Agricultural Situation and Outlook." ESM-34. October 2008.

Burdine, Kenny and Greg Halich. "Understanding USDA's Livestock Risk Protection Insurance for Feeder Cattle". AEC 2008-04. July 2008.

Trimble, Dick, Kenny Burdine, Greg Halich, Lee Meyer, and Steve Isaacs. "Beef Enterprise Budgets: Version 2008.01." July 2008.

Burdine, Kenny, Bob Coleman, and Traci Missun. "Temporary Fencing for Horse Pastures". ID-165. January 2008.

Selected In-service Training for Extension Agents

Feeder Cattle Price Risk Management through Futures and Options. February 9th and 19th. Princeton, KY and Versailles, KY.

"Computer Applications for Farm Management." October 30th and 31st, 2008. Winchester and Elizabethtown, KY.

"Stocking Rate Economics" Fall ANR Agent Updates. 3 locations. October 20, 2008 in Winchester, November 18, 2008 in Elizabethtown, and December 9th 2008 in Owensboro.

"Equine, Dairy, and Cattle Update." Economic Subject Matter Trainings. October 2009. 4 Locations.

GRANT ACTIVITY

Burdine, Kenny. Principal Investigator. Advanced Master Cattleman. \$154,560 over 2 years. Phase I Grant with Kentucky Beef Network.

J. D. Green, W. W. Witt, K. Burdine, and G. J. Schwab. 2008-2011. Integrated Weed Management Strategies to Increase Pasture Productivity. USDA-CSREES Regional Integrated Pest Management Grants Program – Southern Region. \$116,188.

SELECTED INVITED PRESENTATIONS

“Cost Control in the Cow-calf Operation.” 2008 Winter Kentucky Beef Conference. January 22, 2008. Lexington, KY.

“Grazing Versus Feeding Hay to Horses”. Equine Forage Field Day. August 26, 2008. Equine Humane Center.

“The Economics of Grazing and Winter Feed”. 2008 Kentucky / Tennessee Cow-calf Conference. October 3, 2008. Bowling Green, KY.

“Understanding USDA’s Livestock Risk Protection Insurance”. 2008 Fall Kentucky Beef Conference. October 23, 2008. Lexington, KY.

“Costs and Returns to Alfalfa Production.” 2009 Alfalfa Conference. February 19, 2009. Cave City, KY.

“Does Your Horse Operation Need a Bale-out?” 2009 UK Equine Field Day. June 27, 2009. Lexington, KY.

“Managing Cow-calf Operations in 2009.” 2009 Purdue University Greener Pastures Field Day. Corydon, IN.

“The Economic Climate of Kentucky’s Horse Industry.” LDDC Equine Seminar Series. September 24, 2009. Lexington, KY.

“Grazing vs. Purchasing Hay.” Kentucky Quarter Horse Association Meeting. December 12, 2009. Lexington, KY.

Allison Davis

Experience: **Associate Professor**, Department of Agricultural Economics, University of Kentucky, 60% Extension, 20% Resident Instruction, and 20% Research, July 2010 – present
Assistant Professor, Department of Agricultural Economics, University of Kentucky, 65% Extension, 20% Resident Instruction, and 15% Research, June 2006 - June 2010
Assistant Research Professor, Department of Resource Economics, University of Nevada Reno, September 2004 to May 2006.

Education: **Ph.D. Economics**, 2004, North Carolina State University
B.A. Economics, 1997, Skidmore College

Extramural Funded Projects (PI: \$827,575; Co-PI: \$568,000)

1. **Alison F. Davis**, Kentucky Health Market Report, Foundation for a Healthy Kentucky, \$118,525, October 2010- September 2011
2. Isfort, John and **Alison F. Davis**, Project HOME, Office of Rural Health Policy, \$85,000, May 2010 – April 2011
3. **Alison F. Davis** (PI), Research Activity Award (Childhood Obesity Research), **\$5,000**, University of Kentucky, College of Agriculture, August 2009 – December 2009.
4. **Alison F. Davis** (Co-PI) and Leigh J. Maynard (Co-PI), Evaluation of Health Programs and Treatment of Obesity, **\$10,000**, University of Kentucky, Human Resources, July, 2009 – December, 2009.
5. **Alison F. Davis**, PI; Boone County Cost of Community Services; **\$4,000**, Boone County Conservation District, 9/1/09 – 5/31/10.
6. **Alison F. Davis**, PI; Economic Impact of Union College Allied Health Center; **\$500**, Union College, 8/1/09 – 9/30/09.
7. **Alison F. Davis**, PI; Know Your Region Western Kentucky; **\$7,500**, Kentucky State University (Gae Broadwater), September 2009.
8. **Alison F. Davis**, PI; Kentucky Rural Health Works Program; **\$50,000**, a scope account from the Kentucky Office of Rural Health Flexibility Grant funded by Health Resources Services Administration, 9/1/09-8/31/10, Nationally Competitive.
9. **Alison F. Davis**, PI; Kentucky Rural Health Works Program; **\$50,000**, a scope account from the Kentucky Office of Rural Health Flexibility Grant funded by Health Resources Services Administration, 9/1/08-8/31/09, Nationally Competitive.
10. **Alison F. Davis**, PI; A Program of Technical Assistance to Improve the Quality of Life for Low-Income Communities in Kentucky; **\$300,316**, (with a \$300,000 cash match from College of Ag, Appalachian Center, Department of Agricultural Economics, and Kentucky Entrepreneurial Coaches Institute) USDA – Rural Housing Service, 6/1/07 – 5/31/10, Nationally Competitive.
11. **Alison F. Davis**, PI; Kentucky Rural Health Works Program; **\$50,000**, a scope account from the Kentucky State Office of Rural Health Flexibility, Grant funded by Health Resources Services Administration, 9/1/07-8/31/08, Nationally Competitive.
12. Debbie Murray, CO-PI, Faika Zanjani, CO-PI, **Alison F. Davis** (evaluation team), Mental Healthiness Aging Initiative; **\$300,000**, USDA CSREES Rural Health and Safety, 10/1/07-9/30/08, Nationally Competitive.
13. Sue Nokes, CO-PI and Michael Montross, CO-PI, **Alison F. Davis** (collaborator), An Evaluation of the 25 by '25 Plan (Kentucky Rural Energy Supply Program) **\$268,600** (subcontract awarded by University of Louisville for competitive grants administration), 2005-2007.

14. **Alison F. Davis** PI, Craig Infanger, CO-PI; Kentucky Rural Health Works Program; \$65,000, a scope account from the Kentucky State Office of Rural Health Flexibility, Grant funded by Health Resources Services Administration, 9/1/06-8/31/07.

Publications

Journal Articles and Book Chapters

- Davis, Alison F.** and Thomas R. Harris, "The Use of Double Hurdles Models: An Application to Nevada" in Targeting Regional Economic Development, editors Stephan Goetz, Steven Deller and Thomas Harris, March 2009.
- Goetz, Stephan, Steve Deller, Thomas Harris, and **Alison Davis**. "What Have We Learned?" in Targeting Regional Economic Development, editors Stephan Goetz, Steven Deller and Thomas Harris, March 2009.
- Hu, Wuyang and **Alison F. Davis** "Desert Recreation Management: Value of Perceived Freedom." Forthcoming in *Applied Economics Letters*
- Davis, Alison F.** and Klaus Moeltner "Valuing the Prevention of an Infestation: The Case of the New Zealand Mud Snail and the Truckee / Carson / Walker Fishery." Forthcoming in *Agricultural and Resource Economics Review*
- Ona, Lucia and **Alison Davis**, "Economic Impact of the Critical Access Hospital Program on Kentucky's Communities," Forthcoming in *Journal of Rural Health*, 2010
- Davis, Alison F.** and Thomas R. Harris, "Exploring Firm Location Beyond Simple Growth Models: A Double Hurdle Application." *Journal of Regional Analysis and Policy*, 2006, 36(1): 45-67.

Selected Extension and Numbered Publications

- Davis, Alison** and Marcus Bernard, "The Economic Contribution of Kentucky's Hospitals," Kentucky Rural Health Works Publication, August 2009 (22 pgs)
- Davis, Alison**, "The Economic Impact of Union College's School of Allied Health," Kentucky Rural Health Works Publication, prepared for Union College, August 2009 (8 pgs)
- Davis, Alison** and Agus Hudoyo, "The Financial Status of Kentucky's Critical Access Hospital Program," Kentucky Rural Health Works Publication, June 2009
- Davis, Alison**, "Kentucky's Urban/Rural Landscape: What is Driving the Differences in Wealth Across Kentucky?" Kentucky Annual Economic Report, Center for Business and Economic Research, Department of Economics, University of Kentucky, 2009
- Davis, Alison** and Lucia Ona, "The Kentucky State Rural Health Plan," Kentucky Rural Health Works Publication, November 2008 (36 pgs)
- Davis, Alison**, "Why are Estill County Residents Bypassing their Local Hospital?" Rural Health Works Publication, Presented to Marcum Wallace Hospital, July 2008 (17 pgs)
- Ona, Lucia and **Alison Davis**, "The Impact of Critical Access Hospital Conversions in Kentucky," Rural Health Works Publication, April 2008 (19 pgs)
- Balazs, Simona and **Alison Davis**, "The Impact of the State Loan Repayment Program," Rural Health Works Publication, April 2008 (15 pgs)
- Balazs, Simona and **Alison Davis**, "The Impact of Medicaid on the State of Kentucky," Rural Health Works Publication, February 2008 (21 pgs)
- Balazs, Simona and **Alison Davis**, "The Economic Impact of a Rural Physician to Kentucky," Rural Health Works Publication, September 2007 (2 pgs)
- Davis, Alison**, "The Return on Community Investment for the Kentucky River Health Network", KY Rural Health Works Publication, August 2007 (15 pgs)

David L. Debertin

Degrees Received: BS (1969), MS (1970, North Dakota State Univ, PhD, Purdue, Aug 1973, Ag. Econ,

Asst Prof, Purdue, 1973-74, UK, 1974-76; Assoc Prof UK, 1976-79; Prof, Ag Econ, UK, July 1 1979-present

Editor, *Journal of Agricultural and Applied Economics* 1993-1995 Volumes, *Review of Agricultural Economics* for the 1997 and 1998 volumes. Co-founded the *Review of Ag. Economics* in its current format under AAEA sponsorship (with A. Pagoulatos)

Current Hatch Project

Impacts of Social Capital on the Economic Development and Well-Being of Rural Areas.

Recently Funded Projects:

Co-PI, USDA NRI/CGI, Wages, Jobs and the Environment: Policy Choices for Rural Areas, Sept. 30, 2000_Sept. 29, 2001, \$60,000

Precision Agriculture: Development and Assessment of Integrated Practices for Kentucky Producers. "Precision Farming Adoption in Kentucky: The Role of Capital Costs and Farm Size" USDA Grant (PI) \$54,900

Precision Agriculture: Development and Assessment of Integrated Practices for Kentucky Producers. "Minimizing PF Technology Adoption and Production Costs" USDA Grant (PI) ... \$80,100.
(principal investigator on the above 2-year project)

Assessing the Impacts of Welfare Reform co-PI Southern Rur.Dev.Center Grant \$36,000

Articles in the AJAE:

Debertin, David L., "Significance Tests of Regression Coefficients: An Additional Reminder," *American Journal of Agricultural Economics* 57:1, 1975.

Debertin, David L., Gerald A. Harrison, Robert J. Rades and Lawrence P. Bohl, "Estimating the Return to Information: A Gaming Approach," *American Journal of Agricultural Economics* 57:2, May 1975.

Freund, R.J., and D.L. Debertin, "Variable Selection and Statistical Significance," *American Journal of Agricultural Economics* 57:4, 1975.

Debertin, D.L., R.J. Rades and G.A. Harrison, "Returns to Information, An Addendum," *American Journal of Agricultural Economics* 58:2, 1976.

Debertin, David L., Angelos Pagoulatos and Garnett L. Bradford, "Computer Graphics: An Educational Tool in Production Economics," *American Journal of Agricultural Economics* 59:4, 1977.

Debertin, David L., Lynn Robbins and Larry Jones, "Kentucky's ANSER, Agricultural Network Serving Extension and Research," *American Journal of Agricultural Economics*. August, 1979.

Debertin, David L., Charles L. Moore Sr., Larry D. Jones and Angelos Pagoulatos, "Impacts on Farmers of a Computerized Management Decisionmaking Model," *American Journal Agricultural Economics* 63:2, May, 1981.

Debertin, David L. and Larry D. Jones. "Applications of Computer Graphics to Undergraduate Instruction in Agricultural Economics." *American Journal of Agricultural Economics*. 73:1. Feb. 1991.

Debertin, David L. "An Animated Instructional Module for Teaching Production Economics with 3-D Graphics." *American Journal of Agricultural Economics*. 75:2. May, 1993 485-91.

Debertin, David L. "Rural Development Issues for Agricultural Economists in the Year 2000: Discussion." *American Journal of Agricultural Economics* 75:5 December, 1993.

Debertin, David L. Review of Allan N. Rae, "Agricultural Management Analysis, Activity Analysis and Decisionmaking, *American Journal of Agricultural Economics* 77:3 (August, 1995) pp. 821-3 (Book Review)

Goetz, Stephan J. and David L. Debertin. "Why Farmers Quit: A County-Level Analysis" *American Journal of Agricultural Economics* 83(4) November, 2001 1010-1023.

Book: Debertin, David L. *Agricultural Production Economics* New York: Macmillan, Inc. 1986. a graduate level ag. production economics text. (reviewed in *Am. J. Agr. Econ.*, May, 1987) Second Edition (draft) 1993 Converted to CD-ROM/pdf, 2002

Carl R. Dillon

POSITION: Professor, University of Kentucky, July 2008 – Present.
Associate Professor, University of Kentucky, .September 1998 – June 2008.
Assistant and Associate Professor, University of Arkansas, 1990 – 1998

EDUCATION: Ph.D. Agricultural Economics, Texas A&M University, 1991
M.S. Agricultural Economics, Texas A&M University, 1987
B.S. Agricultural Business, Sam Houston State Univ., 1985

TEACHING INTERESTS:

Farm Business Management, Advanced Farm Business Management, Production Economics, Quantitative Analysis in Agricultural Economics, Operations Research Methods in Agricultural Economics, Mathematical Programming in Agricultural Economics, Precision Agriculture

RESEARCH INTERESTS:

Production Economics
Quantitative Techniques applied to Agricultural Economic Analysis with special emphasis in Mathematical Programming
Miscellaneous - Production Management Decisionmaking, Interdisciplinary Research on Agricultural Systems, Precision Agriculture, Risk Analysis

RESEARCH ACCOMPLISHMENTS:

33(23) Refereed Journal Articles (Senior or Sole Authorship in Parentheses)
3(2) Invited Refereed Journal Articles – Included in Above
32(19) Published Proceedings (11(9) Refereed)
2(1) Book Chapters
4(4) Organized Symposium Paper
4(3) Refereed University and Government Reports and Bulletins
3(2) Refereed University and Government Articles
7(6) Nonrefereed Journal Articles
10(1) Nonrefereed University and Government Articles
75(62) Professional Presentations and Invited Lectures
23(17) Popular Articles
23(18) Posters (4(4) Refereed)
51(48) Grants

SELECTED GRANTS:

Southern Region Risk Management Education Center, USDA – CSREES RMA 2005, 2007
University of Kentucky, College of Agriculture, Precision Agriculture, 1999-2004, 2006-2007.

SELECTED REFEREED JOURNAL ARTICLES:

Vassalos, M., **C.R. Dillon** and P. Karanikolas. “Farm Decision-Making in a Multifunctional Context: The Case of Conventional and Organic Farming in Kerkini District, Greece”
Abstract: Applied Studies in Agribusiness and Commerce. 2010,1&2(2010):Forthcoming.

Luck, J.D., S.K. Pitla, S.A. Shearer, T.G. Mueller, **C.R. Dillon**, J.P. Fulton and S.F. Higgins.
“Potential for Pesticide and Nutrient Savings via Map-based Automatic Boom Section Control of Spray Nozzles” *Computers and Electronics in Agriculture*. 70,1(2010):19-26.

Gandonou, J., **C.R. Dillon**, S.A. Shearer, and T. Stombaugh. "Precision Agriculture Equipment Ownership versus Custom Hire: A Break-even Land Area Analysis" *Journal of the American Society of Farm Managers and Rural Appraisers* 68,1(2006): 106-116.

Stull, J.D., **C.R. Dillon**, S.G. Isaacs and S.A. Shearer. "Using Precision Agriculture Technology for Economically Optimal Strategic Decisions: The Case of CRP Filter Strip Enrollment." *Journal of Sustainable Agriculture*. 24, 4(2004):79-96.

Dillon, C.R. "A Framework for Economic Analysis of Cropping Systems: Profitability, Risk Management and Resource Allocation." *Journal of Crop Production*. 9,1&2(2003): 409-432. *Invited refereed journal article.*

SELECTED REFEREED PROCEEDINGS:

Shockley, J.M., **C.R. Dillon***, and T. Stombaugh. "Auto-steer Navigation Profitability and Its Influence on Management Practices: A Whole Farm Analysis" Proceedings of the 7th European Conference on Precision Agriculture. J. Stafford, ed. Wageningen, Netherlands. July 6-8, 2009. 751-757.

Dillon, C.R., S. Shearer, J. Fulton and S. Pitla. "Improved Profitability via Enhanced Variable Rate Application Management in Grain Crop Production" *Proceedings of the 6th European Conference on Precision Agriculture*. J Stafford, ed. Skiathos, Greece. June 3-6, 2007. 819-825.

Dillon, C.R., T.S. Stombaugh, B. Kayrouz, J. Salim and B.K. Koostra. "An Educational Workshop on the Use of Precision Agriculture as a Risk Management Tool" *Proceedings of the 6th European Conference on Precision Agriculture*. J Stafford, ed. Skiathos, Greece. June 3-6, 2007. 861-867.

Gandonou, J. and **C.R. Dillon**. "Precision Timing and Spatial Allocation of Economic Fertilizer Application Considering Suitable Field Days" *Proceedings of the 6th European Conference on Precision Agriculture*, J Stafford, ed. Skiathos, Greece. June 3-6, 2007. 737-743.

Dillon, C.R., T. Mueller and S.A. Shearer. "An Economic Optimization Model for Management Zone Configuration." **Refereed** paper presentation. *Proceedings of the 4th European Conference on Precision Agriculture*. J Stafford and A. Werner, ed. Berlin, Germany. June 15-19, 2003. 165-169.

Dillon, C.R., S.A. Shearer, J. Fulton and M. Kanakasabai. "Optimal Path Nutrient Application Using Variable Rate Technology." **Refereed** paper presentation. *Proceedings of the 4th European Conference on Precision Agriculture*. J Stafford and A. Werner, ed. Berlin, Germany. June 15-19, 2003. 171-176.

SELECTED HONORS AND AWARDS:

Distinguished Professional Contribution Award, Southern Agricultural Economics Assoc., with S. Saghaian, 2007
University of Kentucky College of Agriculture Wethington Award 2006, 2008.
University of Kentucky Ken Freedman Outstanding Advisor Award, Faculty Advisor 2005
Arkansas Chapter Gamma Sigma Delta Teaching Award of Merit, Dale Bumpers College of Agricultural, Food and Life Sciences, 1997

David Freshwater

EDUCATION:

B.A. (Hons.), Brock University, Economics 1972.

M.A., McMaster University, Economics 1973.

Ph.D. Michigan State University, Agricultural Economics 1977

EMPLOYMENT:

June 1997-present *Professor, Agricultural Economics, and Martin School of Public Administration, University of Kentucky.* My current research interests continue to focus on rural development issues in the industrialized (OECD) countries, but I am returning to agricultural policy as a core interest. In particular I am interested in examining the linkage between agriculture and broader rural development issues, particularly the role of off-farm income and agri-environmental policy. My main rural development research is oriented around: the performance of local labor markets, the nature and role of innovation in rural areas, and the role of renewable energy production in expanding rural income and employment. I currently teach an undergraduate class in regional economics, an advanced agricultural policy class that is oriented to second year doctoral students and an undergraduate class on the economics of not-for-profit firms.

November 2009 – November 2012 *Adjunct Professor, Department of Geography, Memorial University, St. John's Newfoundland*

January 2009 – December 2009 *Head, Rural Development Program, Organization for Economic Cooperation and Development (OECD), Paris.* As head of unit I supervised a small staff that carried out rural policy research for the OECD. My responsibilities involved day to day management, coordination with other parts of the organization and supervising the work of the unit. The unit conducted two major reviews of rural policy in Quebec and England and organized an annual rural conference. In addition it was involved in a number of collaborative projects with other OECD sections on, urban-rural interaction and the impact of climate change on the Nordic countries.

January 2001 – December 2002 *Economic Development Specialist, Kentucky League of Cities.* This was a sabbatical year position during which I worked with the League on three projects. The first was to develop and host a round table discussion on the future of small and medium size cities in the new economy. It was held in Danville, KY in the fall and focused on how local government can improve the economic prospects in their community. The second project was to work with the Commissioner for the New Economy for the state of Kentucky to develop regional and state plans to improve the research and technology base of the state and take advantage of new economic opportunities. The third task was to help a select group of cities in Kentucky develop strategic development plans that build upon their existing economic strengths and leverage new resources for growth.

June 1997-June 2001 *Program Manager, TVA Rural Studies and Professor, Agricultural Economics, and Martin School of Public Administration, University of Kentucky.*

January 1996-June 1997 *Program Manager, TVA Rural Studies and Associate Professor, Department of Agricultural Economics, University of Kentucky*

January 1995-December 1995 *Associate Professor, Department of Agricultural Economics, University of Kentucky and Director Of Research, Center for Rural Studies.*

July 1990-Dec. 1994, *Associate Professor, Department of Agricultural Economics and Martin School of Public Administration, University of Kentucky.*

October 1987-July 1990, *Senior Economist, The Joint Economic Committee of the U.S. Congress.*

February 1987-October 1987, *Professional Staff, U.S. Senate Committee on Agriculture, Nutrition and Forestry.*

January 1985-February 1987, *Visiting Scholar, U.S. Department of Agriculture, Economic Research Service.*

July 1983-December 1986, *Associate Professor, Department of Agricultural Economics, University of Manitoba.*

August 1978-June 1983, *Assistant Professor, Department of Agricultural Economics, University of Manitoba.*

February 1977-August 1978, *Post-doctoral Research Associate, Department of Forestry, Michigan State University.*

DISSERTATION

Freshwater, David. "The Linkages Between Individual Use and Public Management of Flood Plains," (unpublished Ph.D. Dissertation) Michigan State University. 1977.

Greg S. Halich

Current Title: Assistant Extension Professor, Farm Management Specialist
DOE: 90% Extension, 10% Instruction

Printed and Electronic Extension Programming

Refereed Journal Articles: *2 Since 2006*

“Effectiveness of Residential Water-Use Restrictions under Varying Levels of Municipal Effort”, **Greg Halich** and Kurt Stephenson. *Land Economics*. November 2009.

“How to Estimate Custom Machinery Rates”, Gregg Ibendahl and **Greg Halich**. 2010 *Journal of the ASFMRA*, June 2010.

Numbered Extension Publications (Examples Below): *23 Since 2006*

“Kentucky ANR Agent Land Value and Cash Rent Survey” (AEC 2010-06). **Greg Halich**, Karen Pulliam, and Sarah Lovett. July 2010.

“Custom Machinery Rates Applicable to Kentucky (2010)” (AEC 2010-03). **Greg Halich**. March 2010.

“Profitability of Spring Hayfield Nitrogen Applications – 2010 Guide” (AEC 2010-02). **Greg Halich**, Ray Smith, and Kenny Burdine. March 2010.

Agricultural Situation and Outlook, Fall 2006 (ESM-32); Fall 2007 (ESM-33); Fall 2008 (ESM-34); Fall 2009 (ESM-35). Sections: “Timber Market Outlook” and “Crop Planting Decisions”. **Greg Halich**. October 2006, 2007, 2008, and 2009.

“Optimal Nitrogen Application Rates for Stockpiling Tall Fescue Pastures - 2009 Guide” (AEC 2009-09). **Greg Halich** and Ray Smith. July 2009.

“Understanding USDA’s Livestock Risk Protection Insurance Program for Feeder Cattle” (AEC 2008-04). Kenny Burdine and **Greg Halich**. July, 2008.

“Custom Machinery Rates Applicable to Kentucky (2008) Revised for \$4.00 Fuel” (AEC 2008-01 Revised). **Greg Halich**. June 2008.

“Corn Production on Sod Ground – Planning Budget and Guide for 2008” (AEC 2008-03). **Greg Halich** and Chad Lee. March 2008.

“Evaluating Options for Freeze Damaged Wheat” (AEC 2007-06). **Greg Halich**, Chad Lee, Kenny Burdine, and Steve Riggins. April 2007.

Electronic Media (Budgets and Decision-Aids - Examples Below): *13 Since 2006*

“Capital Investment/Fixed Cost Estimation Spreadsheet”. **Greg Halich**. April 2010.

“Switchgrass Profitability Relative to Hay Budget”. **Greg Halich**. April 2010.

“Pasture-Based Beef Finishing Planning Tool”. **Greg Halich**. March 2010.

“Wheat and Wheat Double-Crop Soybean Budgets 2009-2010”. **Greg Halich**. October 2009.

“Corn and Soybean Budgets 2010”. **Greg Halich**. October 2009

“Beef Enterprise Budgets”. Richard Trimble, Kenneth Burdine, **Greg Halich**, Lee Meyer, and Steve Isaacs. July, 2008.

“Tobacco Irrigation Decision Aid (Burley)”. **Greg Halich** and Laura Powers. July 2007.

“Wheat Damage Decision Aid”. **Greg Halich**. April 2007.

Meetings, Presentations, and Consultations

Multi-Session Workshops:

68 Since 2006

Examples include:

Pasture-Based Beef Finishing Workshop, Session #1. Ashland, Kentucky. Greg Halich, Lee Meyer, Jeff Lehmkuhler, and Gregg Rentfrow. April 8, 2010. Presentation Topics: 1) “Workshop Introduction” and 2) “Profitability Evaluation for Pasture-Based Finishing Systems”.

Master Cattlemen: Farm Management and Economics. Presentation Topic: “Capital Investment/Fixed Cost Estimation”. Madison County. Jack McAlister and **Greg Halich**. February 4, 2010.

UK Farm Management Workshop. Farm Service Agency Borrower Training Program. Somerset, KY. Dick Trimble, **Greg Halich**, and Rush Midkiff. April 29 and 30, 2009.

Agent Training:

24 Since 2006

Examples include:

Economic Subject Matter Training. Presentation Topics: 1) “Crop Profitability Outlook” and 2) “Timber Market Outlook”, October 19-22, 2009. Four locations.

Farm Bureau Conference Agent Training: “2008 Farm Bill ACRE Program”. December 3, 2008.

ANR Update: “Fertilizer Economics”. November 18, 2008 Elizabethtown.

Conventional Meetings and Presentations:

44 Since 2006

Examples include:

“Will ACRE Pay? ACRE Simulation Results”. Christian County. May 26, 2010.

“Cattle, Hay, and Forestry Profitability Outlook”. Wolfe County. March 23, 2010.

“Profitability Evaluation of Grass-Finished Beef”, Keynote Speaker at the American Grassfed Association Annual Conference. Lexington, Kentucky. February 5, 2010.

“Freezer Beef Production: Summary of Production Models and Profitability of Grass-Finished and Grain-on-Grass Finished Beef”. Campbell County. October 6 2009.

Legislative and Government Presentations:

2 Since 2006

Ethanol’s impact on Kentucky agriculture. Kentucky State Legislators Joint Committee on Agriculture and Natural Resources. Lexington. August 27, 2008.

Profitability of Switchgrass compared to Hay Production. Kentucky Renewable Energy Consortium. Louisville. September 10 2009.

Wuyang Hu

Current Title: Associate Professor
Current Address: Department of Agricultural Economics, 313 Charles E. Barnhart Building
University of Kentucky, Lexington, Kentucky 40546-0276
Phone: (859) 257-7271 Fax: (859) 257-7290
Email: wuyang.hu@uky.edu

EDUCATION

- Ph.D. in Agricultural and Resource Economics 11/04
University of Alberta, Canada
- B.Sc. in Economics 06/98
Central University of Finance and Economics, China

WORK EXPERIENCE

- Associate Professor, Dept. of Agricultural Economics, Univ. of Kentucky 07/10-current
- Assistant Professor, Dept. of Agricultural Economics, Univ. of Kentucky 02/07-06/10
- Assist. Prof., Dept. of Resource Economics, Univ. of Nevada, Reno 08/05-01/07
- Postdoctoral Research Fellow, Dept. of Rural Economy, Univ. of Alberta 10/04-07/05

FIELDS OF SPECIALIZATION

- Consumer Economics, Marketing and Demand Analysis, Regional Economics and Development, Agricultural Policy Analysis, Non-market Valuation Methods, Discrete Choice Modeling, Bayesian and Empirical Bayes Methods, Experimental Economics

ACADEMIC AWARDS

- High Impact Research/Extension Award 12/09
(by College of Agriculture, Univ. of Kentucky)
- Outstanding Journal Article Award 05/06
Canadian J of Ag Econ 53: 83-102, Hu W., M. Veeman and W. Adamowicz
- Outstanding PhD Dissertation Award by Food Distribution Res. Society 10/05
- Outstanding PhD Dissertation Honorable Mention by Canadian Ag. Econ. Society (2002-2004, award announced every three years) 07/05
- Amer. Ag. Econ. Association Outstanding Ph.D. Dissertation Nomination 02/05
(by Dept. of Rural Economy, Univ. of Alberta)

MAJOR OTHER PROFESSIONAL AWARDS

- Research Activity Awards, University of Kentucky 08,09,10
- Strengthening Asian Studies and Languages across the Curriculum 12/07
Univ. of Kentucky
- Alberta 4-H Leaders of Agriculture Scholarship 12/02

SELECTED FUNDED RESEARCH GRANTS

8. Maynard, L., W. Hu (Co-PI) and E. Goddard "Willingness-to-Pay for Value-Added Canadian Beef Among U.S. Consumers" Consumer and Market Demand Network, Agriculture and Agri-Food Canada, \$30,000, 2010-2011.

7. Cox, N., G. Rentfrow, M. Newman, T. Woods and W. Hu (Co-PI) "Food Product Research and Development for Kentucky's Small Food Processors" Kentucky Agricultural Development Board, \$358,904, 2009-2010.
6. Woods, T., W. Hu, (Co-PI), J. Strang, T. Coolong, and D. Archbold "Marketing Nutrition for Kentucky Produce" New Crop Opportunity Center, Univ. of Kentucky, \$23,000, 2009-2010.
5. Hu, W. (PI), A. Pagoulatos, and S. Workman "Assessment of Market-based Water Quality Trading System for Green River and Kentucky River Watersheds" EPA Targeted Watersheds Grants, \$264,416, 2009-2011.
4. Hu, W. (PI) "Analysis of Current Market Demand for Ahi Poke and Consumer Trend Analysis" NOAA National Marine Fisheries Services, \$70,577, 2009-2010.
3. Harris, T., K. Curtis and W. Hu (Co-PI) "Great Basin Sheep Slaughter and Processing Plant Feasibility Analysis" USDA Nevada Agricultural Experiment Station, \$154,425, 2006-2007.
2. Hu, W. (PI), K. Conley and R. Torell "Benefit and Cost Analysis of Northern Nevada Lightweight Calves Breeding Strategies" Nevada Agricultural Experiment Station, \$28,468, 2006-07.
1. Curtis, K., T. Harris, S. Lewis and W. Hu (Co-PI) "Processing and Marketing of Local Meat Products: A Feasibility Analysis" USDA Nevada Agricultural Experiment Station, \$120,638, 2005-06.

REFEREED JOURNAL ARTICLES

- 32 refereed journal articles (lead author in 29) in journals such as the American Journal of Agricultural Economics, European Review of Agricultural Economics, Canadian Journal of Agricultural Economics, and Journal of Agricultural and Resource Economics

TEACHING

- Agricultural Financial Management (undergraduate/graduate): 2005, 2007
- Econometrics (graduate): 2009, 2010
- Economic Modeling and Decision Making (undergraduate): 2004, 2006
- Issues in Agriculture (freshmen only): 2008, 2009
- Natural Resource and Environmental Economics (undergraduate/graduate): 2006

SERVICES

- Selected Academic Journal Reviewer: Agricultural and Resource Economics Review, Agricultural Economics, American Journal of Agricultural Economics, Applied Economics, Canadian Journal of Agricultural Economics, Ecological Economics, European Review of Agricultural Economics, Journal of Agricultural Economics, Journal of Environmental Economics and Management, Review of Agricultural Economics

PROFESSIONAL MEMBERSHIP

- American Agricultural Economics Association, Association of Environmental and Resource Economists, Canadian Agricultural Economics Society, Food Distribution Research Society, International Society for Bayesian Analysis, Western Agricultural Economics Association, Western Regional Science Association

Craig Infanger

Education

Washington State University, Ph. D., Agricultural Economics
University of Utah, B.S., Business & Economics

Professional Experience

Agricultural Economist and Professor, University of Kentucky (1974-2010)

Responsible for off-campus educational programs in agricultural economics and agricultural policy; State Coordinator for the U.K. Income Tax Seminar Program (18 seminars, 1600 participants); and NRCM/NRES Steering Committee for degree program involving 60 majors. Prior assignments as Director of Undergraduate Studies (2008-2010), AEC Extension Coordinator and member of AEC Executive Committee (1996-2000), and State Coordinator, Kentucky Farm Business Analysis Program (1996-2000).

July 2000 – October 2002

Project Director, Marketing Assistance Project, Armenia

Responsible for field implementation an agribusiness development project in Armenia under contract with USDA-CSREES, Office of International Programs in collaboration with the U.S. Embassy, Yerevan. Directed the implementation of a \$7.5m in technical, financial, and marketing assistance to 55 agribusinesses and 15 farmer marketing associations. Coordinated 75 short and long-term consulting assignments in marketing and production. Worked closely with Assistance Coordination Group chaired by the U.S. Ambassador and collaboratively with the Armenian Ministry of Agriculture and the Armenian Agricultural University. Coordinated assistance programs with World Bank and other international organizations.

October 1992-December 1993

Resident Agricultural Policy Advisor, Russian Federation Ministry of Agriculture, Moscow

Expatriate policy advisor to Minister of Agriculture in Moscow under a USDA Emerging Democracies Program technical assistance contract. Responsible for policy advice on agrarian reform, agricultural privatization, land reform, agricultural credit issues, and negotiations with World Bank, OECD, and other international organizations. Liaison with U.S. Embassy-Moscow and USDA-Foreign Agriculture Service and other international organizations offering agricultural technical assistance to Russia.

1983 – 1985,

Agricultural Economist, Northeast Rainfed Agricultural Development Project, Thailand. Chief economist and technical advisor to the Northeast Rainfed Agricultural Development Project, a USAID-Royal Thai Government farming systems research and education project headquartered in Northeast Thailand. Responsible for technical assistance on all economic studies and analysis of project progress and assessment. Advisor on project organization and implementation of a farming systems approach to research and education for rice farmers by nine agencies within the Ministry of Agriculture.

PUBLICATIONS

Author of two books, book chapters, journal articles, and related publications in agricultural development, natural resource economics and policy, and economic development (copies or citations on request).

TEACHING RESPONSIBILITY

Responsible for undergraduate instruction in both Agricultural Economics and Natural Resource Conservation and Management. Advising in both AEC (12 students) and NRCM (11 students) and Internship Coordinator for NRCM, 2009-2011

AEC 445G, Introduction to Natural Resource and Environmental Economics (Spring semester, 40 students)

NRC 381, Natural Resource Policy Analysis (Spring semester, 30 students)

RECENT CONSULTING EXPERIENCE

Agricultural Development Board, Co-Leader and Economist on the evaluation of projects funded (~\$100 million) for agriculture and agribusiness, Frankfort, KY

Kentucky Water Resources Research Center, Economic analysis of property purchase options for polluted groundwater at the Paducah Gaseous Diffusion Plant, McCracken County, KY.

Steve Isaacs

EDUCATION

1992	Tennessee	Ph.D. in Agricultural Economics, University of Tennessee
1976	Tennessee	B.S. in Agricultural Economics, University of Tennessee

WORK EXPERIENCE

2002-present	Professor, Agricultural Economics, Univ. of KY
2005-2009	Assistant Director, Community and Economic Development
1997-2002	Associate Professor, Agricultural Economics, Univ. of KY
1992-1997	Assistant Professor, Agricultural Economics, Univ. of KY
1992-Present	Family Farm Owner, Graskop Farm, Versailles, KY
1985-1992	Research Associate, Ag. Econ. and Rural Soc., Univ. of TN
1976-1985	General Manager, Maymead Stock Farm, Inc. Mtn. City, TN

PROFESSIONAL MISSION To communicate sound economic principles of management and development to diverse audiences in a manner appropriate for each.

PROGRAMMING

Dr. Isaacs returned to Agricultural Economics after serving 3½ years as Assistant Director for Community and Economic Development for the UK Cooperative Extension Service. He worked for 13 years as an Extension farm management specialist with programs in farm financial management, human resource management, and the economics of injury prevention. Dr. Isaacs has delivered over 450 Extension presentations/workshops and 130 publications, and has directed or co-directed over \$3.4 million of externally funded programming.

SERVICE

In addition to membership in several professional organizations, Dr. Isaacs is a past member and chair of both the North Central Extension Farm Management committee, and the Southern Extension Farm Management committee, and former chair of the UK College of Agriculture Faculty Council, and served one term on the University Faculty Senate. He served for eight years on the National FFA Farm Business Management Career Development Event committee.

AWARDS

Dr. Isaacs has received Outstanding Extension Program awards from the Southern Agricultural Economics Association in 1998 and 2006; the Kentucky Association of State Extension Professionals in 1998, 2004, and 2006; and the American Agricultural Economics Association in 2006. He has received the UK Alumni Association Great Teacher Award, the Gamma Sigma Delta Master Teacher Award, the MD Whittaker Outstanding Extension Specialist Award, and the Honorary American FFA Degree.

INTERNATIONAL EXPERIENCE

International experience includes on-site training, consultation, and participation in professional meetings in France, Ukraine, Brazil, Argentina, Mexico, Canada, Scotland, Namibia, and South Africa.

SELECTED PUBLICATIONS

Numbered University Publications

- Trimble, Richard, Kenny Burdine, and Steve Isaacs. ***Economics of Hay Production and Harvesting***. Agricultural Economics - Extension No. 2005-10. Dec 2005.
- Lee, Chad, Steve Isaacs, Rodney Grusy. ***Grain Farming Primer for Landowners***. ID-155. Univ. of Kentucky, College of Agric. April 2005.
- Isaacs, Steve, Will Snell, Tracy Webb. ***Summary of Four 2005 Burley Tobacco Marketing Contracts***. AEC on-line publication. Agricultural Economics, Univ of Kentucky. Jan 2005.
- Ditsch, DC, JT Johns, SG Isaacs, TB Mark, and CD Lee. ***Grazing Corn: An Option for Extending the Grazing Season in Kentucky***. ID-152. May 2004.

Computer Decision Aids

- Trimble, Richard, Kenny Burdine, and Steve Isaacs. ***Improved Grass-Legume Hay Enterprise Budget Decision Aid***. December 2005.
- Burdine, Kenny, Richard Trimble, and Steve Isaacs. ***Hay Storage Decision Aid***. April 2005.
- Webb, Tracey, Daniel Green, and Steve Isaacs. ***2005 Expected Price Estimator, ver 1.5***. March 2005.

Journal Articles

- Isaacs, S.G., L.A. Powers, G.T Lineberry, and T. Scharf. ***Enhancing Cattle Handling Safety with the Work Crew Performance Model***. Journal of Agricultural Safety and Health 14(3): 261-271. 2008.
- Meyers, Melvin, Henry Cole, Joan Mazur, and Steve Isaacs. ***Economics and Safety: Understanding the cost of injuries and their prevention***. Professional Safety Journal of the American Society of Safety Engineers. Vol. 53, No. 4. Pp 37-45. April 2008.
- Stull, Jeremy, Carl Dillon, Scott Shearer, and Steve Isaacs. ***Using Precision Agriculture Technology for Economically Optimal Strategic Decisions: The Case of CRP Filter Strip Enrollment***. Journal of Sustainable Agriculture, Vol 24, Number 4, 2004.
- Ibendahl, Gregory, Steve Isaacs, and Richard Trimble. ***Financial Information Base of Participants in FSA Borrower Training***. Journal of Extension. Vol. 40, No. 5. October 2002.
- Cole, Henry P., Pamela S. Kidd, Steven G. Isaacs, Mark Parshall, and Ted Scharf. ***Difficult Decisions: A Simulation That Illustrates Cost Effectiveness of Farm Safety Behaviors***. Journal of Agromedicine. Vol. 4, Numbers 1/2. 1997.

Ani L. Katchova

Dr. Ani Katchova is an assistant professor in the department of Agricultural Economics at the University of Kentucky, specializing in industrial organization, agricultural finance, agribusiness management and marketing, and applied econometrics. Her research program focuses on the profitability and competitiveness of farm businesses. Specifically, she studies the financial performance and credit risk of farmers, particularly for beginning farmers. She also examines farmers' marketing competitiveness and contractual relationships with processors, cooperatives, and direct marketing of local foods. Her research has been published in journals such as the *American Journal of Agricultural Economics*, *Agricultural Finance Review*, and *Agribusiness*. Her research has been funded by over \$1 million in grants. She teaches an undergraduate course in agricultural financial management and a graduate course in applied econometrics. She currently serves as an associate editor of the *American Journal of Agricultural Economics* and was previously a chair of the NC1177 Agricultural Finance regional committee and a member of a National Academies panel. Dr. Katchova holds a Ph.D. from The Ohio State University and was a faculty member at the University of Illinois prior to joining the University of Kentucky.

Publications

- Katchova, A.L. "Agricultural Contracts and Alternative Marketing Options: A Matching Analysis." *Journal of Agricultural and Applied Economics* 42(2010):1-6.
- Katchova, A.L. "Agricultural Cooperatives and Contract Price Competitiveness." *Journal of Cooperatives* 24(2010):2-12.
- Paulson, N.D., A.L. Katchova, and S.H. Lence. "An Empirical Analysis of the Determinants of Marketing Contract Structures for Corn and Soybeans." *Journal of Agricultural and Food Industrial Organization* 8(2010), 4: 1-23.
- Durguner, S., and A. L. Katchova. "Repayment Capacity of Farmers: A Balanced Panel Data Approach." *Journal of Applied Economics and Policy*, in print.
- Durguner, S. and A.L. Katchova. "How the Measure of Creditworthiness Differ Among Livestock and Crop Farm Businesses?" *The Journal of American Academy of Business* 15(2010):307-312.
- Bayar, E., S. Saghaian, W.Hu, and A.L. Katchova. "Importance of Nutrition Labels and Serving Size Information in the Context of Overweight and Obesity." *Journal of Food Distribution Research* 40 (2009):15-21.
- Durguner, S., and A.L. Katchova. "Measure of Small Business Financial Performance from a Lender and a Borrower Perspective." *The Business Review* 13(2009):24-31.
- Zhao, J., P.J. Barry, and A.L. Katchova. "Signaling Credit Risk in Agriculture: Implications for Capital Structure Analysis." *Journal of Agricultural and Applied Economics* 40(2008):805-820.
- Katchova, A.L. "A Comparison of the Economic Well-Being of Farm and Nonfarm Households." *American Journal of Agricultural Economics* 90(2008):733-747.
- Hennings, E., and A.L. Katchova. "Growth Strategies of Farm Businesses: A Quantile Regression Approach." *The Journal of American Academy of Business* 13(2008):31-37.
- Katchova, A.L., M.J. Miranda, and C. Gonzalez-Vega. "A Dynamic Model of Individual and Group Lending in Developing Countries." *Agricultural Finance Review* 66(2006):251-267.
- Moss, C.B., and A.L. Katchova. "Farmland Valuation and Asset Performance." *Agricultural*

Finance Review 65(2005):119-130.

Katchova, A.L. "The Farm Diversification Discount." *American Journal of Agricultural Economics* 87(2005):984-994.

Phillips, J.M., and A.L. Katchova. "Mean Reversion and Autocorrelation in Profitability of Illinois Farms." *Agricultural Finance Review* 65(2005):87-96.

Katchova, A.L. "Factors Affecting Farm Credit Use." *Agricultural Finance Review* 65(2005):17-29.

Katchova, A.L., I.M. Sheldon, and M.J. Miranda. "A Dynamic Model of Oligopsony and Oligopoly in the Potato Processing Industry." *Agribusiness: An International Journal* 21(2005):409-428.

Katchova, A.L., and P.J. Barry. "The New Basel Capital Accord: Implications for U.S. Agricultural Lenders." *Choices* 20(2005):39-41.

Katchova, A.L., and A. Randall. "Welfare Analysis of the Chinese Grain Policy Reforms." *International Journal of Applied Economics* 2(2005):25-36.

Katchova, A.L., and P.J. Barry. "Credit Risk Models and Agricultural Lending." *American Journal of Agricultural Economics* 87(2005):194-205.

Katchova, A.L., and W.S. Chern. "Comparison of Quadratic Expenditure System and Almost Ideal Demand System Based on Empirical Data." *International Journal of Applied Economics* 1(2004):55-64.

Phillips, J.M., and A.L. Katchova. "Credit Score Migration Analysis of Farm Businesses: Conditioning on Business Cycles and Migration Trends." *Agricultural Finance Review* 64(2004):1-15. (senior authorship is shared)

Katchova, A.L., and M.J. Miranda. "Two-Step Econometric Estimation of Farm Characteristics Affecting Marketing Contracts Decisions." *American Journal of Agricultural Economics* 86(2004):88-102.

Grants (only current listed)

"Kentucky Agriculture in Transition: Ensuring Sustainability, Security, and Profitability." PI: A.L. Meyer, Co-PI: A.L. Katchova. Southern Region Risk Management Education Center, \$41,034, 2009-2010.

"A Common Field – A Whole Farm Management Education Program for Beginning Farmers." PI: A.L. Meyer, Co-PI: S. Isaacs, G. Halich, A. Katchova, and J. Hunter. USDA-CSREES, Beginning Farmer and Rancher Development Program, \$749,883, 2009-2011.

"Local Sourcing as a Differentiation and Recruitment Strategy for Food Consumer Cooperatives." PI: A.L. Katchova, Co-PI: T. Woods, USDA-Rural Development Cooperative Agreement, \$62,654, 2009-2011.

Leigh J. Maynard

Experience: **Professor**, Ag. Marketing, Dept. of Agricultural Economics, Univ. of Kentucky
July 2010 – present, 50% teaching / 50% research
Associate Professor, July 2004 – June 2010, 30% teaching / 70% research
Assistant Professor, June 1998 – June 2004, 30% teaching / 70% research
Visiting Professor, Department of Rural Economy, Univ. of Alberta
July 2006 – December 2006

Education: **Ph.D. and M.S., Agricultural Economics**, 1998, Pennsylvania State University
B.S. Marketing and Business Management, 1988, Cornell University

Refereed Journal Articles, 2004 - present : (senior author listed first)

- Maynard, L.J. and X. Wang. "Context-Dependent BSE Impacts on Canadian Fresh Beef Purchases." *Journal of Int'l. Food and Agribusiness Marketing*, 23,1(2011): forthcoming.
- Maynard, L.J. and K. Davidson. "Consumer-Level Determinants of Wine Purchases in Canadian Restaurants." *Journal of Wine Economics*, 4,1 (2009): 35-49.
- Maynard, L.J. and M. Mupandawana. "Tipping Behavior in Canadian Restaurants." *International Journal of Hospitality Management* 28 (2009): 597-603.
- Hu, W., G.W. Borden, T.R. Harris, and L.J. Maynard. "Do Job, Age, and Place of Residence Matter for Gaming Activity? A Study of the Mid-Colorado River Communities." *UNLV Gaming Research & Review Journal* 12 (2009): 29-42.
- Maynard, L.J., E. Goddard, and J. Conley. "Impact of BSE on Beef Purchases in Alberta and Ontario Quick-Serve Restaurants." *Canadian Journal of Agricultural Economics* 56 (2008): 337-351.
- Maynard, L.J. "Short-term Impact of a Voluntary Health Intervention on Overall vs. Preventive Health Care Consumption." *Int'l. Journal of Consumer Studies* 32,3(2008): 296-302.
- Maynard, L.J., S. Saghalian, and M. Nickoloff. "Buyer and Seller Responses to an Adverse Food Safety Event: The Case of Frozen Salmon in Alberta." *International Food and Agribusiness Management Review* 11,1(2008): 77-96.
- Maynard, L.J. and K.M. Stoeppel. "Hedonic Price Analysis of Thoroughbred Broodmares in Foal." *Journal of Agribusiness* 25,2 (Fall 2007): 181-196.
- Saghalian, S., L.J. Maynard, and M.R. Reed. "The Effects of E.Coli 0157:H7, FMD, and BSE on Japanese Retail Beef Prices: A Historical Decomposition." *Agribusiness: An International Journal* 23,1(Winter 2007): 131-147.
- Maynard, L.J., C. Wolf, and M. Gearhardt. "Can Futures and Options Markets Hold the Milk Price Safety Net? Policy Conflicts and Market Failures in Dairy Hedging." *Review of Agricultural Economics* 27(Summer 2005): 273-286.
- Veeramani, V.N, L.J. Maynard, and J.R. Skees. "Assessment Of The Risk Management Potential Of A Rainfall Based Insurance Index And Rainfall Options In Andhra Pradesh, India." *Indian Journal of Economics and Business* 4,1(June 2005): 195-208.
- Maynard, L.J., J.G. Hartell, A.L. Meyer, and J. Hao. "An Experimental Approach to Valuing New Differentiated Products." *Agricultural Economics*, 31(2004): 317-325.
[senior authorship shared with Hartell]

Currently Active Grants and External Funding:

- \$25,000 Maynard, L.J. "Alternative Dairy Policy Programs: Analysis of Risk Management and Margin Insurance." Cooperative research agreement 58-3000-0-0054, Economic Research Service, USDA, August, 2010 – December, 2011.
- \$4,000 Maynard, L.J. and C. Thompson. "Willingness-to-Pay for Locally Produced Milk and Cheese." Kentucky Milk Commission, May, 2010 – August, 2010.
- \$36,125 Maynard, L.J., W. Hu, and E. Goddard. "Willingness-to-Pay for Value-Added Canadian Beef Among U.S. Consumers." Consumer and Market Demand Agricultural Policy Research Network, April, 2010 – March, 2011.
- \$6,375 Goddard, E., L.J. Maynard, and W. Hu. "COOL and Canadian Beef: Do U.S. Consumers Care About Source Verified Beef?" Alberta Institute for American Studies, January, 2010 – May, 2011.
- \$10,000 Davis, A. and L.J. Maynard. "Evaluation of Health Programs and Treatment of Obesity." Univ. of Kentucky, Human Resources, January, 2010 – October, 2010.

Current Hatch and Regional Research Projects:

- Regional Research Project SERA015, "Competitiveness and Sustainability of the Southern Dairy Industry." Project approved through September, 2014, Joined October, 2009.
- Maynard, L.J. "Consumer Choice Regarding Food and Health." CRIS Project No. KY 004027, February 2007 – January 2012.

Other Evidence of Research Productivity:

- Books and Book Chapters: 2 Reports to Sponsors: 5
Proceedings Articles: 9 Non-Refereed Publications: 41
Professional and Invited Presentations: 76

Current Teaching Activity:

- Advanced Agricultural Marketing, AEC 606, Univ. of Kentucky
taught 12 times, 86 students, value of course 3.8/4.0, quality of teaching 3.9/4.0
- Agricultural Price Analysis, AEC 580-002, Univ. of Kentucky
taught 1 time, 9 students, value of course 3.5/4.0, quality of teaching 3.9/4.0
- Quantitative Methods and Price Analysis, AEC490, Univ. of Kentucky
taught 4 times, 43 students, value of course 3.4/4.0, quality of teaching 3.7/4.0

Teaching Awards:

- 2009 NACTA Teacher Fellow Award

Current Graduate Student Advising:

- Chair of 4 Ph.D. dissertation committees, member of 3
Chair of 2 M.S. thesis committees, member of 2

Current Undergraduate Student Advising:

- Academic advisor for 25-30 undergraduate students
Director of Undergraduate Studies, July 2010 –

A. Lee Meyer

Educational Background:

St. Joseph College (Indiana), B.S., Economics, 1975.
Purdue University, M.S., Agricultural Economics, 1977.
Purdue University, Ph.D., Agricultural Economics, 1980.

Position Description:

Extension has been my primary work area since I started at the U. of Kentucky in 1979. For most of my career, my emphasis has been livestock and meat marketing, but with a diverse range of other work, including farming systems work in Thailand and extension development in Poland. Since 2004, I have served as liaison between the USDA's Southern Region Sustainable Agriculture Research and Education (SARE) program and the land grant universities in the South. My current extension emphasis is on sustainable agriculture, focusing on direct marketing, farm transitions and beginning farmers. I also teach a course in international food issues and trade. I have served as major professor for five M.S. students.

Professional Experience:

EXTENSION PROFESSOR AND EXTENSION SPECIALIST, University of Kentucky, Dept. of Agricultural Economics, 1990 to present. (Started at UK in 1979 as an assistant professor.)

PROJECT ECONOMIST - Polish American Extension Project, (Warsaw, Poland) 1991-1992.

CHIEF AGRICULTURAL ECONOMIST with the Northeast Rainfed Agricultural Development Project (A USAID and Thai government joint agricultural development project) February, 1985 to June, 1986.

GRANTS RECEIVED - Responsible for bringing over \$1.1 million to the UK College of Agriculture as P.I., and collaborated on \$1.8 million of grant-funded activities)

USDA, CSREES, "A Common Field, A Whole Farm Management Project (aka: "KyFarmStart")" (Beginning Farmers and Rancher Grant), P.I., \$749,000, Oct. 1, 2009 – Sept. 31, 2012.

USDA Risk Management Education Center, So. Region, Annie's Project (Management Training for Farm Women), \$40,000 July, 2009 – June, 2010.

Governor's Office of Ag. Policy, Value-Added, Targeted Marketing" P.I., (in collaboration with John T. Johns) beginning May 1, 2004, \$352,000 over four-years, extended through 2010.

Southern SARE Program (USDA), "Liaison between the So. SARE Program and Land Grant Universities in the Southern Region," P.I., beginning June 1, 2004, \$347,000 over five years, renewable (on going agreement).

Awards, Leadership Roles and Honors

Whitaker Award - Outstanding Kentucky Extension Specialist, Association of Kentucky Extension Specialists, April, 2001.

Chair, (2000-2002), Livestock Marketing Information Center (a national consortium of 23 state Extension services, USDA and associate members).

Distinguished Extension Program Award from the Southern Agricultural Economics Association, 1999.

University Senate - Vice Chair of Senate Council (two terms) 1998 - 2000, Senator 2000 - 2001 American Agricultural Economics Association, Award for Professional Excellence - Distinguished Extension Program - Managing for Today's Cattle Market and Beyond, 1997.

Award for Outstanding Extension Program - KET Risk Management Telecourse, Association of Kentucky Extension Specialists, 1991 (the first distance learning program by the UK College of Agriculture)

Award for Outstanding Extension Program - AGTEXT, Association of Kentucky Extension Specialists, 1987

Selected Publications

Meyer, A. L., K. Burdine, J.T. Johns, J. Hunter, "Challenges on the use of Electronic Identification (EID) for tracking cattle in a segmented production system," Precision Livestock Farming '07, (Proceedings of the 3rd European Conference on Precision Livestock Farming), Skiathos, Greece; Wageningen Academic Publishers, June, 2007.

Saghalian, Sayed, Lee Meyer and Kenny Burdine "Beef Safety Shocks and Dynamics of Vertical Price Adjustment: The Case of BSE Discovery in the U.S. Beef Sector" (ID # 1150), presented at the International Food and Agribusiness Management Association 16th Annual Forum and Symposium Buenos Aires, Argentina - June 10-13, 2006

Maynard, L.J., J.G. Hartell, A.L. Meyer, and J. Hao. "An Experimental Approach to Valuing New Differentiated Products." **Agricultural Economics**, 31(2004): 317-325 (December 2004).

Maynard, Leigh J., Kenneth H. Burdine and A. Lee Meyer, "Market Potential for Locally Produced Meat Products," **Journal of Food Distribution Research**, 34 (2), July '03, pp. 26-37.

Dasgupta, Sid, Forrest Wynne (both of Ky. State U.), Angela Caporelli (Ky. Dept. of Ag.) and Lee Meyer, *Processing and Marketing Aquaculture Products on a Small Scale*, (a 95 page workbook, developed under a USDA/RMA grant), Ky. State University, 2004.

Presentations and Extension Publications

I have made 20 to 40 presentations per year as part of my professional activities, from talks to 13 farmers in a barn to presentations to large groups at professional presentations. And I have a long list of extension publications, from technical chapters in books ("the Kentucky Beef Book") to short popular press articles on changing meat prices.

Angelos Pagoulatos

Professor, University of KY, 1982-present
Coordinator, Center for International Training and Exchange, College of Agriculture, University of Kentucky, 1989-1992.

Adjunct Professor, Patterson School of Diplomacy, University of Kentucky
Co-Editor, Journal of Agricultural and Applied Economics, The Journal of the Southern Agricultural Economics Association, 1992-1995.

Co-Editor, Journal of Agricultural Economic Issues, 1995-2002

Associate Professor, University of KY, 1979-82

Assistant Professor, University of KY, 1975-79

Visiting Professor:

University of California, Berkeley, Dept. of Agri. and Res. Economics, 1985

University of Chicago, Dept. of Economics 1985

University of Athens, Greece, Dept. of Economics, 1988

Consultant:

Asian Development Bank, Evaluation of Bank's assistance for Monitoring and Evaluation of Agriculture and Socio-economic, Education and Health Projects, Philippines, Sri Lanka, Indonesia, Bangladesh, Pakistan, 1995-96.

World Bank, Economic Evaluation of Environmental Impacts at Kunda Nordic Cement Plant
Calculation of Environmental Health Benefits, Estonia, 1995.

USAID/Inter-American Institute for Cooperation on Agriculture, Monitoring and Evaluation of Socio-economic Impacts of the Coffee Based Cropping Systems Project, 1993, 1994 Haiti.

Specialization:

Natural Resource and Environmental Economics, Agricultural Project Investment Appraisal, Monitoring and Evaluation, Economic Development (Institutional and Feasibility Studies), Training Materials Development.

Laurea di Dottore, Business and Economics, University of Rome, Rome, Italy, 1968.

Ph.D., Economics, Iowa State University, 1975.

Facilitator Training Program. Training Resources Group, Washington, DC 1988.

Reviewer, Editorial Council: Several Journals

Thomas Poe Cooper Award for Outstanding Research in Agriculture, University of Kentucky.

Selected Publications

Mattas, K. and A. Pagoulatos, "Assessing Agriculture's Relative Importance in Terms of Output, Income and Employment." Best Papers: *Atlantic Economic Society*, Vol, 4, No. 2, July, 1994. pp. 148-153.

Pagoulatos, A., "Energy Imports by Developing Countries." Chapter 22, in *Global Oil Markets*, ed Siamack Shojai, Praeger Publishers, 1994.

Pagoulatos, A. and M. Blackwell, "Equipment Replacement in Agriculture: The Case of a 110-hp Tractor with Overhauling Option." *Review of Agricultural Economics* December, 1995, pp. 115-125.

- Hu, Dayuan, A. Pagoulatos and R. Ready, "An Economic Analysis of Wind Erosion Control in the Inner Mongolia Plateau, China." *Environmental and Resource Economics*, 6:1995. pp. 321-340.
- Hu, D., R. Ready and A. Pagoulatos, "Optimal Management of Wind-Erosive Rangelands With Consideration of Off-Site Effects." *American Journal of Agricultural Economics*, 1997.
- Pagoulatos, A., "Aggregate Estimate of Environmental Degradation for Zimbabwe: Does Sustainable National Income Ensure Sustainability?" in R. Ross, M. Bellamy and C. Tanner, eds., *Issues in Agricultural Competitiveness: Markets and Policies*, International Association of Agricultural Economists, Occasional Paper, 1997.
- Goetz, Stephan J., David L. Debertin and Angelos Pagoulatos, "Linkages Between Human Capital and the Environment: Implications for Sustainable Economic Development" in R. Ross, M. Bellamy and C. Tanner, eds., *Issues in Agricultural Competitiveness: Markets and Policies*, International Association of Agricultural Economists, Occasional Paper #7, 1997, pp. 336-43.
- Loizou, E., K. Mattas and A. Pagoulatos, "Macro-monetary Effects on Agricultural Prices: The Case of Greek Agriculture", *Applied Economics Letters*, 4, 1997, pp. 397-40.
- Goetz, Stephan J., David L. Debertin and Angelos Pagoulatos, "Human Capital Income, and Environmental Quality: A State-Level Analysis." *Agricultural and Resource Economics Review* 27:2, October, 1998.
- Rupasingha, A., S. Goetz, D. Debertin and A. Pagoulatos, "The Environmental Kuznetz Curve for U.S. Counties: A Spatial Econometric Analysis With Extensions", *Papers in Regional Science* , Vol. 83 No. 2 (April) 2004 pp.407-424.
- Pagoulatos, A., D. Debertin, S. Goetz and T. Johannson, "Interactions Between Economic Growth and Environmental Quality in U.S. Counties", *Growth and Change*, Vol 35, No 1 (Winter) 2004.
- Pagoulatos, A. and R. A. Fleming, "The Environmental Quality Incentives Program in Kentucky: Does It Address Environmental Quality Problems?", *Journal of Applied Economics and Policy*. 24(2005):33-61.
- Fleming, R. A., R. Johnson and A. Pagoulatos, "WTA for Consumptive and Non- consumptive Use Access to Private Lands When Affirmative Responses are Poisson Events", Proceedings of the W-1133, February 14 & 15, Salt Lake City, Utah, 2005.
<http://www.ext.nodak.edu/homepages/aedept/aemisc/Proceedings-W1133.pd>
- Blackwell, M., A. Pagoulatos, W. Hu and K. Aughter. "Recreational Demand for Equestrian Trail-Riding". *Agricultural and Resource Economics Review*. 38/2 (October 2009) 229-235.
- Liu, Z., R. Fleming, A. Pagoulatos and W. Hu. "The Supply of Private Acreage for Public Recreational Use in Southern and Central Appalachia". *Growth and Change*. Forthcoming. December, 2010.

Helen Pushkarskaya

GRANTS:

1. Pushkarskaya, H., E. Scorsone, L. Maynard, R. Fleming, D. Freshwater, and R. Hustedde. "Interdisciplinary Workshop on Rural Entrepreneurship." Research Activity Award, University of Kentucky, College of Agriculture. July 2004 - December 2004. **\$9,600**. PI.
2. Fleming, R., H. Pushkarskaya. "Assessing the Prospects for Rural Entrepreneurship" (survey). UK Research Grants Program. (rejected March 2005, resubmitted April 25, 2005, awarded May 16, 2005), **\$ 15,003**: UKRF (**\$9,352**), matched by College of Agriculture (**\$4,651**) and New Crop Opportunities (**\$1,000**), Co-PI.
3. Pushkarskaya, H. "Workshop on Decision-Making Under Uncertainty: Risk, Ambiguity and Sample Space Ignorance." Research Activity Award, University of Kentucky, College of Agriculture. July 2006 - December 2006. **\$4,000**. PI.
4. Pushkarskaya, H., "Strategic Interaction under ambiguity, Sample Space Ignorance and Conflict." Research Activity Award, University of Kentucky, College of Agriculture. January 2010 - June 2010. **\$5,000**. PI.
5. Max Planck Institute of Economics, Germany; Travel grant to attend Summer Institute on Entrepreneurship Research. **\$2500**, June 2005.
6. Max Planck Institute of Economics, Germany; Travel grant to give a seminar and meet with collaborators. **\$3000**, June 2006.
7. Pushkarskaya, H. Travel grant to attend an **IAREP/SABE 2008 Conference at LUISS** in Rome, Italy. Research Activity Award, University of Kentucky, College of Agriculture. **\$707** September 2008.
8. Pushkarskaya, H., Molzon, R., D. Vedenov, "Efforts toward Mathematical Literacy in the Profession: Development of the Web-based Modules "Mathematical Essentials for Agricultural Economists." USDA-CSREES HEC. **\$142,756**. July 2008-June 2010

PUBLICATIONS

Refereed Journal Articles:

1. Taylor, Michael A., Brent Sohngen, Alan Randall, and Helen Pushkarskaya. 2004. "Group Contracts for Voluntary Nonpoint Source Pollution Reductions: Evidence from Experimental Auctions," *American Journal of Agricultural Economics* 86, 5: 1196.
2. Pushkarskaya, Helen. 2008. "Gender Differences in Determinants of Entrepreneurial Intentions in a Rural Setting". *Innovative Marketing*, 4 (1): 103-113.
3. Marshall, Maria, and Helen Pushkarskaya. 2008. "An analysis of tobacco farmers' buyout expenditure choices." Forthcoming in the *Journal of Agribusiness* 26(2), 175-198.
4. Pushkarskaya, Helen and Dmitry Vedenov. 2009. "Farming Exit Decision by Age Group: Analysis of Tobacco Buyout Impact in Kentucky." *Journal of Agricultural and Applied Economics*, 41(3): 653-662
5. Pushkarskaya, Helen, and Maria Marshall. 2009. "Lump Sum versus Annuity: Choices of Kentucky Farmers During the Tobacco Buyout Program." *Journal of Agricultural and Applied Economics*, 41(3): 613-624.
6. Pushkarskaya, Helen and Ellen Usher. 2010. "Self-Efficacy for Resolving Environmental Uncertainties Distinguishes Nascent Entrepreneurs from Non Entrepreneurs in Rural Areas." *Journal of Extension*, 48(1).
7. Pushkarskaya, Helen and Dmitry Vedenov. 2010. "How Internet Penetration into Rural Communities Changes Demographics of Rural Entrepreneurs." *Innovative Marketing*, 6(1) :81-94
8. Pushkarskaya, H., X. Liu, M. Smithson, J. Joseph. 2010 "Beyond risk and ambiguity: Deciding under ignorance." Forthcoming in *Cognitive Affective and Behavioral Neuroscience*, 10(3).

9. Pushkarskaya, Helen, and Maria Marshall. 2010. "Family Structure, Policy Shocks, and Family Business Adjustment Choices." Forthcoming in the special issue of the *Journal of Family and Economic Issues*.

Books and Book Chapters:

1. Pushkarskaya, Helen, Michael Smithson, Xun Liu, and Jane E. Joseph. 2010. "Neuroeconomics of Environmental Uncertainty and the Theory of Firm." In *Neuroeconomics and the Firm*, Mellani Day, Angela Stanton, and Isabell Welppe (Eds.), *Edward Elgar Publishing, UK*.¹
2. Pushkarskaya Helen. 2010. "Nonpoint source water pollution control: incentives theory approach." VDM Publishing House, Germany.

Not Refereed Journal Articles:

1. Review of the book "Modern Developments in Behavioral Economics: Social Choice Perspectives on Choice and Decision Making" by John M. Dowling and Yap Chin-Fang. Forthcoming in AJAE 2010.

Conference Proceedings:

1. Marshall, M. and H. Pushkarskaya. "Will the Tobacco Buyout Program Lead to More New Businesses?" Accepted for presentation at the annual meeting of the United States Association for Small Business and Entrepreneurship, San Antonio, TX. January 10-13. 2008. USASBE Conference Proceedings.

Web publications:

1. Pushkarskaya Helen and Alan Randall. 2002. "Transaction Chain Approach to the Regulation of the Nonpoint Water Pollution from Farms-Runoff." 2002 Annual AAEA meeting, July 28-31, Long Beach, CA. Published at EgrEcon Search. Available at <http://econpapers.repec.org/>
2. Pushkarskaya, Helen, Hal Arkes. 2004. "Spite Effect and "Pseudo free-riding" in a Dominant Strategy Mechanism with Individual Payments Tied to Collective Performance and Heterogeneous Agents." Abstract published in the website of 2004 annual meeting of the Society for Judgment and Decision Making, Minneapolis MN. November 19-22, 2004
3. Pushkarskaya, Helen, Sharon Alvarez. 2005. "What Do We Think We Know When We Don't Know Much?" Fisher College of Business Working Paper No. 2006-01-001. Published online in the Fisher College of Business Working Paper Series.
4. Pushkarskaya, Helen, Hal Arkes, Jason Pieratt, Ibrahima Bamba. 2005. "Experimental Study of Effectiveness of Nonpoint Source Water Pollution Control Group Contract." Presented at the annual meetings of the American Agricultural Economics Association, Providence, RI. July 24-27, 2005. Published in AgrEcon Search. Available at <http://econpapers.repec.org/>
5. Pushkarskaya Helen. 2006. Schemes to Regulate Non-Point Water Pollution: Making Sense of Experimental Results. 2006 Annual AAEA meeting, July 23-26, Long Beach, CA. Available at <http://econpapers.repec.org/>

¹ The chapter was submitted in response to an open call for chapters; selected for publication among a few others by editors of the book.

Michael R. Reed

PERSONAL

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University of Kentucky
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FAX 323-1913
mrreed@uky.edu

EDUCATION

<u>College</u>	<u>Dates Attended</u>	<u>Degree</u>
Kansas State University Major Area: Economics	1971 - 74	B.S.
Iowa State University Major Area: Economics	1975 - 76	M.S.
Iowa State University Major Area: Economics Minor Area: Statistics	1976 - 79	Ph.D.

AREAS OF CONCENTRATION

- International Trade
- Statistics
- Agricultural Marketing
- Price Analysis

EXPERIENCE

1998 - present. Director, Office of International Programs for Agriculture (20%)

1989 - present. Professor of Agricultural Economics, University of Kentucky.

1997 - 2002, 2008 - present. Director of Graduate Studies, Department of Agricultural Economics.

1994 - 1998. Director, Office of International Affairs.

1988 - 1995. Executive Director, Center for Agricultural Export Development, University of Kentucky.

1991 - 1993. Director of Undergraduate Studies, Department of Agricultural Economics.

1983 - 1989. Associate Professor of Agricultural Economics, University of Kentucky.

1978 - 1983. Assistant Professor of Agricultural Economics, University of Kentucky.

HONORS

- President, Southern Agricultural Economics Association, 2010/11.
- Visiting Professor, China Agriculture University, April 2009.
- Doctor Honoris Causa (Honorary Ph.D). Bucharest University of Agricultural Sciences and Veterinary Medicine (Romania). 2007.
- Honorary Fellow, University of Craiova (Romania), 2007
- Marquis' Who's Who in America, various years (including 2010)

ACCOMPLISHMENTS

- 58 refereed journal articles
- Major or co-major professor to 31 Ph.D. and 24 MS students
- Principal investigator for grants totaling \$4.46 million
- Presented 20 invited papers at international locations
- Consultant to the following organizations: Chemonics International, USAID, The Economics Intelligence Unit, Schaffer Global Group, SECID, Sultan Qaboos University, Louisiana State University, US Department of Agriculture, CHF Incorporated, Marketing Horizons, and LG&E Energy.

Lynn Robbins

PERSONAL

Professor and Chairman
Department of Agricultural Economics
Room 427, Agr. Engineering Building #2
University of Kentucky
Lexington, KY 40546-0276

EDUCATION

Degrees Received:

<u>Institution</u>	<u>Degrees</u>	<u>Major</u>	<u>Date</u>
Michigan State Univ.	Ph.D.	Ag.Econ.	1975
Michigan State Univ.	M.A.	Econ.	1974
Western Michigan Univ.	M.B.A.	Mgmt.	1971
Michigan State	B.S.	Dairy Sc.	1968

AREAS OF CONCENTRATION

Departmental and College Administration
Community and Economic Development
International Programs Administration
Agricultural Business Marketing and Management
Organizational and Behavioral Management
Systems Science and Operations
Food and Agribusiness Retailing
Agribusiness Logistics

EXPERIENCE

1996-Present, **Professor and Chair**, Department of Agricultural Economics, University of Kentucky. Responsible for administering twenty three faculty, sixteen research or extension associates and area specialists plus support staff. The annual budget is in excess of \$2.7 million plus grants and contracts.

1989-1996, **Associate Dean and Director of Academic Programs**, College of Agriculture and Home Economics, New Mexico State University. The Associate Dean provides leadership for academic programs (1500 graduate and undergraduate students), develops program priorities, acquires and allocates resources, manages personnel (150 faculty, 40 Instructional FTE), and funds. Also, coordinates with the Graduate School on admissions and programs of study.

1993-1995, **Acting Head**, Department of Home Economics, New Mexico State University. Responsible for administering a department with twelve faculty, 460 undergraduate and 30 graduate students with a budget of approximately \$1.0 million. Hired one new clothing, textiles, and fashion merchandising faculty, Dr. Jane Hegland, Ph.D. University of Minnesota.

1992-1994, **Acting Director**, Hospitality and Tourism Service Program, New Mexico State University. Responsible for administering four faculty, 220 undergraduates and a quarter million dollar budget. Hired three new faculty, Deberah Brieter, Ph.D. University of South Carolina; Christine Clements, Ph.D. University of Minnesota; and Pat Moreo, EDB University of Nevada-Las Vegas.

1988-1992, **Director of International Programs**, College of Agriculture and Home Economics, New Mexico State University. Responsible for administering the college's \$200,000 international program support grant activities. Alternate trustee, Consortium for International Development.

1988-1989, **Acting Associate Dean and Director of Resident Instruction**.

1986-1989, **Professor and Head**, Department of Agricultural Economics and Agricultural Business, New Mexico State University. Responsible for administering a department with 16 faculty, 190 undergraduate and 60 graduate students with a budget of approximately \$1.2 million.

1985-1986, **Professor of Agricultural Economics, Agribusiness Marketing and Management**, University of Kentucky. Responsible for researching, teaching, and student advising in food distribution, cooperatives, logistics, operations research techniques, agribusiness marketing, and management.

1985-1986, **Director of Graduate Studies**, University of Kentucky. Responsible for coordinating Agricultural Economics Graduate Student recruiting, admissions, counseling and testing for a departmental program that had approximately 25 Ph.D., 35 M.S. students, and a budget of approximately \$200,000.

1980-1986, **Agribusiness M.S. Program Director**. Advised students about and developed sponsors for an M.S. internship program.

1979-1985, **Associate Professor**.

1975-1979, **Assistant Professor**.

1971-1975, **Research Assistant**. Department of Agricultural Economics, Michigan State University.

Sayed H. Saghaian
Associate Professor

Research Publications:

Saghaian, S. (2010). "The Impact of the Oil Sector on Commodity Prices: Correlation or Causation?" *Journal of Agricultural and Applied Economics*. 42, 2 (August): forthcoming.

Zhang, Q., M. Reed, and **S. Saghaian**. (2010) "The Impact of Multiple Volatilities on Import Demand for U.S. Commodities: The Case of Soybeans." *Agribusiness: An International Journal*, 26, 2, forthcoming.

Yang, Shang-Ho and **S. Saghaian**. (2010). "The Examination of the Foreign FMD on the Export Market: The Case of U.S. Meat Exports." *Journal of Food Distribution Research*, 41 (1): forthcoming.

Saghaian, S., J. Salim, and M. Reed. (2010). "Food Quality and Safety Standards: Impacts on World Food Trade." *Trade Policy*. Nova Science Publishers, Inc., Hauppauge, NY, forthcoming.

Davidson, K. A. and **S. Saghaian**. (2010). "Perceptions of Regulation and Trade Barriers: How Policy Impacts Agricultural Firms and Food Processors in the Decision to Export." *Journal of Food Distribution Research*, 41 (1): forthcoming.

Saghaian, S. L. Maynard, and M. Reed. (2009). "The Importance of Context in Determining Consumer Response to Food Safety Events: The Case of Mad Cow Disease Discovery in Canada, Japan, and the United States." In *Outsourcing, Teamwork, and Business Management*. Karl E. Carettas, Ed. Nova Science Publishers, Inc. Hauppauge, NY, 2nd quarter, 235-265.

Subrmaniam, V., **S. Saghaian**, L. Maynard, and M. Reed. (2009). "Sectoral Growth Interdependencies and the Role of Agriculture in Poland and Romania." *Journal of Food Distribution Research*, 40 (1): 165-173.

Bayar, E., **S. Saghaian**, W.Hu, and A. Katchova. (2009). "Importance of Nutritional Labels in the Food Industry for Ameliorating the Obesity Epidemic." *Journal of Food Distribution Research*, 40 (1): 15-21.

Salim, J., **S. Saghaian** and M. Reed. (2009). "Trade Effects of Phytosanitary Protocols: A U.S.-India Almond Trade." *Journal of Food Distribution Research*, 40 (1): 159-164.

Saghaian, S. and J. Shepherd. (2009). "Consumer Behavior, Trust of Information, and Risk Perception to Food Safety Events." In *Consumer Behavior*. Felix Saito, Ed. Nova Science Publishers, Inc., Hauppauge, NY, 1st quarter, 63-85.

Babool, A., M. Reed, **S. Saghaian**, and V. Subrmaniam. (2009). "Food Safety Standards and Export Competitiveness in the Processed Food Industries of Asia-Pacific Countries," *Journal of International Agricultural Trade and Development*, 5(1): 1-10.

National and International Conference Presentations:

Najarzadeh, R., M. Reed (presenter), and **S. Saghaian**. (2010). "Comparative Advantage in Saffron, the Red Gold." Selected poster, the American Agricultural Economics Association (AAEA) Annual Meetings, July 25-27, Denver, Colorado.

Falahi, M.A., **S. Saghaian** (presenter), and M. Reed. (2010). "Saffron Supply Response: A Panel Data Approach." Selected poster, the American Agricultural Economics Association (AAEA) Annual Meetings, July 25-27, Denver, Colorado.

Najarzadeh, R. (presenter), M. Reed, and **S. Saghaian**. (2010). "A Study of Iran's Comparative Advantage in Saffron." Selected paper, the 20th Annual World Forum & Symposium, International Food & Agribusiness Management Association (IAMA), June 19-22, Boston, Massachusetts.

Falahi, M.A., **S. Saghaian** (presenter), and M. Reed. (2010). "A Panel Data Analysis of Export Demand for Saffron. Selected poster, the 20th Annual World Forum & Symposium, International Food & Agribusiness Management Association (IAMA), June 19-22, Boston, Massachusetts.

Bayar, E. (presenter), **S. Saghaian**, W.Hu, and A. Katchova. (2010). "The Importance of Nutritional Label Usage in the Context of Obesity: A Cross-Country Study of the USA and Turkey." The annual meetings of Western Extension & Research Activities on Agribusiness, Project 72 (WERA-72), June 12-15, Santa Clara University, California.

Saghaian, S. (2010). "The Impact of the Oil Sector on Commodity Prices: Correlation or Causation?" *Invited Paper*, the Southern Association of Agricultural Economics (SAEA) Annual Meetings, February 6-9, Orlando, Florida.

Yang, Shang-Ho (presenter) and **S. Saghaian**. (2010). "The Impact of Foot-Mouth Disease Vaccination Policy in Importing Countries on U.S. Meat Exports." The Southern Association of Agricultural Economics (SAEA) Annual Meetings, February 6-9, Orlando, Florida.

Saghaian, S. (presenter) and M. Reed. (2009). "The Enhanced Role and Impact of the Energy Sector on Agricultural Products." The International Conference on Agripreneurship and Rural Development (ICARD-2009), December 5-6, FMS, Banaras Hindu University, Varanasi, India.

Firoozzare, A., N. Shahnoushi (presenter), **S. Saghaian**, and M. Jalerajabi. (2009). "Investigation of Effective Factors on Consumers' Bread Waste: The Case of Iran." The Annual Conference of the Food Distribution Research Society (FDRS), October 30-November 4, Broomfield, Colorado.

Yang, Shang-Ho (presenter) and **S. Saghaian**. (2009). "The Examination of the Foreign FMD on the Export Market: The Case of U.S. Meat Exports." The Annual Conference of the Food Distribution Research Society (FDRS), October 30-November 4, Broomfield, Colorado.

Davidson, K. A. (presenter) and **S. Saghaian**. (2009). "Perceptions of Regulation and Trade Barriers: How policy impacts agricultural firms and food processors in the decision to export." The Annual Conference of the Food Distribution Research Society (FDRS), October 30-November 4, Broomfield, Colorado.

Shahnoushi, N. (presenter), F. Hayatgheibi, M. Tabraeei, and **S. Saghaian**. (2009). "Estimation of Wheat Supply Response Model in Iran in the Framework of Rational and Adaptive Expectations." The Annual Conference of the Food Distribution Research Society (FDRS), October 30-November 4, Broomfield, Colorado.

Shahnoushi, N. (presenter), H. Taherpoor, and **S. Saghaian**. (2009). "The Analysis of Technical Efficiency of Agronomy and Horticulture sub sectors in Khorasan Razavi Province, Iran, Using Integrated Neural Network and Fuzzy Clustering Approach." The Annual Conference of the Food Distribution Research Society (FDRS), October 30-November 4, Broomfield, Colorado.

Saghaian, S. (presenter), K. Davidson, and M. Reed. (2009). "Promoting Agribusiness Trade in Value-added Products." The 19th Annual World Forum & Symposium, International Food & Agribusiness Management Association (IAMA), June 20-23, Budapest, Hungary.

Woods, T. (presenter), **S. Saghaian**, and L. Ono. (2009). "Will Higher Shipping Costs Drive US to Source More Localized Produce?" The annual meetings of Southern Agricultural Economics Association, January 31-February 3, Atlanta, Georgia.

Jack Schieffer

Assistant Professor

Dept. of Agricultural Economics, University of Kentucky
405 C.E. Barnhart Building, Lexington, KY 40546-0276
Telephone: (859) 257-7246, Email: jack.schieffer@uky.edu
<http://www.ca.uky.edu/agecon/index.php?p=752>

Research and Teaching Interests

Environmental and natural resource economics, land-use regulation and policy, applied contract theory, experimental economics, and law and economics.

Education

Ph.D.	Agricultural, Environmental, and Development Economics (AEDE), The Ohio State University	June 2009
M.A.	Economics, The Ohio State University	June 2005
M.B.A.	Southern Methodist University	June 1996
J.D.	University of Texas	June 1992
B.B.A.	Marketing, University of Texas	June 1989

Employment

Assistant Professor (60% research, 40% teaching)	Dept. of Agricultural Economics, University of Kentucky	2009-Present
Post-Doctoral Researcher	Center for Innovation-Based Enterprise, The Ohio State University	2009
Graduate Research Assistant, Graduate Teaching Assistant, Instructor	Dept. of AEDE, The Ohio State University	2005-2009, Fall 2008, Fall 2007

Honors and Awards

2010	Outstanding Dissertation Award, AEDE Dept., The Ohio State University
2008	Bernie Erven Outstanding Graduate Teaching Assistant Award, AEDE Dept., The Ohio State University
2007	Dissertation Proposal Summer Research Grant, Environmental Policy Initiative, The Ohio State University
2004	University Fellowship, The Ohio State University

Journal Articles

- Hu, Wuyang, Alison Davis, Linda J. Cox, and Jack Schieffer, 2010. "An Ex Post Attribute Preference Analysis as a Follow-up of Stated Preferences for Desert Management Strategies," *Annals of Leisure Research*, forthcoming.
- Schieffer, Jack and Steven Wu, 2006. "Private Mechanisms, Informal Incentives and Policy Intervention in Agricultural Contracts." *American Journal of Agricultural Economics* 88 (5): 1251-1257. (Proceedings issue)

Other Publications

- Woods, Tim, Jack Schieffer, and Marv Batte, 2009. “2009 Consumer Lawn and Garden Trends,” *Nursery Views* vol. 39(2): 20-21.
- Hitzhusen, Fred J., Nichole Yen, and Jack Schieffer, 2009. “Willingness to Pay for LID Environmental Benefits.” In Low Impact Development: New and Continuing Applications, ed. Michael Clar. American Society of Civil Engineers: Reston, VA, pp. 34-52.
- Hitzhusen, Fred J., Nichole Yen, and Jack Schieffer. “Mill Creek River Resource Economic Study.” A research report for a project administered by the Mill Creek Restoration Project and funded by the U.S. EPA. July 2007.

Classes Taught

- AEC 780 – *Special Problems in Natural Resource Economics*. Ph.D. course in environmental and natural resource economics.
- AEC 445G – *Introduction to Natural Resource and Environmental Economics*. Upper-division and graduate-level course in environmental and natural resource economics.
- AEC 424 – *Principles of Environmental Law*. Upper-division course in environmental law and policy.
- *Introduction to MATLAB* – Two-hour workshop for graduate students, developing basic skills with MATLAB software.

Professional Service and Affiliations

- Member, Agricultural and Applied Economics Association, 2006-Present
- Member, American Economic Association, 2007-Present
- Member, Association of Environmental and Resource Economists, 2010-Present
- Undergraduate Program Committee, Dept. of Agricultural Economics, 2009-Present
- NRCM Steering Committee, College of Agriculture, 2009-Present
- Precision Resource Management Committee, College of Agriculture, 2009-Present

Dr. Jerry R. Skees
H. B. Price Professor of Agricultural Policy and Risk

1981 Ph.D. Michigan State University

Select Honors and Awards

2007	University of Kentucky	<i>Alumni Association Great Teacher Award</i>
2006	World Bank	<i>Golden Plough Award for Innovation</i>
2005	University of Kentucky, College of Agriculture	<i>T.P. Cooper Outstanding Research Award</i>
1998	Southern Agricultural Economics Association	<i>Outstanding Teacher</i>
1993	American Agricultural Economics Association	<i>Quality of Communication Award</i>

Current Projects

2009–2012	Bill and Melinda Gates Foundation	<i>Innovation in Catastrophic Weather Insurance to Improve the Livelihoods of Rural Households in Peru</i>
2009–2011	UNDP	<i>Incorporating Weather Index Insurance with Territorial Approaches to Climate Change in Northern Peru</i>
2008–2011	Ford Foundation, Vietnam	<i>Developing Agricultural Insurance in Vietnam</i>
2001–2011	World Bank and the Government of Mongolia	<i>Index-based Livestock Insurance</i>

Teaching Program

AEC 626 Advanced Agriculture and Economic Development: Issues in Rural Development

This course focuses on the role of agriculture in development for less developed countries. The course incorporates a vast literature with the prime objective of helping students learn how *markets, government, and non-government entities can contribute to development and the alleviation of poverty* in less developed countries.

AEC 532 Agricultural and Food Policy

This course surveys a variety of current public policies that influence the agricultural and rural economies. Students are exposed to the conflicting views of those concerned with food and agricultural policy issues in an international economy. Economic principles are used to evaluate alternatives in terms of the general welfare of society.

Select Research Publications

Books

Hartell, J., H. Ibarra, J. R. Skees, and J. Syroka. *Risk Management in Agriculture for Natural Hazards*. Rome: ISMEA, 2006.

Browne, W. P., J. R. Skees, L. E. Swanson, P. Thompson, and L. Unnevehr. *Sacred Cows and Hot Potatoes: Agrarian Myths and Agricultural Policy*. Boulder: Westview Press, 1992.

Articles in Refereed Scientific Journals

Hao, J., A. Bathke, J. R. Skees, and H. Dai. "Weather Risks, Ratemaking, and Modeling the Tail." *International Journal of Ecological Economics and Statistics* 20(2011): 51–68.

- Collier, B., J. R. Skees, and B. J. Barnett. "Weather Index Insurance and Climate Change: Opportunities and Challenges in Lower Income Countries." *The Geneva Papers on Risk and Insurance* 34(2009): 401–424.
- Barnett, B. J., C. B. Barrett, and J. R. Skees. "Poverty Traps and Index-based Risk Transfer Products." *World Development* 36(2008): 1766–1785.
- Leiva, A. J., and J. R. Skees. "Using Irrigation Insurance to Improve Water Usage in the Rio Mayo System of Northwest Mexico." *World Development* 36(2008): 2663–2678.
- Skees, J. R. "Innovations in Index Insurance for the Poor in Lower Income Countries." *Agricultural and Resource Economics Review* 37(2008): 1–15.
- Skees, J. R. "Challenges for Use of Index-based Weather Insurance in Lower Income Countries." *Agricultural Finance Review* 68(2008): 197–217.
- Skees, J. R., B. J. Barnett, and A. G. Murphy. "Creating Insurance Markets for Natural Disaster Risk in Lower Income Countries: The Potential Role for Securitization." *Agricultural Finance Review* 68(2008): 151–167.
- Khalil, A. F., H. H. Kwon, U. Lall, M. J. Miranda, and J. R. Skees. "El Niño Southern Oscillation-based Index Insurance for Floods: Statistical Risk Analyses and Application to Peru." *Water Resources Research* 43(2007); W10416, doi:10.1029/2006WR005281.
- Skees, J. R., J. Hartell, and A. Murphy. "Using Index-based Risk Transfer Products to Facilitate Micro Lending in Peru and Vietnam." *American Journal of Agricultural Economics* 89(2007): 1255–1261.
- Ibarra, H., and J. R. Skees. "Innovation in Risk Transfer for Natural Hazards Impacting Agriculture." *Environmental Hazards* 7(2007): 62–69.
- Skees, J. R., and B. J. Barnett. "Enhancing Micro Finance Using Index-based Risk Transfer Products." *Agricultural Finance Review* 66(2006): 235–250.
- Barnett, B. J., J. R. Black, Y. Hu, and J. R. Skees. "Is Area Yield Insurance Competitive with Farm Yield Insurance?" *Journal of Agricultural and Resource Economics* 30(2005): 285–301.

Other Recent Publications

- Skees, J. R., J. Hartell, A. G. Murphy, and B. Collier. *Developing Agricultural Insurance in Vietnam: Four Educational Handbooks*. Hanoi: AgroInfo, 2009.
- Agrawala, S., F. Crick, S. Fankhauser, D. Hanrahan, S. Jetté-Nantel, G. Pope, J. R. Skees, C. Stephens, A. Tepes, S. Yasmine. *Economic Aspects of Adaptation to Climate Change: Costs, Benefits, and Policy Instruments*. Paris: OECD Publishing, 2008.
- Gramig, B. M., B. J. Barnett, J. R. Skees, and J. R. Black. "Incentive Compatibility in Risk Management of Contagious Livestock Diseases." *The Economics of Livestock Disease Insurance: Concepts, Issues, and International Case Studies*. S. R. Koontz, D. L. Hoag, D. D. Thilmany, J. W. Green, and J. L. Grannis, eds. Wallingford, Oxfordshire, and Cambridge MA: CABI Publishing, 2006.
- Hazell, P. B. R., and J. R. Skees. "Insuring Against Bad Weather: Recent Thinking." *India in a Globalising World: Some Aspects of Macroeconomy, Agriculture, and Poverty*. R. Radhakrishna, S. K. Rao, S. Mahendra Dev, and K. Subbarao, eds. New Delhi: Academic Foundation, and Hyderabad: Centre for Economic and Social Studies, 2006.
- Skees, J. R., P. Varangis, D. Larson, and P. Siegel. "Can Financial Markets Be Tapped to Help Poor People Cope with Weather Risks?" *Insurance against Poverty*. S. Dercon, ed. Oxford: UNU-WIDER Studies in Development Economics, Oxford University Press, 2005.

William M. Snell

Education

Ph.D., Agricultural Economics, University of Kentucky, 1989
M.S., Agricultural Economics, University of Kentucky, 1985
B.S., Agriculture/Economics, University of Kentucky, 1983

Professional Experience

Extension Professor, Dept. of Agricultural Economics, Univ. of Kentucky, 1999 – present,
Associate Extension Professor, Dept. of Agricultural Economics, Univ. of Kentucky, 1994 -1999.
Assistant Extension Professor, Dept. of Agricultural Economics, Univ. of Kentucky, 1989-1994.

Current Appointment: Extension: 80% Teaching: 20%

Current Position: Extension program focuses on agricultural policy, tobacco economics, and the overall Kentucky farm economy. I also serve as the co-director of the Kentucky Agricultural Leadership Program and teach an undergraduate class in food and agricultural marketing.

Awards/Honors:

Governor's Office of Agricultural Policy's Innovation in Agriculture Award for KALP, 2009
Best Journal Article (2nd) in *Essays in Economic and Business History*, coauthor G. Mathis, 2007
American Agricultural Economics Association Outstanding Extension Program Award, 2006
KY Extension Specialists Award for Outstanding Project for 2005 (Tobacco Buyout), 2006
Southern Agricultural Economics Association Outstanding Extension Program Award, 2006
KY Extension Specialists Award for Outstanding Project, 2002 Farm Bill Education, 2003.
Tobacco Merchants Association Award for Tobacco Economics, 2002
Kentucky Association of State Extension Professionals Outstanding Program Award, 2002
Southern Agricultural Economics Association Outstanding Extension Program Award, 2001
M.D. Whiteker Award for Excellence in Cooperative Extension Service Award, 2000
Outstanding New Specialist Award, Association of Kentucky Extension Specialists, 1993

Invited Testimonies: United States Senate (1), United States House of Representatives (6),
Kentucky General Assembly (25), President Clinton's Commission on Improving Economic
Opportunity in Communities Dependent on Tobacco Production While Protecting Public Health

Invited Presentations: Governor's Agricultural Summit, Southern Legislative Conference,
Burley Tobacco Growers Association, Burley Stabilization, Burley Farmers Advisory Council,
Council for Burley Tobacco, Tobacco Merchants Association, Leaf Tobacco Exporters
Association, Bright Belt Warehouse Association Annual Convention, Burley Marketing
Association Annual Meeting, Burley and Dark Leaf Tobacco Export Association Conference,
Burley Leaf Export Dealers Association Annual Meeting, North Carolina Tobacco Growers
Association, Ohio Tobacco Growers Association, USDA Outlook Forum, USDA Tobacco Quota
Buyout Impacts Workshop, International Tobacco Growers Association, , Kentucky Farm Bureau
Annual Convention, Agribusiness Association of KY, U.S. Tobacco Forum, Tobacco Workers
Conference, American Agricultural Economics Association, Southern Agricultural Economics
Association, Southern Agricultural Outlook Conference, Kentucky Farm Business Managers and
Rural Real Estate Appraisers, Soil Conservation Districts of KY Annual Meeting

External Funding Received

“Kentucky Agricultural Leadership Program.” Kentucky Agricultural Development Board, (Co-PI along with Drs. Larry Jones and Steve Isaacs), November 2008, **\$1,000,000.**

“Kentucky Agricultural Leadership Program.” Donations from various ag businesses, farm organizations, alumni, and other supporters (along with Dr. Steve Isaacs), **\$650,000**

“Financial Management Education, Decision Tools and Cost of Production Analysis, Philip Morris International, January 2010, **\$29,000**

“Financial Management Education, Decision Tools and Cost of Production Analysis, Philip Morris International, January 2009, **\$30,500**

“Improving Competitiveness in the Global Tobacco Market through Information Channels and Decision-making Tools.” Tobacco Education and Research Council, Inc. (TERC) ,**\$75,964 (50% UK, 50% UT)**

“Financial Management and Labor Education.” Burley Tobacco Growers Cooperative Association, September 2007, **\$55,000**

“Strategic Management.” Kentucky Agricultural Leadership Program, Awarded by Philip Morris USA, (along with Drs. Larry Jones and Steve Isaacs), June 2007, **\$50,000**

“Kentucky Agricultural Leadership Program.” Kentucky Agricultural Development Board, (along with Drs. Larry Jones and Steve Isaacs), July 2006, **\$143,680**

“Comprehensive National Tobacco Buyout Website: www.TobaccoBuyoutInfo.com, ” Howrey, Simon, Arnold & White, Trustee for Tobacco Growers Lawsuit Settlement (Co-PI with Drs. Kelly Tiller (UT), and Blake Brown (NCSU), Dec., 2004, **\$7,470.**

"Long Run Impacts of the Tobacco Improvement Act of 1985." Funded by The Council For Burley Tobacco/Burley Tobacco Grower's Cooperative Association, 1989-1991, **\$225,000.**

Other miscellaneous “mini” grants exceeding **\$100,000** since 1989

Other Professional Highlights

Co-Director of the Kentucky Agricultural Leadership Program, 2007- present
Staff Working Group/Committee Member of Task Force on the Future of KY Agr. 2007 – present
Co-Keynote Speaker for Governor’s Ag Summit, 2007
General Chairman of the 38th Tobacco Workers Conference, January 1998.
Tobacco Buyout Extension Programming, 1998-2005
Member of U.S. Tobacco Advisory Committee (Congressional-Appointed Committee), 1994.
Member of the Bluegrass Agricultural Tour Planning, 1990-2005.
Extension Coordinator for UK Ag Economics Department 2000-2004
300+ extension publications/articles and over 900 extension presentations, 1989-2010

C. JILL STOWE
Department of Agricultural Economics
University of Kentucky

Phone: (859)257-7256
Fax: (859)323-1913
E-mail: jill.stowe@uky.edu

Education: B.S. *summa cum laude*, Mathematics, Texas Tech University, 1997
Ph.D., Economics, Texas A&M University, May 2002

Employment:

July 2008 - present: Assistant Professor, Department of Agricultural Economics,
University of Kentucky (joint appointment with Department of Economics)
July 2002 - June 2008: Assistant Professor, The Fuqua School of Business, Duke University

Areas of Interest:

Decision making under risk and ambiguity, other-regarding behavior, game theory,
neuroeconomics, optimal contracting, sports economics, equine economics

Teaching Experience:

University of Kentucky

AEC 503, Price Theory and Applications, 2008, 2009
AEC 302, Agricultural Management Principles, Spring & Fall 2009
AEC 320, Agricultural Product Marketing and Sales, 2009, 2010
GEN 302, International Experience in Agriculture and Natural
Resources: England Equine Industry, Spring 2009

Fuqua School of Business, Duke University

Decision 311 (Daytime), Probability and Statistics, 2002 – 2005
Decision 311 (Weekend Executive), Probability and Statistics, 2004, 2007, 2008

Refereeing: *American Economic Review*, *Economic Inquiry*, *Journal of Economic Behavior and Organization*, *Managerial and Decision Economics*, *Journal of Agricultural Finance*

Recent Publications:

Stowe, C. Jill and Billy Ajello. (2010) "A Hedonic Price Analysis of Differentiated Products of Unknown Quality: Freshman Sire Stud Fees in the Thoroughbred Breeding Industry." Forthcoming in *Journal of Agribusiness*.

Stowe, C. Jill and Scott Gilpatric. (2010) "Cheating and Enforcement in Asymmetric Tournaments." *Southern Economic Journal* 77(1), 1-14.

Neilson, William and Jill Stowe. (2010) "Piece-Rate Contracts for Other-Regarding Workers." *Economic Inquiry* 48(3), 575-586.

Stowe, C. Jill, Janie M. Chermak, and Kate Krause. (2010). "Preferences for Privacy and Security: An Experimental Investigation." *Economics of Peace and Security Journal* 5(1), 26-33.

Stowe, C. Jill. (2009). "Incorporating Morale into a Classical Agency Model: Incentives, Effort, and Organization." *Economics of Governance* 10, 147-164.

Other Reviewed Publications:

Stowe, C. Jill. (2010) "The Value of Horses to Kentucky's Economy." *Equine Disease Quarterly* 19(1), 5.

Stowe, C. Jill and Kenny Burdine. (2009) "Understanding the Impact of Horse Shows and Competitions in Kentucky." Agricultural Economics Extension Series 2009-29.

Grants and Awards:

2009 – "An Economic Feasibility and Impact Study of Alternative Gaming and Kentucky's Thoroughbred Racing Industry," Equine Drug Research Council. Principal Investigator: Dr. C. Jill Stowe; Co-Investigators: Dr. Alison F. Davis and Dr. Wuyang Hu. \$70,170 for 2 years (not awarded).

Service Activities:

University of Kentucky

Equine Initiative Executive Committee, Dec. 2009 – present

Equine Science and Management Steering Committee, 2009-2010

Graduate Program Committee, July 2008 – present

PhD committee member for Kimberly Brown (Agricultural Economics)

PhD committee member for Emily Plant (Marketing)

MS committee member for Sydney Hughes (Veterinary Science)

Richard Trimble
Extension Professor
Department of Agricultural Economics
University of Kentucky
West Kentucky Research and Education Center
P.O. Box 469
Princeton, Kentucky 42445

EDUCATION

<u>University</u>	<u>Years Attended</u>	<u>Major</u>	<u>Degree</u>
University of Missouri	1964-68	Agricultural Economics	B.S.
University of Illinois	1968-70	Agricultural Economics	M.S.
Michigan State Univ.	1970-73	Agricultural Economics	Ph.D.

PROFESSIONAL EXPERIENCE

July, 1998 - Present

Extension Professor in Agricultural Economics and Extension Specialist in Farm Management, University of Kentucky, stationed at the University of Kentucky Research and Education Center in Princeton, Kentucky. This position is a 100% Extension appointment with major responsibilities for leadership in developing, conducting, and evaluating educational programs in the subject matter areas of farm management, production economics, farm financial management and the application of computerized farm management decision aids.

July 1990 - June 1998

Associate Extension Professor in Agricultural Economics and Extension Specialist in Farm Management, University of Kentucky.

January, 1985 - June, 1990

Assistant Extension Professor in Agricultural Economics and Extension Specialist in Farm Management, University of Kentucky.

January, 1976 - December, 1984

Economist-Management, Texas Agricultural Extension Service. This appointment was a non-tenure track, 100% Extension position. Responsibilities included developing and conducting educational programs in the subject matter areas of farm and ranch management, financial management and computerized farm and ranch management decision aids.

March 1978-March 1980

Acting Project Leader in Farm Management, Texas Agricultural Extension Service. During this period responsibilities also included the coordination of Extension Farm Management Educational programs and activities of 18 Extension Farm Management staff members.

July 1973-December 1975

Assistant Professor, School of Agricultural Economics and Extension Education, University of Guelph. This position was a teaching and research appointment. Teaching duties included three financial management courses, an undergraduate mathematical economics course and being part of a team that taught a graduate course in managerial decision making. Research projects included the development of a computerized model to analyze the potential for investing in Registered Retirement Saving Plans and the development of information on sources of agricultural credit in Ontario.

March 1970-June 1973

Graduate Research Assistant, Michigan State University

June 1968-February 1970

Graduate Research Assistant, University of Illinois

Cory Walters

Assistant Extension Professor Department of Agricultural Economics

Current Appointment

Assistant Extension Professor, Department of Agricultural Economics, University of Kentucky, September 2008 to date. Current appointment is 90 % Extension and 10 % Teaching

Education

Ph. D., Economics, Washington State University, 2008
M. A., Agricultural Economics, Washington State University, 2003
B.S., Agricultural Business, Montana State University, 2002

Cooperative Extension

My marketing extension program continues to build in size and scope. My extension program has focused on educating grain producers on private and public risk management tools. Risk management education is founded on integrating the use of futures and options with crop insurance and government price support programs. Integrating all these topics leads to producers making more informed and financially healthier decisions. Outcomes lead to better understanding of individual perceived risks, individual programs and linkages between programs. Education has been provided through agent training, producer workshops, educational materials, and an online blog.

County Agent In-Service Training

Average Crop Revenue Election (ACRE) Training. Co- organized eight ACRE educational workshops throughout the state during the spring of 2010 with Greg Halich.

Grain Marketing Workshops. Offered to agricultural growers emphasizing all aspects of grain marketing from futures, options, basis, ACRE, crop insurance during the winter of 2010.

Basis of Crop Insurance. Training was offered to western KY agents to educate them on the importance of risk management.

Research

I am researching topics that enhance my effectiveness as a grain marketing specialist. My research focuses on issues surrounding government provided crop insurance and the potential success of different marketing strategies.

Working Papers

Walters, C.G., H. Chouinard, and P. Wandschneider. "Role of the Selling Agent: Evidence from Federal Crop Insurance"

Walters, C.G., C.R. Shumway, H. Chouinard, and P. Wandschneider. "Information and Opportunistic Behavior in Federal Crop Insurance Programs"

Walters, C.G., C.R. Shumway, H. Chouinard, and P. Wandschneider. "Crop Insurance, Land Allocation, and the Environment" Submitted to American Journal of Agricultural Economics

Walters, C.G., C.R. Shumway, D. Huggins, and P. Wandschneider. "Economic Effects on Producers from Reducing Nitrogen Pollution in Wheat Production"

Walters, C.G., D. L. Young, and F. L. Young. "Economics of Alternative Control Practices for Jointed Goatgrass in Winter Wheat in the Pacific Northwest"

Grants

"Integrating ACRE and Crop Insurance: A Comprehensive Risk Management Strategy." Southern Region Risk Management Education Center. Amount \$11,157 with Greg Halich, 7/2009-12/2010.

"2008 Farm Bill Training" Southern Region Risk Management Education Center. Amount \$1,000, 1/2009-6/2009.

Extension Publications

College Series

Allgood, C., L., Maynard, C.G. Walters. "Introduction to Futures Hedging for Grain Producers". University of Kentucky, AEC -96

Agricultural Economics Series

Walters, C.G. "The ACRE Program for Corn and Soybeans" UK Agricultural Economics Departmental Number 2009-10.

Walters, C.G. "How to Use the University of Kentucky ACRE Calculator" UK Agricultural Economics Departmental Number 2009- 24.

Walters, C.G. "Average Crop Revenue Election Program Description with an Example" UK Agricultural Economics Departmental Number 2009-25.

Walters, C.G. "Understanding Crop Insurance: What Every Producer in Kentucky Needs to Know" UK Agricultural Economics Departmental Number 2009-26.

Other

Conrad, E., B. Peters, and C. G. Walters. "ACRE Program." Farm Analysis Group, Volume 9, Issue 1

Walters, C.G. "University of Kentucky ACRE Calculator"

Professional Service

State and National Committee Board Appointments

Trade Adjustment Assistance, Representative from University of Kentucky

Vice-president, Marketing Committee, Southern Extension Economics Association, 2010 to present

Secretary, Marketing Committee, Southern Extension Economics Association, 2009 to 2010

Member, Kentucky Farm Bureau Feed Grain Advisory Committee, 2008 to present

Member, Kentucky Farm Bureau Soybean Advisory Committee, 2008 to present

Treasurer, Kentucky Association of State Extension Professionals, 2009 to present

Member, Kentucky Wheat Science Group, 2009 to present

Lionel Williamson

Extension Professor and Assistant Dean for Diversity

Educational Background

University of Missouri, Ph.D., Agricultural Economics, 1977.
University of Missouri, M.S., Agricultural Economics, 1974.
Alcorn State University, B.S., Agricultural Education, 1967.
Piney Woods Junior College (Mississippi) Associate: Liberal Arts and Science, 1964

Membership in Professional Societies:

American Agricultural Economics Association
Southern Agricultural Economics Association
Association of Cooperative Education
National Association of Colleges and Teachers of Agriculture
National Economics Association
Gamma Sigma Delta
Association of Kentucky Extension Specialists
Council for Agricultural Science & Technology

Recent Professional Recognition:

Appointed member of the Senate Advisory Privilege and Tenure Committee 1996-97.
Chairman of Faculty Senate Ad Hoc Committee on Minorities, 1994-95 and 1995-96.
Chairman of the Chancellor's Area Tenure and Promotion Advisory Committee for the Extension Title Series 1994-95.
Member of College of Agriculture's Diversity Committee 1995-present.
Selected by the National Science Foundation to review proposals submitted to the Foundation's Undergraduate Course and Curriculum Development Program (UCC).
Elected by the Board of Directors of the National Council of Farmer Cooperatives (NCFC) to serve on its Education Committee.

Experience

Assistant Dean for Diversity and Extension Professor, University of Kentucky, College of Agriculture, September, 7 yrs
Extension Professor, University of Kentucky, Department of Agricultural Economics, 21 yrs.
Extension Coordinator, University of Kentucky, Department of Agricultural Economics, 4 yrs.
Assistant Extension Professor and Extension Specialist, University of Kentucky, Department of Agricultural Economics, 4 yrs.
Research Director of Agricultural Research Program at Kentucky State University, 3 yrs.
Assistant Extension Administrator, for Cooperative Extension Programs at Kentucky State University, 1 yr.
Extension Specialist and Program Leader of Agricultural Extension Programs, NC A & T State University, 4 yrs.
Research Assistant, Department of Agricultural Economics, University of Missouri-Columbia, 5 yrs.
Vocational Agricultural Education Teacher, Mississippi Public Schools, 7 yrs.

INTERNATIONAL EXPERIENCE

Tanzania, West Africa - member of a team of three economists under the auspices of a 211(d) Rural Development Grant, conducted visits to Tanzania. During our initial trip we were able to obtain a long-term project with the Ministry of Agriculture, University officials at Dar es Salaam and the USAID Mission. The second short-term assignment included conducting surveys of 1,500 farmers in thirty-four villages. The objective of the project was to determine the feasibility of farmers in the Central Zone of Tanzania, supplying food and supplies assuming that the Capital were to be moved from Dares Salaam to Dodoma, 1980-81. This research resulted in two major papers and a long-term faculty and student exchange program.

Jakarta, Indonesia - worked with faculty members from the University of Kentucky, College of Agriculture, Virginia Tech University, and Indonesian faculty affiliated with the Western Universities Agricultural Education Project in developing an advanced agribusiness management course for use in the university system. Conducted a series of management audits of Agribusiness Cooperatives resulting in seven papers, three master case studies and thirty-six problem sets. These materials are currently being used by the above universities in "Advanced Agri-Business Short Courses."

ADMINISTRATIVE EXPERIENCE

Assistant Dean for Diversity responsible for providing College-wide leadership for diversity programs. This includes identifying program and personnel deficits and recommending strategies for addressing those deficits.

Research Director of Agricultural Research Program at Kentucky State University. Chief Administrative Officer, administering the 1890 Land-Grant Research Program. Developed and implemented research programs in aquaculture, rural development, plant and soil science and human nutrition health and home economics. Managed a professional and support staff of 55 individuals with an annual program budget of \$1.6 million and a facility construction budget of \$3.7 million. Worked in conjunction with administrators in USDA-CRS; The University of Kentucky, College of Agriculture; and other 1890 Land-Grant Research Programs in jointly developing, implementing, reviewing and revising research programs and projects. Administrative advisor of regional project RR-2, "The Status of Small Farms in the Southern Region".

Assistant Extension Administrator for 1890 Extension Programs at Kentucky State University. Worked with the Extension Administration at USDA-CES, The Kentucky State University, the University of Kentucky and other 1890 Land-Grant Institutions. Provided leadership for extension programs at the county, area and state level. Primary responsibilities were in the areas of need assessment, program formulation, development, staffing, program implementation, evaluation and accountability.

Extension Specialist and Program Coordinator for Agricultural Extension Programs - with the Agricultural Extension Program at North Carolina A & T State University, Greensboro, North Carolina. Provided leadership to Extension Specialists and agricultural Technicians with responsibilities for Small Farm Extension Programs. Co-chairman of the North Carolina Direct Marketing Project.

Awards and Honors

Received the Award for "Outstanding Extension Program Award" from the Association of Kentucky Extension Specialists. 1991.

Selected by the "American Agricultural Economics Association" as one of 15 Outstanding Black Agricultural Economists for the period 1980 - 1990. For accomplishments in teaching, research and service. 1990.

Gamma Sigma Delta Honorary Fraternity of Agriculture, 1987.

Timothy A. Woods
402 Charles E. Barnhart Building
Department of Agricultural Economics
University of Kentucky
Lexington, Kentucky 40546

RECENT APPOINTMENT HISTORY

Extension Professor, Department of Agricultural Economics, University of Kentucky, July 2007 to date.
Associate Extension Professor, Dept. of Agricultural Economics, Univ. of Kentucky, July 2001 to July 2007.
Visiting Professor, East European University of Economics and Management, Cherkassy, Ukraine, August, 2004-July 2005
Staff Economist, Kentucky Governor=s Office of Agricultural Policy, September 2000 to October 2001.
Asst Extension Professor, Dept. of Agricultural Economics, Univ. of Kentucky, August 1995 to July 2001.
Research and Teaching Assistant, Dept. of Agricultural Economics, Michigan State University, 1990-1995.
Research Associate, Department of Agricultural and Resource Economics, University of Maine, 1988-1990.

EDUCATION

Michigan State University, PhD Agricultural Economics, 1996
Texas A&M University, M.S. Agricultural Economics, 1988
Purdue University, B.S. Agricultural Economics, 1985

PROGRAM HIGHLIGHTS

The current appointment involves 80% Extension and 20% Resident Instruction. The Extension program emphasis area is agribusiness management and marketing with special emphasis on horticulture, coop development, and farm entrepreneurship. The major outlets for my Extension work are the New Crop Opportunity Center and recently created Food Systems Innovation Center. Market development work is provided to Kentucky through the assistance of the KY Horticulture Council. MarketReady is a new curriculum developed for producers seeking to sell to restaurants, grocery, and/or wholesalers. This was developed as part of a broader effort to support the growth in marketing of local foods to local markets.

GRANTS AND CONTRACTS FUNDED

Various projects on cooperatives, marketing, industry development, small farm entrepreneurship, horticulture and aquaculture marketing, marketing infrastructure, and food safety have been funded at substantial levels during the work at the University of Kentucky. Over \$2 million in funding has been provided to these projects for which I was either a principal or co-principal investigator.

RECENT GRANTS AND CONTRACTS FUNDED

- X Pomper, Kirk (PI), Crabtree, Lowe, Bomford, Simon, **Woods**, Perry, Strang and Cottrell, "*A Mobile Kitchen for Fruit and Vegetable Processing Training and Extension Initiatives for Pawpaw and Sorghum Syrup*", USDA Capacity Building Grant, 2010-2013, \$300,000 with **\$32,330** apportioned to UK for marketing research.
- X **Woods, Timothy (PI)**, "*Commercial Market Readiness Education for Kentucky Farmers and Southeastern States*", USDA Risk Management Agency, 2010-2011, **\$47,432**
- X **Woods, Timothy (PI)**, "*Strategies and Impact measures of Sampling for Direct Markets*", USDA Federal State Market Improvement Program, Ag Marketing Service, 2010-2011, **\$38,549**
- X **Woods, Timothy (PI)**, Wuyang Hu, John Strang, Tim Coolong, and Doug Archbold, "*Marketing Nutrition for Kentucky Produce*", **New Crop Opportunity Center Research Grants**, 2009-12, **\$23,000**
- X **Rebecca Schnelle (PI) and Tim Woods**, "*Annualized Perennial Production: An Untapped Opportunity for Kentucky's Greenhouse Growers*", **New Crop Opportunity Center Research Grants**, 2009-12, **\$38,240**
- X Katchova, Ani, and **Timothy Woods (Co-PI)**, "*Local Sourcing as a Differentiation and Recruitment Strategy for Food Consumer Cooperatives*", **USDA Rural Development**, 2009-2011, **\$62,654**
- X **Woods, Timothy (PI)**, "*Retail Ready Development Project*", **Applied Sustainability Center**, University of Arkansas, 2009-2010, **\$20,000**

- X **Woods, Timothy (PI)**, “*Building Commercial Readiness for Retail Growers in the MarketMaker Network*”, **University of Illinois**, 2009, **\$33,000**.
- X **Woods, Timothy (PI)**, Wuyang Hu, Sandra Bastin, and John Strang, “*Examining Market Demand for Raspberry and Blackberry Value Added Products*”, **New Crop Opportunity Center Research Grants**, 2008-09, **\$29,888**
- X Tim Coolong (PI) and **Tim Woods**, “*Sweetpotatoes: A profitable crop for small farms in rural Eastern Kentucky*”, SARE On-Farm Research Grant, 2009, **\$14,791**
- X Tim Coolong, Richard Warner, John Wilhoit, John Strang, and **Timothy Woods (co-PI)**, “*Increasing Irrigation Water Use Efficiency in Vegetables and Small Fruits Using Automated Pulsed or Microdrip-Irrigation Systems*”, **New Crop Opportunity Center Research Grants**, 2008-09, **\$35,175**
- X **Woods, Timothy (PI)**, “*On-Tapp Dairy Feasibility Study*”, Funded through Tapp Dairy under the **USDA Value-Added Producer Grant**, 2007-2008, **\$28,150**.
- X **Woods, Timothy (PI)** and Lionel Williamson, “*Cooperative Intern Program*”, **Kentucky Center for Agricultural and Rural Development**, 2007, part of the general grant awarded to KCARD by the **USDA Rural Business Cooperative Service**, **\$10,000** renewed again in 2008 for an additional **\$3500**.
- X Mark Williams, **Woods, Timothy (co-PI)**, and James Mansfield, “*Optimizing Romaine Lettuce Production In Kentucky*”, **New Crop Opportunity Center Research Grants**, 2007-2008, **\$28,500**
- X Tim Stombaugh, Pfeiffer, Todd and **Woods, Timothy (co-PI)**, “*Mechanical Harvesting of Edamame*”, **New Crop Opportunity Center Research Grants**, 2007-2008, **\$65,175**
- X **Woods, Timothy (PI)**, “*Horticulture Market Research*”, **Kentucky Horticulture Council**, 2006-2009, **\$136,000**. This is part of a larger \$2.6 million grant received by the KHC from the **Ag Development Fund** to support general future industry development efforts. The marketing component was divided between the Kentucky Department of Agriculture (promotion and advertising, market development cost share) and the University of Kentucky (market research).
- X **Woods, Timothy (PI)**, Sandra Bastin, and Terry Jones, “*The Development of Organic Blueberry Production and Value Added Products*”, **New Crop Opportunity Center Research Grants**, 2006-2008, **\$18,580**

RECENT AND FORTHCOMING PUBLICATIONS

Journal Articles

- Marvin T. Batte, Wuyang Hu, **Tim Woods**, and Stan Ernst, “*Assessing the Contribution of Local Production, Organic Certification, Nutritional Claims, and Product Branding on Consumer Food Choices: A Conjoint Experiment*” in review with *American Journal of Agricultural Economics*
- Hu, Wuyang, Marvin Batte, **Timothy Woods** and Stan Ernst, “*What is Local and for What Foods Does it Matter?*” In review with the *Journal of Food Policy*
- Hu, W., **Woods, T.**, Cox, L., and Bastin, S., “*Analyzing the Demand for a New Value-Added Product: Pure Blueberry Sweetener*”. In review with *Journal of International Food and Agribusiness*.
- Wysocki, Allen, Ruby Ward and **Timothy Woods**, “*Agribusiness Extension Programs*” Special Issue on The Scientific Pluralism of Agribusiness, *International Food and Agribusiness Management Review*, accepted for publication.
- Hu, W., **Woods, T.**, and Bastin, S., “*Consumer Cluster Analysis and Demand for Blueberry Jam Attributes*”. *Journal of Food Product Marketing* 15(4):420-435, 2009.
- Hu, W., **Woods, T.**, and Bastin, S., “*Consumer Acceptance and Willingness to Pay for Blueberry Products with Non-Conventional Attributes*”. *Journal of Agricultural and Applied Economics* April, 2009.

Published Abstracts

- Timothy Woods**, Sayed Saghalian, and Lucia Ona, “*Will Higher Shipping Costs Drive Us to Source More Localized Produce?*”, abstract of selected paper published in *Journal of Agricultural & Applied Economics*, forthcoming 2009.
- Hu, W., **T. Woods** and S. Bastin, “*Consumer Acceptance and Willingness to Pay for Blueberry Products with Non-Conventional Attributes*” *Consumer Interests Annual* 54: 145-146, 2008.

Other Refereed and Numbered Publications

Timothy Woods, "2010 Kentucky Produce Planting and Marketing intentions Grower Survey & Outlook" University of Kentucky, Dept of Ag Economics Extension Numbered Series: 2010-05, June, 2010.

Timothy Woods, Matt Ernst, Stan Ernst and Nick Wright, "2009 Survey of Community Supported Agricultural Producers", University of Kentucky, Dept of Ag Economics Extension Numbered Series: 2009-11, July, 2009.

Timothy Woods, Emine Bayar, and Wuyang Hu, "Kentucky Consumer Interest in Different Sweet Potato Varieties and Products", 2008 Fruit and Vegetable Crops Research Report, PR-572, p.67, December, 2008.

Ernst, M., **T. Woods**, J. Strang, and T. Jones. "2008 Kentucky Blackberry Cost and Return Estimates", University of Kentucky College of Agriculture Cooperative Extension Service, Publication ID-149 update, December 2008.

Timothy Woods, "Horticulture", in the Kentucky Agricultural Economic Outlook for 2009, University of Kentucky / Agricultural Economics CES, December, 2008.

Coolong, Timothy, Joe Masabni, Ric Bessin, Kenny Seebold, **Timothy Woods**, and Terry Jones, "Ornamental Corn Production in Kentucky", University of Kentucky College of Agriculture Extension Publication HO-81, August, 2008.

Symposia, Presented Papers, Posters, and Published Proceedings

Wuyang Hu, Marv Batte, Stan Ernst and **Tim Woods**, "Should Surveys Be Conducted Online or On Paper: A Comparison", Poster at the 2010 AAEA, CAES, & WAEA Joint Annual Meeting in Denver, July 25–July 27, 2010.
<http://ageconsearch.umn.edu/handle/61307>

Woods, Timothy, Wuyang Hu, Marv Batte, and Stan Ernst, "Income Effects on Demand for Local Food Products: A Meta-Analysis", paper presented at the WERA-72 Regional Research in Agribusiness, Santa Clara, California, June, 2010.

Woods, Timothy, "How can Agricultural Economists Contribute to Defining Local and Understanding the Changing Market Environment?" symposia on The Local Food Movement: Is It Here to Stay? At the Southern Ag Economics Association Meetings, Orlando, FL, January, 2010.

Hu, W., M. Batte, **T. Woods** and S. Ernst "What is Local and for What Foods Does it Matter?" *Selected Paper*, Southern Agricultural Economics Association Annual Meeting, Orlando FL, February 6-9, 2010.

Woods, Timothy and Al Wysocki, "Mechanisms for Small Producers to Take Advantage of Sustainability", selected paper as part of the Agribusiness and Managerial Economics session on Delivering Sustainability, American Applied Economics Association annual meetings, Milwaukee, WI, July 2009.

Woods, Timothy, Wuyang Hu, Marv Batte, and Stan Ernst, "National, Regional, Local, and Micro-Local Markets: How Far Can We Take Local Marketing of Food", paper presented at the WERA-72 Regional Research in Agribusiness meetings, Las Vegas, NV, June, 2009.

Woods, Timothy and James Sterns, "An Overview of U.S. University-Farmer-Agribusiness Outreach Partnerships"; and "Importance of Product Quality and Impact on Small Farmers", Indo-US AKI Workshop: Linking Farmers and Agro-based SMEs to Markets, New Delhi, India, March, 2009

Liu, Z., W. Hu and **T. Woods** "Blueberry in the South: Consumer Willingness to Pay for Blueberry Sweetener in Kentucky" Selected Paper, Food Distribution Research Society Annual Meeting, Columbus OH, October 11-15, 2008.

Woods, Timothy, Rich Knipe, Dar Knipe, Al Wysocki, David Lamie, and Ken Hood, "Research and Extension Opportunities for the MarketMaker Network", symposia presented at the WERA-72 Regional Research in Agribusiness meetings, Santa Clara, California, June, 2008.

Saghaian, Sayed, **Timothy Woods** and Lucia Ono, "Fuel Impacts on Regional Competitiveness for Selected Produce Items", paper presented at the WERA-72 Regional Research in Agribusiness meetings, Santa Clara, California, June, 2008.

Hu, Wuyang, **Timothy Woods**, and Sandra Bastin, "Consumer Acceptance and Willingness to Pay for Blueberry Products with Non-Conventional Attributes", ACCI Selected Paper at the 2008 AAEA & ACCI Joint Annual Meeting in Orlando, Florida, (7/08).

Woods, Timothy, "MarketMaker Development in Kentucky", Symposia presented with colleagues from Georgia and Mississippi at the Southern Agricultural Economics Association meetings, Dallas, TX February, 2008

Woods, Timothy, "Wholesale, Retail, and Institutional Markets for Fresh and Value-Added Foods", Symposia presented at the Southern Sustainable Ag Workers Conference, Louisville, KY, January, 2008

Popular Press Publications

Woods, Timothy and Matt Ernst, "Selling Farm Products at Farmers Markets", National MarketMaker Newsletter, May 2010.

Woods, Timothy, "Your Nursery Interest" Nursery Views, (40)1: 19, Spring 2010.

Ernst, Stan and **Timothy Woods**, "Growth in Community Supported Agriculture Brings Opportunities", Today, Ohio Produce Growers and Marketers Association, pp4-5, Winter 2010

Woods, Timothy, "Taking Nursery Outlook Cues from the Stock Market" Nursery Views (39)3:18 Fall 2009

Woods, Timothy, Jack Schieffer, and Marv Batte, "2009 Consumer Lawn & Garden Trends", Nursery Views (30)2:20-21 Summer, 2009.

Timothy Woods, "Sharpen Your Nursery Business Strategies for 2009", Nursery Views, 39(1):13, Spring 2009.

Timothy Woods, "MarketMaker Development", West Kentucky Vegetable Growers Newsletter, 1(1):2, March, 2009.

Timothy Woods, "2008 Kentucky Produce Planting and Marketing Intentions Survey and Outlook", ANR Today, UK Cooperative Extension Newsletter, August, 2008.

RECENT AWARDS AND RECOGNITION

Research/Extension Impact Award, University of Kentucky College of Agriculture, with Dr. Wuyang Hu, 2010

Outstanding Multi-State Extension Project, USDA-NIFA, for the "MarketMaker" program, with Dr. Steve Isaacs and Dr. Lee Meyer and 16 participating states. 2010

Food Distribution Research Society Case Competition, **National champions**, faculty advisor, 2008

TEACHING AND ADVISING

AEC 317 Marketing Horticultural Products (1 credit)

AEC 317	Fall 2008 14 students	Quality of Teaching	
			3.7

AEC 317	Fall 2009 30 students	Quality of Teaching	
			3.6

AEC 422 Agribusiness Management (3 credits)

AEC 422	Fall 2008 15 students	Quality of Teaching	3.7
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AEC 422	Fall 2009 26 students	Quality of Teaching	3.4
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AEC 300 International Issues in Agricultural Economics: Agribusiness, Markets, Institutions, and Sustainability Challenges in Developing Countries (3 credits) Special course offered for AEC students with Dr. Abdul Kalam, former president of India. Co-instruction with Drs. Meyer and Reed.

AEC 300	Fall 2010 12 students	Quality of Teaching	3.3
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Advisor for the UK Agribusiness Club and the FDRS Case Competition Teams.

**APPENDIX D:
Strategic Planning Review Reports 2004-2009**

Annual Review Report 2004-2005 APPROVED	
Area: Provost	College/Unit: College of Agriculture
Department: Agricultural Economics	Degree: N/A
Data Entry: Lynn Robbins	Approver: Lynn Robbins
Unit Mission:	To serve the Commonwealth of Kentucky by providing knowledge and information that will assist in solving social and economic issues and problems related to agriculture, resources, food and fiber industries and rural economies important to the state, region and international community. This will be accomplished through research, resident instruction, and extension.

Unit Goals and Specific Strategies										
Obj. #	Unit Goals and Specific Strategies	Assessment Methods, Criteria and Timelines	Results of Assessments	Use of Results to Improve	Relationship to UK Strategic Plan:					
					UK Mission	UK Goal	UK Key Indicator			
01	(I - General Departmental) Providing basic and applied knowledge for producers, consumers, and other private and public decision makers as they strive to design and implement strategies, programs and policies.	Provide Congressional testimony, invited presentations to public bodies & other similar prestigious presentations. Self reporting of testimony and significant prestigious presentations showed 56 for 03-04 or 3.9 per CES + AES FTE. We set a goal of 3 per CES + AES FTE	In 04-05 a screened self reporting showed 23 with 14.3 CES+AES FTE - that is 1.6 per FTE	Hard to measure consistently	Overall	1. National Prominence	1.1	0	0	0
02	(I - BS) 2. The Department will recruit and graduate students who become outstanding leaders and scholars for our state and nation. The Department will provide a rigorous learning environment that is conducive to success and prepares graduates to deal with global issues.	At least two undergraduate or graduate papers, theses, or dissertations submitted for consideration in regional or national competition each year	None were submitted in 03-04. 2 were submitted in 04-05	Continue our effort to nominate student papers.	Overall	1. National Prominence	3.4	0	0	0

03	(II- MS) Increase the quality of the students enrolled in the M.S. program. - The Department will recruit and retain students with the highest academic and professional potential.	Will add goals on selectivity (% admitted from applications) for 03-04. Our goal was set at 40%.	Our selectivity #'s for F'99 - F'04 were 39%, 66%, 40%, 64% & 47%. Economic's comparative numbers, excluding F'04 were 65%, 21%, 26%, 40% - In 04-05 ours was 8/20=40%	Keep monitoring and possibly adjusting the goal	Overall	1. National Prominence	1.1	0	0	0
04	(II - MS) Continue to enhance recruitment of M.S. students, particularly outstanding students from other institutions as well as our own undergraduate program. - The Department will recruit and retain students with the highest academic and professional potential.	Will add goals on yield (% that show up of those admitted) for 03-04. Our yield for F'99-F'04 was 38%, 48%, 27%, 24% & 39%. Economics #'s were 29%, 29%, 15% & 14% Our goal was set at 50%.	In 04-05 6 of the 8 we admitted arrived = 75%	We will continue monitoring and re-evaluating	Instructional	2. Outstanding Students	1.1	0	0	0
05	(II - MS) Increase the quality of the students enrolled in the M.S. program. - The Department will recruit and retain students with the highest academic and professional potential.	Increase average GRE score of incoming class to 1500. F'02 score was 1447.5, F'01 score was 1420 for Sp 01, F' 2000 ave GRE for MS 1375. F'03 score was 1795.	The F'04 MS GRE's were 1517. F'05 = 1478	Do we change to a 2-part tracking?	Instructional	2. Outstanding Students	1.1	0	0	0
06	(II - BS) Increase the undergraduate graduation rate. Maintain 75% 5-year graduation rate or better for entering Freshmen & transfer students- The Department will provide a rigorous learning environment that is conducive to success and prepares graduates to deal with global issues.	In 03-04 we will continue with a modified version of this goal, to include freshmen and transfer rates with a goal of 75%. In the Fall '01 the rate was 70%, in 2001-2002 we made 75% In 2003 our 5 year graduation rate for freshmen was 80%. Graduated 70% of the 1999-2000 transfer students. The rate as of 10-01-01 was 62%. In the 02-03 School year 73% of transfer students who entered school in 1998 graduated in 5 years or less.	In 03-04 we had a 5-year graduation rate of ~ 68% - Data for 04-05 was not secured from UK in time to report this result for 04-05	Keep working toward goal of 75% Current changes in BS curriculum have not had time to take effect	Instructional	2. Outstanding Students	2.6	0	0	0

07	(II - BS) We need to work on methods to manage the large number of undergraduates while focusing on quality goals. - The Department will provide a rigorous learning environment that is conducive to success and prepares graduates to deal with global issues.	Transfer entrants will be tracked and a control goal set. Continue to monitor to see if the GPA requirement added in the new program has the effect of reducing our overall enrollment. The # of transfer entrants were 22 in '96-97, 34 in '97-98, 40 in '98-99, 52 in '99-00, 80 in '00-01, 107 in '01-02, 78 in '02-03	We had 96 transfers in 03-04 & 59 in 04-05	This will be a particular point of emphasis as we dropped off considerably in 04-05	Instructional	2. Outstanding Students	2.2	0	0	0
08	(II - MS) Increase the academic performance and achievement of M.S. students. - The Department will provide a rigorous learning environment that is conducive to success and prepares graduates to deal with global issues.	At least 50% of M.S. students should have a paper or poster by the time they graduate. As of October 1, 2002 56% (9/16) of those who graduated in 2001-02 had papers or posters. As of 10/01, 6/8 or 75% of those who finished had given a paper or poster. As of October 1, 2003 86% (6/7) of those who graduated in 2002-03 had papers or posters.	In 03-04 3 of 7 MS grads had posters or papers - in 04-05 30% had papers or posters	Have fallen below 50% for two years in a row so need to emphasize encouraging this even more in 05-06	Instructional	2. Outstanding Students	1.1	0	0	0

09	(II - MS) Assure that our M.S. students move through the program in a timely manner. - The Department will provide a rigorous learning environment that is conducive to success and prepares graduates to deal with global issues.	Seventy-five percent of our full-time M.S students should finish in 2 years. For 03-04 Maintained 75%. As of October 1, 2002, 50% graduated in two years. For 10/01 it was 4/8. As of October 1, 2003, 83% (5/6) of the full time students graduated within two years. We graduated 7 MS students. The seventh was an Extension Associate. Mean time to graduation is 2.9 years from 97-00 but includes people like Extension Associates. (3 of 25 finished in under 2, 18 in under 2.5 and 21 in 3 years or less).	In 03-04 5 of 7 who finished did so in 2 years. 71+% which is below our goal. Again in 04-05 we were near but below goal at 70%	We will continue to work to get full-time MS students finished in 2 years. Keep tracking	Instructional	2. Outstanding Students	2.6	0	0	0	0
10	(II - MS) Continue to get students involved in projects, especially their own research, very early. - The Department will provide a rigorous learning environment that is conducive to success and prepares graduates to deal with global issues.	50% of our full-time MS students will be employed in their own research after one semester and 100% after two semesters. As of the F'03 MS students are assigned their own research in about 14 months, on average. Of the 24 MS students 3 have been assigned within 1 semester and 3 more within a year.	By the F'04 25% had their own research in 1 semester and 80% in two semesters By F'05 20% in one semester and 40% in two	We will re-visit this goal in Graduate Committee & faculty meeting to determine action	Instructional	2. Outstanding Students	2.6	0	0	0	0

11	(II - MS) track placement. Our goal is simply to track institutional successes relative to the students goals for placement. Monitoring will begin in January, 2003 so we'll have a base point for next year. - The Department will provide a rigorous learning environment that is conducive to success and prepares graduates to deal with global issues.	Track those who are employed in a university, government, private sector, those who return to home country position and those who are under or unemployed. Our seven 03-04 MS graduates are employed as follows: 1 Grad School, 2 private sector, 1 university, 1 home country, 1 state government & 1 seeking employment. The 7th is not actively seeking employment at this time.	03-04 7 MS graduated 4 continued their education, 2 were employed and 1 is looking for work. Graduates were employed by the USDA, Peace Corps, Farm Credit and UK. The 04-05 #'s are Univ-0, Gov-3, private - 1, home country-3 under/unemployed-3	Keep working toward 100% placement	Instructional	2. Outstanding Students	1.1	0	0	0
12	(II - BS) We will collect information from seniors about their experience at UK. Do analysis of exit interviews to determine variables that affect transfer graduation rate. The Department will seek to offer the full scope of learning opportunities for all of it's fields of study with access to advanced degrees, distance learning and continuing education.	We will obtain an exit interview from at least 50% of our seniors.	4 of 36 potential December '03 graduates completed surveys and 7 of 41 May'04 graduates a 15% response rate. We reached 57% in '04-05	By urging seniors in AEC320 & 422 to submit surveys we reached 57% in '04-05 so continue this approach	Instructional	2. Outstanding Students	1.1	0	0	0
13	(II - MS) Maintain the number of students enrolled in the M.S. program. - The Department will seek to offer the full scope of learning opportunities for all of it's fields of study with access to advanced degrees, distance learning and continuing education.	Maintain MS student number at 25 while recruiting both high quality in- and out-of-state prospects. F'00 was 18, 01=25, 02=28, F' 03= 24.	In fall '04 we had 25 MS students in the program. The AEC 04-05 # was 20 MS students enrolled	We need to work back up toward 25 MS students.	Instructional	2. Outstanding Students	2.2	0	0	0

14	(II - General Departmental)The Department will integrate the students and faculty as appropriate from the former College of Human Environmental Sciences.	At least two courses will be cross listed in HES and AEC by 2007	The department is beginning to look at cross listing an e-tailing course that is offered out of the HES's Merchandizing Apparels and Textiles unit. During F'05 we offered the MAT e-tailing course as an AEC 580	Continue to pursue other possible courses that could be cross listed to help provide more of the 24 credits of non-core AEC electives. This will also help us meet our goal of 2 cross listed courses.	Instructional	2. Outstanding Students	2.2	0	0	0	0
15	(II - PhD) Increase the quality of the students enrolled in the Ph.D program. - The Department will attract highly qualified doctoral students and postdoctoral scholars.	Keep the average GRE score for the incoming class at 1600 (total of three sections). The average 2000-01 GRE=1696, 2001-02=1783, 2002-03=1960, F'03=1875 (WE ARE USING A CONVERSION RATE FOR THE NEW Analytical scores)	In F'04 our PhD GRE scores averaged 1728 & F'05 = 1615	Continue monitoring and possibly change to tracking the 2-part score (just Verbal and Quantitative)	Instructional	2. Outstanding Students	4.3	0	0	0	0
16	(II - PhD) Increase the quality of the students enrolled in the Ph.D program. - The Department will attract highly qualified doctoral students and postdoctoral scholars.	Our PhD selectivity goal is 50%	Our PhD selectivity for F'99-F'04 were 59%, 58%, 48.5%, 62% & 43% while Economics were 58%, 42%, 57% & 48% for 99-03-Ours for '04-05=38%	Our PhD selectivity improved	Instructional	2. Outstanding Students	4.3	0	0	0	0
17	(II - PhD) Increase the quality of the students enrolled in the Ph.D program. - The Department will attract highly qualified doctoral students and postdoctoral scholars	Our PhD yield goal will be 25% (% that show up of those admitted). Our PhD yield for F'99 through F'04 were 23%, 38%, 25%, 24% and 22%. By comparison Economics for 99-03 were 31%, 17%, 20% & 16%	04-05=8/9or89%	Re-visit the goal	Instructional	2. Outstanding Students	4.3	0	0	0	0

18	(II - PhD) Enhance the PhD students productivity and marketability by having them do presentations at professional meetings and submit papers to refereed journals. - Strive for continued improvement in both the quality and quantity of research productivity.	One hundred percent of our PhD. students should have a presentation at a professional meeting before they graduate, 50% should have a refereed publication and 100% have a publication in review before they graduate. By October of '01 3 had a presentation before they left & 3 published. In '02-03 we graduated no PhD students.	Four PhD's finished in 03-04 and all had presentations before they graduated. Two had refereed articles published or accepted. 04-05 = 75% presentations & 50% publications	Continue tracking. Push the presentations as an important and easier goal to attain	Instructional	2. Outstanding Students	4.3	0	0	0
19	(II - PhD) Assure that our PhD students move through the program in a timely manner - Strive for continued improvement in both the quality and quantity of research productivity.	Eighty percent of our PhD students should graduate from the program within four years. In 2000-01, neither of our two graduated PhD students completed requirements within 4 years - as of 10-1-02 two of our 3 PhD. graduate students completed requirements within 4 years. We did not graduate a PhD student in the 02-03 school year.	In 03-04 two of 4, 50% graduated in four years-two took 4.5 years. 04-05 50% graduated in 4 years	The Graduate Committee will work with major professors to enhance this rate to meet our goal.	Instructional	2. Outstanding Students	4.3	0	0	0
20	(II - PhD) Assure that our PhD students move through the program in a timely manner. Strive for continued improvement in both the quality and quantity of research productivity.	Our PhD's should be candidates (finished the agriculture qualifying exam)30 months into the program.	In 03-04 three PhDs out of ~5 who had been here over 30 months were candidates by the 30 month goal. 04-05 = 50%	Work to get this to be 100%.	Instructional	2. Outstanding Students	4.3	0	0	0

21	(II - PhD) Track placement - Our goal is simply to track institutional placement. We will also track successes relative to the students goals for placement. Monitoring will begin in January, 2003 so we'll have a base point for next year. Strive for continued improvement in both the quality and quantity of research productivity.	Track those who are employed in a university, government, private sector, those who return to home a country position and those who are under or unemployed.	In 03-04 two of 4 went to private industry, one is a post doc and one is working in the public sector- 04-05, Univ=1, Gov=1 private sec=1, home country=1, under/unemployed=0	Keep tracking.	Instructional	2. Outstanding Students	4.3	0	0	0
22	(II - PhD) Continue to get students involved in projects, especially their own research, very early. Provide a graduate program which attracts and educates students in theoretical and applied economic concepts. We stress the use of analytical tools to solve problems related to agricultural resources, food and fiber industries, and rural economics in the U.S. and internationally. Strive for continued improvement in both the quality and quantity of research productivity.	Make sure that each graduate student has a research project with a professor within first 6-12 months. Fall '00 = 10.5 months, '01=18.3, '02= 16, Fall '03 = ~14.	In 03 -04, 3 had projects in the first year 75%. 04-50=15%	Keep pushing to have all PhD's on a research project in the first year.	Instructional	2. Outstanding Students	4.3	0	0	0
23	(III - General Departmental) The Department will recruit and develop an outstanding and diverse faculty.	Decreased by half the disparity between average salary and UK's benchmarks for all professorial categories	In 04-05 using NAAEA numbers we are \$1,000 above average for Associate Professor salaries, \$1,500 below for Assistants and \$4,000 for full profs In 03-04 we were only below average for assistant professors In 3/05 benchmark AEC's were surveyed we were almost \$3,000 behind overall(\$6,280 Asst Profs, \$2,602 Assoc & \$5,610 fulls)	Work with Dean Smith in an attempt to improve salaries so we can move closer to benchmark - a survey will be taken again in '07	Overall	3. Disting. Faculty	3.1	0	0	0
24	(III - General Departmental) The Department will recruit and develop an outstanding and diverse faculty.	Retiring faculty will be replaced within six months of retirement or six months from the end of their post-retirement appointment.	Riggins retired in August '04 his last year will be 06-07 - Jones' last year will be '07-08. Mather retires 1/31/06 - Dean is to approve his replacement search 11-05	Urge eligible faculty to notify the department as early in their retirement process as possible so we can implement replacement strategies.	Overall	3. Disting. Faculty	3.2	0	0	0

25	(III - General Departmental) We will enhance the national prominence and impact of research-based scholarship.	We will maintain active mentoring committees for all non-tenured faculty (at least three formal meetings per year)	In '05 Scorsone and Pushkarskaya's committees presented a written mentoring plan, including a formal list of meeting times.	Continue to learn how to make best use of mentoring committees In '06 appoint committee for Mehdi & Roger and have all 3 meet at least 3 times & do a mentoring plan	Overall	3. Disting. Faculty	3.2	0	0	0
26	(III - CES) The Department will improve recruitment, retention and remuneration of technical, clerical and professional staff to ensure the highest quality of support for all programs.	Fill three hard-funded Extension Associate positions by the fall of 2007 with the expectation that five to six Extension Associates will be employed at any given time.	No results in '04 as this is a new goal - in '05 we have requested that the L/F faculty position be converted to an MS specialist, but we have no hard funded CES Associates	Discussions will continue with Deans Turner and Smith about this goal. As of f'05 they are against this concept but may help with bridge funds	Service	6. Quality of Life	6.6	0	0	0
27	(IV - CES) Provide educational programs and serve the off-campus needs of the citizens of the Commonwealth of Kentucky with research-based efforts in the areas of economic and social choices; Address traditional education needs while expanding efforts in community economic development, emerging agricultural enterprises, value added marketing and alternative marketing methods; Continue educational programs and research collaboration with other such units in UK as Biosystems and Agricultural Engineering, Horticulture, Animal Science, The Medical Center and the Center for Cooperative Development.	Attract \$100,000 per CES FTE. In 04-05 grants were no longer reported in a separate fashion so we went to self reporting	In Fiscal 04 CES attracted \$69,800 of primary grants and were collaborators in \$1,406,130 of grants. This is \$8,600 of primary and \$220,500 of collaborative grants per CES FTE - 04-05 showed primary=\$248,791 & collaborative=\$1.8 mil	Re-evaluate and consider a new goal after a second year of experience.	Service	4. New Knowledge	1.1	0	0	0

28	(IV - AES) Providing basic and applied knowledge for producers, consumers, and other private and public decision makers as they strive to design and implement strategies, programs and policies.	Publication of at least three refereed journal articles per research FTE. (Baseline 1997/98 was 4.46, 99/00 was 3.78, In 2001-02 we had 3 articles per FTE). We published 4 book chapters and 14 refereed journal articles in 2002 as reported in the AES Annual Report. With 5.7 AES FTE that year we had 3.18 articles per AES FTE. This is the first year of using the AES Annual Report for data. We will continue with this data set.	In fiscal 04 AES faculty published 5 books or book chapters and 24 refereed journal articles = 4.5 publications per AES FTE. The same #'s in 04-05 are 4 & 18 with 6 AES FTE for 3.7/AES FTE	Met goal - keep monitoring BE AWARE of DECLINING TREND HERE although we are above our goal of 3	Research	4. New Knowledge	1.1	0	0	0
29	(IV - AES) Providing basic and applied knowledge for producers, consumers, and other private and public decision makers as they strive to design and implement strategies, programs and policies.	Our goal is \$25,000 of grants per AES FTE per year. We reduced this goal to \$25,000 because the fiscal situation tightened & overhead rates made us less competitive. Using 5.7 AES FTE our primary and collaborative grant rate is as follows; 99-00=\$104,912 & \$180,120; 00-01=\$109,298 & \$514,471; 01-02=\$31,754 & \$582,669; 02-03=\$34,168 & \$500,896	In fiscal 04 the AES grants were \$169,300 primary and \$1,379,100 collaborative. That is \$26, 500 per AES FTE of Primary grants and \$216,200 of collaborative grants per AES FTE. '04-05 is primary \$461,828 (\$76,971/FTE) & collaborative \$2,945,129 (\$498,855/AES FTE)	Continue to reassess grant goals each year.	Research	4. New Knowledge	1.1	0	0	0

30	(V - General Departmental) Sustain an institutional climate wherein differences are valued.	30% of faculty should participate in some international experience each year. (6-7/year)	In '03-04 we had 8 faculty who worked on some international project. 04-05=15/22 or 65%	Keep encouraging efficient internationalism, rather than long-term assignments.	Overall	5. Nurture Diversity	6.1	0	0	0
31	(V - General Departmental) The Department will recruit and develop an outstanding and diverse faculty.	Maintain or increase the ethnic and gender diversity of faculty. We will strive to stay at or above one African American and two female faculty members	In '04 we added the second female faculty member to our department so we doubled in that measure. In '05 we interviewed 2 females, 1 turned us down, and 1 was not qualified. We interviewed 1 female of 3 applicants for the CED position during Oct '05	Each search committee meets with Dean Smith relative to this goal and the Chair will insist that qualified female and minority candidates be included in the interview pool.	Overall	5. Nurture Diversity	5.1	0	0	0
32	(V - General Departmental) Provide a graduate program which attracts and educates students in theoretical and applied economic concepts. We stress the use of analytical tools to solve problems related to agricultural resources, food and fiber industries, and rural economics in the U.S. and internationally. The Department will sustain an institutional climate wherein differences are valued.	Attract and maintain a minority graduate student enrollment that is equal to or greater than the average at the University. The University's graduate minority enrollment is 7.8%. Minority enrollment for Fall 01-02 was 6.8%. For '03=7.7%. The department agreed to house the office for the Assistant Dean for Diversity beginning in 2003. Continue efforts to recruit and retain minority students and faculty working closely with the Assistant Dean of Diversity's office.	In '03-04 we had 3/43 = 7% minority. In '04-05 we were 4/48 8.3%	We are meeting our goal The Departmental Diversity Committee was appointed in '05 and will be reworking the departmental plan	Instructional	5. Nurture Diversity	5.1	0	0	0
33	(V - BS) Increase the ethnic and global diversity of the Department's student body. The Department will sustain an institutional climate wherein differences are valued.	Our '03-04 goal will be to maintain African American enrollment at or above the 6.6% figure	In F'04 we had 15 minority students out of 179 enrolled or 8.4%. In fiscal '04-05 we are 11/171 or 6.4%	We fell below our goal. We will continue to recruit and consider a higher goal. A departmental diversity committee was appointed in 05 and	Instructional	5. Nurture Diversity	5.1	0	0	0

		representing the current share of the State's population rather than the lower University population of 3.1%, our previous goal (the University's minority number). In 02-03 the # was 16 or 8%.		will re-evaluate and reconstruct our plan						
34	(V - BS) Sustain an institutional climate wherein differences are valued	Maintain foreign undergraduate enrollment of 2%	In 03-04 we had 1 international student out of a total of 200, or 0.5% . 04-05=1/171 or 0.6%	Work to increase our international undergraduate enrollment.	Instructional	5. Nurture Diversity	5.1	0	0	0
35	(V - BS) Sustain an institutional climate wherein differences are valued	10% of students should take advantage of an international academic experience during their undergraduate career	In 03-04 we had 3 international undergraduates or 1.5% who participated in an international experience. 04-05 =3/60 who graduated or 5%	Develop a plan to get more undergraduates involved internationally.	Instructional	5. Nurture Diversity	5.1	0	0	0
36	(V - BS) Provide undergraduate education to citizens of the commonwealth, nation and world. The Department will sustain an institutional climate wherein differences are valued.	Our goal for 03-04 will be 30% female enrollment by the Fall of '04. and 33% by the Fall of '06. Keep recruiting females to the undergraduate program to at least maintain 22% female population. Female enrollment 10-1-02 is 22%. It was less than 20% in 2001. In 2003 our female enrollment was 28%.	We are at 40 females in '03-04 out of 179 or slightly over 22%. In '04-05 females were 35/171 =20.5%	We are not doing well here. We will add this to a future faculty agenda and develop a plan of action to improve. We are going the wrong way!	Instructional	5. Nurture Diversity	5.1	0	0	0
37	(VI - CES) Provide educational programs and serve the off-campus needs of the citizens of the Commonwealth of Kentucky with research-based efforts in the areas of economic and social choices. Address	Make one presentation at a professional society or regional meeting per CES FTE year.	In 03-04 we presented 24 times at professional societies or regional meetings or 2.97 per FTE. 04-05 =19 with 6.5FTE=2.93 per FTE	We surpassed our goal. Keep monitoring	Service	6. Quality of Life	6.1	0	0	0

	traditional education needs while expanding efforts in community economic development, emerging agricultural enterprises, value added marketing and alternative marketing methods.									
38	(VI - CES) Provide educational programs and serve the off-campus needs of the Commonwealth with research-based efforts in the areas of economic and social choices. Address traditional education needs while expanding efforts in community economic development, emerging agricultural enterprises, value added marketing and alternative marketing methods. Continue educational programs and research collaboration with other such units at UK like Biosystems and Agricultural Engineering, Horticulture, Animal Science, the Medical Center and the Center for Cooperative Development.	Publish one refereed journal article per CES FTE per year.	In '03-04 CES published 9 refereed journal articles or 1.12 per FTE 04-05=2 or ~.25 per FTE	Fell far below goal	Service	6. Quality of Life	6.1	0	0	0
39	(VI - CES) Fully implement the recommendations of the 2003 KFBM Futuring Committee. The Department will advance sustainable agricultural, food and natural resource systems.	KFBM will publish an annual summary and 3 Cost & Returns publications each year	In '03-04 KFBM specialists published an annual summary and have completed 5 costs and return summaries. In '04-05 KFBM published an annual summary and 5 cost and return studies	We will continue to work on more timely publications of these reports	Service	6. Quality of Life	6.6	0	0	0
40	(VI - CES) KFBM will fully implement the recommendations of the 2003 KFBM Futuring Committee.	Specialists will carry an appropriate number of cooperators, publish one State newsletter article per Specialist per year and make 4 Extension presentations to non-cooperators each year.	Have met and far exceeded these goals since '03-04 except for Purchase membership. '04-05 is the same as last year	Continue to recruit members for the Purchase area & look into merger with Pennyroyal	Service	6. Quality of Life	6.6	0	0	0

Annual Review Report 2005-2006

Unit Goals and Specific Strategies

Obj. #	Unit Goals and Specific Strategies	Assessment Methods, Criteria and Timelines	Results of Assessments	Use of Results to Improve	Relationship to UK Strategic Plan:					
					UK Mission	UK Goal	UK Key Indicator			
01	(I - General Departmental) Providing basic and applied knowledge for producers, consumers, and other private and public decision makers as they strive to design and implement strategies, programs and policies.									
02	(I - BS) 2. The Department will recruit and graduate students who become outstanding leaders and scholars for our state and nation. The Department will provide a rigorous learning environment that is conducive to success and prepares graduates to deal with global issues.									
03	(II - MS) Increase the quality of the students enrolled in the M.S. program. - The Department will recruit and retain students with the highest academic and professional potential.									
04	(II - MS) Continue to enhance recruitment of M.S. students, particularly outstanding students from other institutions as well as our own undergraduate program. - The Department will recruit and retain students with the highest academic and professional potential.									
05	(II - MS) Increase the quality of the students enrolled in the M.S. program. - The Department will recruit and retain students with the highest academic and professional potential.									
06	(II - BS) Increase the undergraduate graduation rate. Maintain 75% 5-year graduation rate or better for entering Freshmen & transfer students- The Department will provide a rigorous learning environment that is conducive to success and prepares graduates to deal with global issues.									
07	(II - BS) We need to work on methods to manage the large number of undergraduates while focusing on quality goals. - The Department will provide a rigorous learning environment that is conducive to success and prepares graduates to deal with global issues.									
08	(II - MS) Increase the academic performance and achievement of M.S. students. - The Department will provide a rigorous learning environment that is conducive to success and									

	prepares graduates to deal with global issues.																		
09	(II - MS) Assure that our M.S. students move through the program in a timely manner. - The Department will provide a rigorous learning environment that is conducive to success and prepares graduates to deal with global issues.																		
10	(II - MS) Continue to get students involved in projects, especially their own research, very early. - The Department will provide a rigorous learning environment that is conducive to success and prepares graduates to deal with global issues.																		
11	(II - MS) track placement. Our goal is simply to track institutional placement. We will also track successes relative to the students goals for placement. Monitoring will begin in January, 2003 so we'll have a base point for next year. - The Department will provide a rigorous learning environment that is conducive to success and prepares graduates to deal with global issues.																		
12	(II - BS) We will collect information from seniors about their experience at UK. Do analysis of exit interviews to determine variables that affect transfer graduation rate. The Department will seek to offer the full scope of learning opportunities for all of it's fields of study with access to advanced degrees, distance learning and continuing education.																		
13	(II - MS) Maintain the number of students enrolled in the M.S. program. - The Department will seek to offer the full scope of learning opportunities for all of it's fields of study with access to advanced degrees, distance learning and continuing education.																		
14	(II - General Departmental)The Department will integrate the students and faculty as appropriate from the former College of Human Environmental Sciences.																		
15	(II - PhD) Increase the quality of the students enrolled in the Ph.D program. - The Department will attract highly qualified doctoral students and postdoctoral scholars.																		
16	(II - PhD) Increase the quality of the students enrolled in the Ph.D program. - The Department will attract highly qualified doctoral students and postdoctoral scholars.																		
17	(II - PhD) Increase the quality of the students enrolled in the Ph.D program. - The Department will attract highly qualified doctoral students and postdoctoral scholars																		
18	(II - PhD) Enhance the PhD students productivity and marketability by having																		

	them do presentations at professional meetings and submit papers to refereed journals. - Strive for continued improvement in both the quality and quantity of research productivity.																		
19	(II - PhD) Assure that our PhD students move through the program in a timely manner - Strive for continued improvement in both the quality and quantity of research productivity.																		
20	(II - PhD) Assure that our PhD students move through the program in a timely manner. Strive for continued improvement in both the quality and quantity of research productivity.																		
21	(II - PhD) Track placement - Our goal is simply to track institutional placement. We will also track successes relative to the students goals for placement. Monitoring will begin in January, 2003 so we'll have a base point for next year. Strive for continued improvement in both the quality and quantity of research productivity.																		
22	(II - PhD) Continue to get students involved in projects, especially their own research, very early. Provide a graduate program which attracts and educates students in theoretical and applied economic concepts. We stress the use of analytical tools to solve problems related to agricultural resources, food and fiber industries, and rural economics in the U.S. and internationally. Strive for continued improvement in both the quality and quantity of research productivity.																		
23	(III - General Departmental) The Department will recruit and develop an outstanding and diverse faculty.																		
24	(III - General Departmental) The Department will recruit and develop an outstanding and diverse faculty.																		
25	(III - General Departmental) We will enhance the national prominence and impact of research-based scholarship.																		
26	(III - CES) The Department will improve recruitment, retention and remuneration of technical, clerical and professional staff to ensure the highest quality of support for all programs.																		
27	(IV - CES) Provide educational programs and serve the off-campus needs of the citizens of the Commonwealth of Kentucky with research-based efforts in the areas of economic and social choices; Address traditional education needs while expanding efforts in community economic development,																		

	emerging agricultural enterprises, value added marketing and alternative marketing methods; Continue educational programs and research collaboration with other such units in UK as Biosystems and Agricultural Engineering, Horticulture, Animal Science, The Medical Center and the Center for Cooperative Development.																		
28	(IV - AES) Providing basic and applied knowledge for producers, consumers, and other private and public decision makers as they strive to design and implement strategies, programs and policies.																		
29	(IV - AES) Providing basic and applied knowledge for producers, consumers, and other private and public decision makers as they strive to design and implement strategies, programs and policies.																		
30	(V - General Departmental) Sustain an institutional climate wherein differences are valued.																		
31	(V - General Departmental) The Department will recruit and develop an outstanding and diverse faculty.																		
32	(V - General Departmental) Provide a graduate program which attracts and educates students in theoretical and applied economic concepts. We stress the use of analytical tools to solve problems related to agricultural resources, food and fiber industries, and rural economics in the U.S. and internationally. The Department will sustain an institutional climate wherein differences are valued.																		
33	(V - BS) Increase the ethnic and global diversity of the Department's student body. The Department will sustain an institutional climate wherein differences are valued.																		
34	(V - BS) Sustain an institutional climate wherein differences are valued																		
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36	(V - BS) Provide undergraduate education to citizens of the commonwealth, nation and world. The Department will sustain an institutional climate wherein differences are valued.																		
37	(VI - CES) Provide educational programs and serve the off-campus needs of the citizens of the Commonwealth of Kentucky with research-based efforts in the areas of economic and social choices. Address traditional education needs while expanding efforts in community economic development, emerging agricultural enterprises, value added marketing and alternative marketing																		

	methods.										
38	(VI - CES) Provide educational programs and serve the off-campus needs of the Commonwealth with research-based efforts in the areas of economic and social choices. Address traditional education needs while expanding efforts in community economic development, emerging agricultural enterprises, value added marketing and alternative marketing methods. Continue educational programs and research collaboration with other such units at UK like Biosystems and Agricultural Engineering, Horticulture, Animal Science, the Medical Center and the Center for Cooperative Development.										
39	(VI - CES) Fully implement the recommendations of the 2003 KFBM Futuring Committee. The Department will advance sustainable agricultural, food and natural resource systems.										
40	(VI - CES) KFBM will fully implement the recommendations of the 2003 KFBM Futuring Committee.										

Annual Review Report 2006-2007

Area:	Provost	College/Unit:	College of Agriculture
Department:	Agricultural Economics	Degree:	N/A
Data Entry	Lynn Robbins	Approver	
Unit Mission:	To serve the Commonwealth of Kentucky by providing knowledge and information that will assist in solving social and economic issues and problems related to agriculture, resources, food and fiber industries and rural economies important to the state, region and international community. This will be accomplished through research, resident instruction, and extension.		

Unit Goals and Specific Strategies

Obj. #	Unit Goals and Specific Strategies	Assessment Methods, Criteria and Timelines	Results of Assessments	Use of Results to Improve	Relationship to UK Strategic Plan:					
					UK Mission	UK Goal	UK Key Indicator			
1. 02	(I - BS) 2. The Department will recruit and graduate students who become outstanding leaders and scholars for our state and nation. The Department will provide a rigorous learning environment that is conducive to success and prepares graduates to deal with global issues.	At least two undergraduate or graduate papers, theses, or dissertations submitted for consideration in regional or national competition each year None were submitted in 03-04. 2 were submitted in 04-05, 4 were submitted in 05-06 (Jianqiang Hao's dissertation won the SAEA award in February '06)	In 2006-07 we nominated 2 MS & 2 PhD to AAEA & SAEA	Continue our effort to nominate student papers.	Overall	1. National Prominence	3.4	0	0	0
2. 03	(II- MS) Increase the quality of the students enrolled in the M.S. program. - The Department will recruit and retain students with the highest academic and professional potential.	Selectivity (% admitted from applications) Our goal was set keep it below 40%. Our selectivity #'s for F'99 - F'04 were 39%, 66%, 40%, 64% & 47%. Economics' comparative numbers, excluding F'04 were 65%, 21%, 26%, 40% - In 04-05 ours was 8/20=40%- '05-06 =11/20 or 55%.	For 06-07 = 39%	Goal met in '06-07	Overall	1. National Prominence	1.1	0	0	0
3. 04	(II - MS) Continue to enhance recruitment of M.S. students, particularly outstanding students from other institutions as well as our own undergraduate program. - The Department will recruit and retain students with the highest academic and professional potential.	Yield (% that show up of those admitted). Our yield for F'99-F'04 was 38%, 48%, 27%, 24% & 39%. Economics #'s were 29%, 29%, 15% & 14% Our goal was set at getting above 50% . In 04-05 6 of the 8 we admitted arrived = 75%; '05-06 5/11 45%.	06-07 = 89% our best year yet	We finally made it.	Instructional	2. Outstanding Students	1.1	0	0	0
4. 05	(II - MS) Increase the quality of the students enrolled in the M.S. program. - The	Goal for average 3-part GRE score goal for incoming class of 1500. F'00-1375, F'01-1420, F'02 -1447.5, F'03-1795, F'04-1517, F'05 = 1478//IN 04-	In 05-06 5 students GRE's average = 1158 In 06-07 = 988	Fell slightly below- we will continue to monitor in	Instructional	2. Outstanding Students	1.1	0	0	0

	Department will recruit and retain students with the highest academic and professional potential.	05 WE DECIDED TO MOVE TO THE 2-PART SCORES (VERBAL+ QUATATIVE, no longer analytical) FOR '05-06 MAKING THE NEW GOAL = 1052 the mean score for social sciences.		comparison to the selectivity goal WILL GO TO A THREE YEAR MOVING AVERAGE ONCE WE HAVE DATA FROM THE NEW SCORES ESTABLISHED						
5. 06	(II - BS) Increase the undergraduate graduation rate. Maintain 75% 5-year graduation rate or better for entering Freshmen & transfer students- The Department will provide a rigorous learning environment that is conducive to success and prepares graduates to deal with global issues.	'01-02=75%, '02-03=73%, '03-04=68%, '04-05=75% freshman, 67% transfers, '05-06=67% & 60% , in '06-07 7/13 freshman or 54% graduated in 5 years and 21/38 transfers or 54%	We are falling off possibly as a result of tougher graduation requirements (C's required in the core)	Keep working toward goal of 75%. Changes in BS curriculum have apparently started weeding	Instructional	2. Outstanding Students	2.6	0	0	0
6. 08	(II - MS) Increase the academic performance and achievement of M.S. students. - The Department will provide a rigorous learning environment that is conducive to success and prepares graduates to deal with global issues.	At least 50% of M.S. students should have a paper or poster by the time they graduate. 56% (9/16) in 2001-02, 6/8 or 75%; 86% (6/7)-2002-03, 3/7 or 43% 03-04, 30%; in 04-05 30% had papers or posters. '05-06=3/7 or 43%	'06-07 3/9 or 33.3%	Have fallen below 50% for three years in a row so need to emphasize encouraging this even more in 07-08	Instructional	2. Outstanding Students	1.1	0	0	0
7. 09	(II - MS) Assure that our M.S. students move through the program in a timely manner. - The Department will provide a rigorous learning environment that is conducive to success and prepares graduates to deal with global issues.	75% of our full-time M.S students should finish in 2 years. Mean time to graduation was 2.9 years from 97-00 but includes people like Extension Associates. 03-04 04-05 05-06 06-07 6 7 5 5 8 10 7 9 75.0% 70.0% 71.4% 55.6% 68.2% 75.0% 72.0% 65.4%	In '06-07 5/9 or 55.6% so the new 3-year moving average is 65.4%	We will continue to work to get full-time MS students finished in 2 years. Keep tracking	Instructional	2. Outstanding Students	2.6	0	0	0
8. 10	(II - MS) Continue to get students involved in projects, especially their own research, very early. - The Department will provide a rigorous learning environment that is conducive to success and prepares graduates to deal with global issues.	50% of our full-time MS students will be employed in their own research after one semester and 100% after two semesters. F'03 12.5% in 1 semester & 25% in 2; F'04 25% in 1 & 80% in 2; F'05 20% in 1 & 40% in 2; F'06=12.5% in 1 & 25% in 2	F'07 = 4/7 or 57% in 1 and 4/5 or 80% in 2 semesters	We will re-visit this goal in Graduate Committee & faculty meeting to determine action	Instructional	2. Outstanding Students	2.6	0	0	0

9. 11	(II - MS) track placement. Our goal is simply to track institutional placement. We will also track successes relative to the students goals for placement. Monitoring will begin in January, 2003 so we'll have a base point for next year. - The Department will provide a rigorous learning environment that is conducive to success and prepares graduates to deal with global issues.	Track those who are employed in a university, government, private sector, those who return to home country position and those who are under or unemployed. Our 7 03-04 MS graduates are employed as follows: 1 Grad School, 2 private sector, 1 university, 1 home country, 1 state government & 1 seeking employment. The 7th is not actively seeking employment at this time.(86% employed). The 04-05 #'s are Univ-0, Gov-3, private - 1, home country-3, under/unemployed-3 (70% placement); 05-06= Univ-1, Gov-2, Private-1, home country-0, under/un=3(57% placement)	'06-07, 3/9 private sector, 1/9 home, 1/9 University =5/9 or 55.6%	Keep working toward 100% placement - the current situation is too low – the department chairs office will collect this information when graduate students check out keys in order to get a more accurate data	Instructional	2. Outstanding Students	1.1	0	0	0
10. 12	(II - BS) We will collect information from seniors about their experience at UK. Do analysis of exit interviews to determine variables that affect transfer graduation rate. The Department will seek to offer the full scope of learning opportunities for all of it's fields of study with access to advanced degrees, distance learning and continuing education.	We will obtain an exit interview from at least 50% of our seniors. 4 of 36 potential December '03 graduates completed surveys and 7 of 41 May'04 graduates a 15% response rate. We reached 57% in '04-05. 24/79 '05-06 (Dec, May & Aug)or 30%	By urging seniors in AEC320 & 422 to submit surveys we reached 57% in '04-05 but the same approach only yielded 30% in '05-06 (only 4 of 24 Dec graduates responded!) 24/56 or 43% of those graduating in 06-07 were surveyed.	Keep working through senior level classes to get a higher percent exit surveys.	Instructional	2. Outstanding Students	1.1	0	0	0
11. 13	(II - MS) Maintain the number of students enrolled in the M.S. program. - The Department will seek to offer the full scope of learning opportunities for all of it's fields of study with access to advanced degrees, distance learning and continuing education.	Maintain MS student number at 25 while recruiting both high quality in- and out-of-state prospects. F'00 was 18,01=25, 02 = 28, F' 03= 24,F'04=25, F'05=20, .	F'06=20 (AES reports 17 for 05-06) , F'07 = 18	We are keeping below our max goal	Instructional	2. Outstanding Students	2.2	0	0	0
12. 15	(II - PhD) Increase the quality of the students enrolled in the Ph.D program. - The Department will attract highly qualified doctoral students and postdoctoral scholars.	Keep the average GRE score for the incoming class at 1600 (total of three sections). The average 2000-01 GRE=1696, 2001-02=1783, 2002-03=1960, F'03=1875 USED CONVERSION RATE FOR Analytical scores starting '03; F'04=1728; F'05=1615 but will go to 2-score (verbal + Quant) for 05-06 SET NEW GOAL ABOVE MEAN FOR SOC SCI=1052 BEGINNING	In 07 the average was 1,114- so we met the goal	Keep watching '07 - WILL GO TO A THREE YEAR MOVING AVERAGE ONCE WE HAVE DATA FROM THE NEW SCORES ESTABLISHED	Instructional	2. Outstanding Students	4.3	0	0	0

		F'06- SCORE BASE WILL CHANGE IN .07! 2 students reporting for F'06 & I took GMAT ave was 925!								
13. 16	(II - PhD) Increase the quality of the students enrolled in the Ph.D program. - The Department will attract highly qualified doctoral students and postdoctoral scholars.	Our PhD selectivity goal is below 50%. Our PhD selectivity for F'99-F'04 were 59%, 58%, 48.5%, 62% & 43% while Economics were 58%, 42%, 57% & 48% for 99-03-Ours for '04-05=38%, '05-06=20%	In '06-07 = 41%	Our PhD selectivity continues to improve & in 06-07 we met our goal	Instructional	2. Outstanding Students	4.3	0	0	0
14. 17	(II - PhD) Increase the quality of the students enrolled in the Ph.D program. - The Department will attract highly qualified doctoral students and postdoctoral scholars	Our PhD yield goal will be above 25% (% that show up of those admitted). Our PhD yields for F'99 through F'04 were 23%, 38%, 25%, 24% and 22%. By comparison Economics for 99-03 were 31%, 17%, 20% & 16%: 04-05=8/9or89%	'05-06 was 3/5 =60% & '06-07 it was 71%	Continue monitoring	Instructional	2. Outstanding Students	4.3	0	0	0
15. 18	(II - PhD) Enhance the PhD students productivity and marketability by having them do presentations at professional meetings and submit papers to refereed journals. - Strive for continued improvement in both the quality and quantity of research productivity.	100% PhD. students should have a presentation at a professional meeting before they graduate, 50% should have a refereed publication and 100% have a publication in review before they graduate. In '01 3 had a presentation before they left & 3 published. In '02-03 we graduated no PhD students. 4 finished 03-04 and all had presentations before they graduated; 4 finished 04-05 = 75% presentations & 50% publications. 05-06=4/5 or 80% presented & 40% were published	'06-07 2/3 presented 66.7% and 1/3 published 33.3%	Continue tracking. Push the presentations as an important and easier goal to attain	Instructional	2. Outstanding Students	4.3	0	0	0
16. 19	(II - PhD) Assure that our PhD students move through the program in a timely manner - Strive for continued improvement in both the quality and quantity of research productivity.	Eighty percent of our PhD students should graduate from the program within four years. In '00-01, neither of our two graduated PhD students completed requirements within 4 years - as of 10-1-02 2/3 PhD. students completed requirements within 4 years. We did not graduate a PhD student in the 02-03 school year. 03-04 two of 4, 50% graduated in four years- two took 4.5 years; 04-05 50% graduated in 4 years. 05-06 1/5 who graduated did so in 4 years	'06-07 2/3 or 66.7%	The Graduate Committee will work with major professors to enhance this rate to meet or revise our goal.	Instructional	2. Outstanding Students	4.3	0	0	0
17. 20	(II - PhD) Assure that our PhD students move through the program in a timely manner. Strive for continued improvement in both the quality and quantity of research productivity.	Our PhD's should be candidates (finished the agriculture qualifying exam) 30 months into the program. In 03-04 3 PhDs out of ~5 (60%) who had been here over 30 months were candidates by the 30 month goal. 04-05 = 50%. '05-06 2/4 = 50%	'06-07 3/5 = 60%	Work to get this to be 100%. WE ARE ESPECIALLY SHORT HANDED IN THE RESEARCH FACULTY SIDE OF THINGS - THIS SHOULD	Instructional	2. Outstanding Students	4.3	0	0	0

				IMPROVE AS WE FILL & get moving w/ the 3 research positions (food systems, Industrial org & equine)																																				
18. 21	(II - PhD) Track placement - Our goal is simply to track institutional placement. We will also track successes relative to the students goals for placement. Monitoring will begin in January, 2003 so we'll have a base point for next year. Strive for continued improvement in both the quality and quantity of research productivity.	Track those who are employed in a university, government, private sector, those who return to home a country position and those who are under or unemployed; 03-04 2/4 went to private industry, 1 post doc and 1 in public sector (100%)- 04-05, Univ=1, Gov=1 private sec=1, home country=1,under/unemployed=0 (100%). '05-06 = 1/5 Gov, 2-Private, 2 Home country (100%)	'06-07, 1/3 in University, 1 in the private sector and 1 at home = 100%	doing well keep tracking	Instructional	2. Outstanding Students	4.3	0	0	0																														
19. 22	(II - PhD) Continue to get students involved in projects, especially their own research, very early. Provide a graduate program which attracts and educates students in theoretical and applied economic concepts. We stress the use of analytical tools to solve problems related to agricultural resources, food and fiber industries, and rural economics in the U.S. and internationally. Strive for continued improvement in both the quality and quantity of research productivity.	Make sure that each graduate student (100%) has a research project with a professor within first 6-12 months. Fall '00 = 10.5 months, '01=18.3, '02=16, Fall '03 = ~14. In 03-04, 3/4 75%. 04-05=51%. F'06 2/3 = 67%	F'07 2/4 = 50%	Keep pushing to have all PhD's on a research project in the first year.	Instructional	2. Outstanding Students	4.3	0	0	0																														
20. 23	(III - General Departmental) The Department will recruit and develop an outstanding and diverse faculty.	Decreased by half the disparity between average salary and UK's benchmarks for all professorial categories <table border="1"> <thead> <tr> <th></th> <th>Asst</th> <th>Asc</th> <th>Full</th> <th>all</th> </tr> </thead> <tbody> <tr> <td>03-04</td> <td>+</td> <td>-</td> <td>+</td> <td>+</td> </tr> <tr> <td>04-05</td> <td>-1.5</td> <td>+\$1</td> <td>-4</td> <td>-2</td> </tr> <tr> <td></td> <td></td> <td></td> <td>data</td> <td>change</td> </tr> <tr> <td>Spr 05</td> <td>-6.3</td> <td>-2.6</td> <td>-5.6</td> <td>-3</td> </tr> <tr> <td>Spr 07</td> <td>-2</td> <td>+2</td> <td>-5</td> <td>-5.8</td> </tr> </tbody> </table> <p>In 03-04 & 04-05 we used NAAEA numbers. In 05 & 07 the chair</p>		Asst	Asc	Full	all	03-04	+	-	+	+	04-05	-1.5	+\$1	-4	-2				data	change	Spr 05	-6.3	-2.6	-5.6	-3	Spr 07	-2	+2	-5	-5.8	We are doing better with Assistant and Associate Professors and worse with Full's. The net effect is that on average we are getting worse not better	Work with Dean Smith in an attempt to improve salaries so we can move closer to benchmark - a survey will be taken again in '09	Overall	3. Disting. Faculty	3.1	0	0	0
	Asst	Asc	Full	all																																				
03-04	+	-	+	+																																				
04-05	-1.5	+\$1	-4	-2																																				
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		surveyed benchmarks								
21. 24	(III - General Departmental) The Department will recruit and develop an outstanding and diverse faculty.	Retiring faculty will be replaced within six months of retirement or six months from the end of their post-retirement appointment. Riggins retired in August '04 his last year will be 06-07 - Jones' last year will be '07-08. Riggins ended post retirement Sept 07 and offer went out Sept 25, 07	Mather to Hu =12 months Riggins to? Jones to?	Propose overlap for "post-retirement" faculty. Urge eligible faculty to notify the department as early in their retirement process as possible so we can implement replacement strategies.	Overall	3. Disting. Faculty	3.2	0	0	0
22. 25	(III - General Departmental) We will enhance the national prominence and impact of research-based scholarship.	We will maintain active mentoring committees for all non-tenured faculty (at least two formal meetings per year)	Pushkarskaya, Saghalian, R Brown, Alison, Greg and Hu have active mentoring committees	Continue to learn how to make best use of mentoring committees	Overall	3. Disting. Faculty	3.2	0	0	0
23. 27	(IV - CES) Provide educational programs and serve the off-campus needs of the citizens of the Commonwealth of Kentucky with research-based efforts in the areas of economic and social choices; Address traditional education needs while expanding efforts in community economic development, emerging agricultural enterprises, value added marketing and alternative marketing methods; Continue educational programs and research collaboration with other such units in UK as Biosystems and Agricultural Engineering, Horticulture, Animal Science, The Medical Center and the Center for Cooperative Development.	Attract \$100,000 per CES FTE. In 04-05 grants were no longer reported in a separate fashion so we went to self reporting. 04 = \$69,800 of primary \$1,406,130 of collaborative grants. This is \$8,600 of primary and \$220,500 of collaborative grants per CES FTE - 04-05 showed primary=\$248,791 & collaborative=\$1.8 mil; 05-06 \$745,941.00 primary (\$125,000/CES FTE) collaborative= \$259,400.00 total is \$1,005,341.00 (\$168,400/CES FTE) FTE=5.97	From our internal list of grants in the f'07 CES was managing \$849,000 that were obtained in '06-07 with 8.7 CES FTE = \$97,600/FTE of primary grants – collaborative #'s weren't available	Doing well - nearly made the \$100,00 without collaborative	Service	4. New Knowledge	1.1	0	0	0
24. 28	(IV - AES) Providing basic and applied knowledge for producers, consumers, and other private and public decision makers as they strive to design and	Publication of at least three refereed journal articles per research FTE. (Baseline 1997/98 was 4.46, 99/00 was 3.78, In 2001-02 we had 3 articles per FTE); 02-03=3.18 per AES FTE the first year of using the AES Annual Report for data. In 03-04 = 4.5 per	In '06-07 AES reports 6 refereed journal articles and 5 books or chapters 11/7.1=1.55 which is below our goal	THE DECLINING TREND CONTINUED and we fell below our goal of 3.	Track to make sure this level of output is abnormal	4. New Knowledge	1.1	0	0	0

	implement strategies, programs and policies.	AES FTE; 04-05 are 4 & 18 with 6 AES FTE for 3.7/AES FTE '05-06=20/6.52 FTE or 3.07/AES FTE (AES reports 8.4 AES FTE or 2.4 pubs per AES FTE).	of 3.							
25. 29	(IV - AES) Providing basic and applied knowledge for producers, consumers, and other private and public decision makers as they strive to design and implement strategies, programs and policies.	Our goal is \$25,000 of grants per AES FTE per year. Using 5.7 AES FTE our primary and collaborative grant rate is as follows; 99-00=\$104,912 & \$180,120; 00-01=\$109,298 & \$514,471; 01-02=\$31,754 & \$582,669; 02-03=\$34,168 & \$500,896; 03-04=\$169,300 prim & \$1,379,100 collab or \$26,500 & \$216,200/AES FTE; 04-05=\$461,828 (\$76,971/FTE) & \$2,945,129 \$498,855/AES FTE. '05-06 = \$438,118(\$67,192/AES FTE) & \$3,297,663(\$505,800/FTE) (AES reports direct=\$939,044 or ~\$112T/AES FTE & \$3.8 Mil collaborative or \$451T/AES FTE)	AES reports '06-07 primary grants to be \$2.137 million for 7.1 AES FTE, or \$301,000/FTE	Doing very well relative to our modest goal. Continue to reassess grant goals each year.	Research	4. New Knowledge	1.1	0	0	0
26. 30	(V - General Departmental) Sustain an institutional climate wherein differences are valued.	30% of faculty should participate in some international experience each year. (6-7/year); HISTORY-In '03-04 we had 8 faculty who worked on some international project. 04-05=15/22 or 65%. 05-06 10/22 or 45% of our faculty participated	In '06-07 14/25 faculty participated in 57 international experience or 56%	Keep encouraging efficient internationalism, rather than long-term assignments.	Overall	5. Nurture Diversity	6.1	0	0	0
27. 31	(V- General Departmental) The Department will recruit and develop an outstanding and diverse faculty.	Maintain or increase the ethnic and gender diversity of faculty. We will strive to stay at or above one African American and two female faculty members	In '04 we added the second female faculty member to our department so we doubled in that measure. In '05 we interviewed 2 females, 1 turned us down, and 1 was not qualified. We interviewed 1 female of 3 applicants for the CED position during Oct '05 and Hired Alison Reum and in May'05 Mary Marchant left. In in '06 we hired Jill Stowe for the equine positions to start January '08. We have an offer to Brenda Boetel for Crop Marketing	Each search committee meets with Dean Smith relative to this goal and the Chair will insist that qualified female and minority candidates be included in the interview pool.	Overall	5. Nurture Diversity	5.1	0	0	0

				Extension						
28. 32	(V - General Departmental) Provide a graduate program which attracts and educates students in theoretical and applied economic concepts. We stress the use of analytical tools to solve problems related to agricultural resources, food and fiber industries, and rural economics in the U.S. and internationally. The Department will sustain an institutional climate wherein differences are valued.	Attract and maintain a minority graduate student enrollment that is equal to or greater than the UK average. UK's minority enrollment is 7.8%. Minority enrollment for Fall 01-02 was 6.8%. For '03=7.7%. The department housed the office for the Assistant Dean for Diversity beginning in 2003. Continue efforts to recruit and retain minority students and faculty working closely with the Assistant Dean of Diversity's office.	In 03-04 we had 3/43 = 7% minority. In '04-05 we were 4/48 8.3%, IN 05-06 AES reports 4/40 or 10% but our own numbers show 1/46 OR 2.2%. We have zero in the fall of '07!	We are no longer meeting our goal -The Departmental Diversity Committee was appointed in '05 and will be working ON THIS PROBLEM IN 07-08	Instructional	5. Nurture Diversity	5.1	0	0	0
29. 33	(V - BS) Increase the ethnic and global diversity of the Department's student body. The Department will sustain an institutional climate wherein differences are valued.	Our '03-04 goal will be to maintain African American enrollment at or above the 6.6% figure representing the current share of the State's population rather than the lower University population of 3.1%, our previous goal (the University's minority number). In 02-03 the # was 16; F'04 15/179 African American or 8.4%; '04-05 11/171 or 6.4%	In 05-06 9/198 - 4.5% (AES reports agrees), in 06-07 we are at 9/190 or 4.74%: growing but still not at 6.6%	We fell even further below our goal. We will continue to recruit & work with the departmental diversity committee	Instructional	5. Nurture Diversity	5.1	0	0	0
30. 34	(V - BS) Sustain an institutional climate wherein differences are valued	Maintain foreign undergraduate enrollment of 2% In 03-04 we had 1 international student out of a total of 200, or 0.5% . 04-05=1/171 or 0.6%	05-06= 0/198 0% & in 06-07 2/190 or 1% international undergraduates – better but still not at 2%	Work with Mike Reed to increase our international undergraduate enrollment.	Instructional	5. Nurture Diversity	5.1	0	0	0
31. 35	(V - BS) Sustain an institutional climate wherein differences are valued	10% of students should take advantage of an international academic experience during their undergraduate career; In 03-04 we had 3 international undergraduate experiences or 1.5% who. 04-05 =3/60 who graduated or 5%. In '05-06 4/79 or 5% had an International experience	In '06-07 5% had an international experience	Develop a plan to get more undergraduates involved internationally. We've been stuck on 5% for three years	Instructional	5. Nurture Diversity	5.1	0	0	0
32. 36	(V - BS) Provide undergraduate education to citizens of the commonwealth, nation and world. The Department will sustain an institutional climate wherein differences are valued.	Our goal for 03-04 will be 30% female enrollment by the Fall of '04. and 33% by the Fall of '06. Keep recruiting females to the undergraduate program to at least maintain 22% female population. Female enrollment 10-1-02 is 22%. It was less than 20% in 2001. In 2003 our female enrollment was 28%; 40 females in '03-04 of 179 or 22%; '04-05 females were 35/171 =20.5%. Females for 05-06= 39/198 or 20% (AES agrees) &	06-07 40/190 = 21% - Not good!	We have plateaued but at too low a level. A plan of action developed in the 06-07 year must be implemented. Includes selective recruiting trips and closer working relationship with	Instructional	5. Nurture Diversity	5.1	0	0	0

				other college's advisors across campus.						
33. 37	(VI - CES) Provide educational programs and serve the off-campus needs of the citizens of the Commonwealth of Kentucky with research-based efforts in the areas of economic and social choices. Address traditional education needs while expanding efforts in community economic development, emerging agricultural enterprises, value added marketing and alternative marketing methods.	Make one presentation at a professional society or regional meeting per CES FTE year. In 03-04 we presented 24 times at professional societies or regional meetings or 2.97 per FTE. 04-05 =19 with 6.5FTE=2.93 per FTE. 05-06= 16 with 5.97 CES FTE or 2.7 per.	'06-07 = 22/8.7 or 2.5 per CES FTE	We surpassed our goal. Keep monitoring	Service	6. Quality of Life	6.1	0	0	0
34. 38	(VI - CES) Provide educational programs and serve the off-campus needs of the Commonwealth with research-based efforts in the areas of economic and social choices. Address traditional education needs while expanding efforts in community economic development, emerging agricultural enterprises, value added marketing and alternative marketing methods. Continue educational programs and research collaboration with other such units at UK like Biosystems and Agricultural Engineering, Horticulture, Animal Science, the Medical Center and the Center for Cooperative Development.	Publish one refereed journal article per CES FTE per year. HISTORY; In 03-04 CES published 9 refereed journal articles or 1.12 per FTE 04-05=2 or ~.25 per FTE; Fell far below goal. 05-06=4/5.97 CES FTE or .67 per CES FTE still below goal	According to the CA '06 annual report dated July 2007 we had zero refereed journal articles from CES faculty	Address this issue to the Department's CES committee	Service	6. Quality of Life	6.1	0	0	0
35. 39	(VI - CES) Fully implement the recommendations of the 2003 KFBM Futuring Committee & the 2006 External Review Report. The Department will advance sustainable	KFBM will publish an annual summary and 3 Cost & Returns publications each year. In '03-04 KFBM specialists published an annual summary and have completed 5 costs and return summaries. In '04-05 KFBM published an annual summary and 5 cost and return studies. In 05-06	We published the '06 annual summary, the '06 family living study, one hog enterprise study and one crop enterprise study.	We are meeting the number goal but we will continue to strive for timely publications of reports	Service	6. Quality of Life	6.6	0	0	0

	agricultural, food and natural resource systems.	KFBM published the '04 Annual Summary, 1 hog enterprise study and 8 family living studies)								
36. 40	(VI - CES) KFBM will fully implement the recommendations of the 2003 KFBM Futuring Committee.	Specialists will carry an appropriate number of cooperators, publish one State newsletter article per Specialist per year and make 4 Extension presentations to non-cooperators each year. Have met and far exceeded these goals since '03-04 except for Purchase membership. '04-05 is the same as last year. '05-06 surpassed all goals but are behind on Purchase area members	Cooperator load "more" balanced ranging from 28-58 but with further temporary balancing. 12 news articles in 3 different newsletters'. Every specialist was represented. Purchase membership has increased due to some switching from Pennyroyal. Pennyroyal voted to merge with Purchase. Because of member growth Purchase is going to wait a year.	Continue moving to balance as delegated by the State Board in July 2007	Service	6. Quality of Life	6.6	0	0	0

Annual Review Report 2007-2008

Area: Provost	College/Unit: College of Agriculture
Department: Agricultural Economics	Degree: N/A
Data Entry: Lynn Robbins	Approver:
Unit Mission: To serve the Commonwealth of Kentucky by providing knowledge and information that will assist in solving social and economic issues and problems related to agriculture, resources, food and fiber industries and rural economies important to the state, region and international community. This will be accomplished through research, resident instruction, and extension.	

Unit Goals and Specific Strategies

Obj. #	Unit Goals and Specific Strategies	Assessment Methods, Criteria and Timelines	Results of Assessments	Use of Results to Improve	Relationship to UK Strategic Plan:					
					UK Mission	UK Goal	UK Measure of Progress			
01	(I - BS) 2. The Department will recruit and graduate students who become outstanding leaders and scholars for our state and nation. The Department will provide a rigorous learning environment that is conducive to success and prepares graduates to deal with global issues	At least two undergraduate or graduate papers, theses, or dissertations submitted for consideration in regional or national competition each year None were submitted in 03-04. 2 were submitted in 04-05, 4 were submitted in 05-06 (Jianqiang Hao's dissertation won the SAEA award in February '06) In 2006-07 we nominated 2 MS & 2 PhD to AAEA & SAEA	07-08 = 1 thesis & 1 dissertation	Continue our effort to nominate student papers.	Overall	Enhance Stature	13	0	0	0
02	(II- MS) Increase the quality of the students enrolled in the M.S. program. - The Department will recruit and retain students with the highest academic and professional potential	Selectivity (% admitted from applications) Our goal was set keep it below 40%. Our selectivity #'s for F'99 - F'04 were 39%, 66%, 40%, 64% & 47%. Economics' comparative numbers, excluding F'04 were 65%, 21%, 26%, 40% - In 04-05 ours was 8/20=40% - '05-06 = 11/20 or 55%., 06-07 = 39%	For 07-08 = 48%	We slipped above 40%, so our goal was not met in '07-08 - the Graduate Committee and new DGS will work to become more selective	Overall	Enhance Stature	13	0	0	0
03	(II - MS) Continue to enhance recruitment of M.S. students, particularly outstanding students from other institutions as well as our own undergraduate program. - The Department will recruit and retain students with the highest academic and professional potential.	Yield (% that show up of those admitted). Our yield for F'99- F'04 was 38%, 48%, 27%, 24% & 39%. Economics #'s were 29%, 29%, 15% & 14% Our goal was set at getting above 50%. In 04-05 6 of the 8 we admitted arrived = 75%; '05-06 5/11 45%. 06-07 = 89% our best year yet	07-08 = 75% a drop but still above our goal for the 2nd year in a row	We finally made it.	Overall	Enhance Stature	13	0	0	0

04	(II - MS) Increase the quality of the students enrolled in the M.S. program. - The Department will recruit and retain students with the highest academic and professional potential.	Goal for average 3-part GRE score for incoming class of 1500. F'00-1375, F'01-1420, F'02 -1447.5, F'03-1795, F'04-1517, F'05 = 1478//IN 04-05 WE DECIDED TO MOVE TO THE 2-PART SCORES (VERBAL+ QUATATIVE, no longer analytical) FOR '05-06 MAKING THE NEW GOAL = 1052 the mean score for social sciences. In 05-06 5 students GRE's average = 1158 In 06-07 = 988	In 07-08 GRE average = 983. We were below our goal for the 2nd year in a row	Stayed below- we will continue to monitor in comparison to the selectivity goal WILL GO TO A THREE YEAR MOVING AVERAGE ONCE WE HAVE DATA FROM THE NEW SCORES ESTABLISHED	Instructional	Prepare Students	13	0	0	0
05	(II - BS) Increase the undergraduate graduation rate. Maintain 75% 5-year graduation rate or better for entering Freshmen & transfer students- The Department will provide a rigorous learning environment that is conducive to success and prepares graduates to deal with global issues.	'01-02=75%, '02-03=73%, '03-04=68%, '04-05=75% freshman, 67% transfers, '05-06=67% & 60% , in '06-07 7/13 freshman or 54% graduated in 5 years and 21/38 transfers or 54%. 06-07 = 100% freshmen, 43% transfers; 54% combined	We are off for the transfers.	Keep working toward goal of 75%. Changes in BS curriculum have apparently started weeding those who transfer (1/3 b'school & 1/3 other majors)	Instructional	Prepare Students	4	0	0	0
06	(II - MS) Increase the academic performance and achievement of M.S. students. - The Department will provide a rigorous learning environment that is conducive to success and prepares graduates to deal with global issues.	At least 50% of M.S. students should have a paper or poster by the time they graduate. 56% (9/16) in 2001-02, 6/8 or 75%; 86% (6/7)-2002-03, 3/7 or 43% 03-04, 30%; in 04-05 30% had papers or posters. '05-06=3/7 or 43% - '06-07 3/9 or 33.3%	07-08 = 10/18 or 55%	We made it above 50% for the first time in 4 years. Keep emphasizing presentations.	Instructional	Prepare Students	13	0	0	0
07	(II - MS) Assure that our M.S. students move through the program in a timely manner. - The Department will provide a rigorous learning environment that is conducive to success and prepares graduates to deal with global issues.	75% of our full-time M.S students should finish in 2 years. Mean time to graduation was 2.9 years from 97-00 but includes people like Extension Associates. 03-04 04-05 05-06 06-07 07-08 6 7 5 5 2 8 10 7 9 5 75.0% 70.0% 71.4% 55.6% 40% 68.2% 75.0% 72.0% 65.4% 59%	07-08 = 10/18 or 55% In '07-08 2/5 40% so the new 3-year moving average is 59%	We will continue to work to get full-time MS students finished in 2 years. Keep tracking	Instructional	Prepare Students	13	0	0	0
08	(II - MS) Continue to get students involved in projects, especially their own research, very early. - The Department will provide a rigorous learning environment that is conducive to	50% of our full-time MS students will be employed in their own research after one semester and 100% after two semesters. F'03 12.5% in 1 semester & 25% in 2; F'04 25% in 1 & 80% in 2; F'05 20% in 1 & 40% in 2; F'06=12.5% in 1	'07-08 = 19% after 1 and 69% after 2	We will re-visit this goal in Graduate Committee & faculty meeting to determine action	Instructional	Prepare Students	13	0	0	0

	success and prepares graduates to deal with global issues.	& 25% in 2. F'07 = 4/7 or 57% in 1 and 4/5 or 80% in 2 semesters								
09	(II - MS) track placement. Our goal is simply to track institutional placement. We will also track successes relative to the students goals for placement. Monitoring will begin in January, 2003 so we'll have a base point for next year. - The Department will provide a rigorous learning environment that is conducive to success and prepares graduates to deal with global issues.	Track those who are employed in a university, government, private sector, those who return to home country position and those who are under or unemployed. Our 7 03-04 MS graduates are employed as follows: 1 Grad School, 2 private sector, 1 university, 1 home country, 1 state government & 1 seeking employment. The 7th is not actively seeking employment at this time.(86% employed). The 04-05 #'s are Univ-0, Gov-3, private - 1, home country-3, under/unemployed-3 (70% placement); 05-06= Univ-1, Gov-2, Private-1, home country-0, under/un=3(57% placement)	'06-07, 3/9 private sector, 1/9 home, 1/9 University =5/9 or 55.6% In '07-08 U=2, Gov=1, private sector = 1, home country = 1)- We made the 100%	Keep working toward 100% placement - the current situation is too low – the department chairs office will collect this information when graduate students check out keys in order to get a more accurate data	Instructional	Prepare Students	13	0	0	0
10	(II - BS) We will collect information from seniors about their experience at UK. Do analysis of exit interviews to determine variables that affect transfer graduation rate. The Department will seek to offer the full scope of learning opportunities for all of it's fields of study with access to advanced degrees, distance learning and continuing education.	We will obtain an exit interview from at least 50% of our seniors. 4 of 36 potential December '03 graduates completed surveys and 7 of 41 May'04 graduates a 15% response rate. We reached 57% in '04-05. 24/79 '05-06 (Dec, May & Aug)or 30%	By urging seniors in AEC320 & 422 to submit surveys we reached 57% in '04-05 but the same approach only yielded 30% in '05-06 (only 4 of 24 Dec graduates responded!) 24/56 or 43% of those graduating in 06-07 were surveyed. 07-08= 37/71= 52%	Keep working through senior level classes to stay above 50%	Instructional	Prepare Students	4	0	0	0
11	(II - MS) Maintain the number of students enrolled in the M.S. program. - The Department will seek to offer the full scope of learning opportunities for all of it's fields of study with access to advanced degrees, distance learning and continuing	Maintain MS student number at 25 while recruiting both high quality in- and out-of-state prospects. F'00 was 18, 01=25, 02 = 28, F' 03= 24,F'04=25, F'05=20, . F'06=20 (AES reports 17 for 05-06) , F'07 = 18	Falling short of our MS # goal	We are keeping below our max goal	Instructional	Prepare Students	13	0	0	0

	education.									
12	(II - PhD) Increase the quality of the students enrolled in the Ph.D program. - The Department will attract highly qualified doctoral students and postdoctoral scholars.	Keep the average GRE score for the incoming class at 1600 (total of three sections). The average 2000-01 GRE=1696, 2001-02=1783, 2002-03=1960, F'03=1875 USED CONVERSION RATE FOR Analytical scores starting '03; F'04=1728; F'05=1615 but will go to 2-score (verbal + Quant) for 05-06 SET NEW GOAL ABOVE MEAN FOR SOC SCI=1052 BEGINNING F'06- SCORE BASE WILL CHANGE IN .07! 2 students reporting for F'06 & 1 took GMAT ave was 925! 07 the average was 1,114- so we met the goal	In 07-08 =1163 beat goal	Keep watching - WILL GO TO A THREE YEAR MOVING AVERAGE ONCE WE HAVE DATA FROM THE NEW SCORES ESTABLISHED	Instructional	Prepare Students	13	0	0	0
13	(II - PhD) Increase the quality of the students enrolled in the Ph.D program. - The Department will attract highly qualified doctoral students and postdoctoral scholars.	Our PhD selectivity goal is below 50%. Our PhD selectivity for F'99-F'04 were 59%, 58%, 48.5%, 62% & 43% while Economics were 58%, 42%, 57% & 48% for 99-03- Ours for '04-05=38%, '05-06=20% In '06-07 = 41%	07-08 = 33%	We met our goal for 2 year sin a row	Instructional	Prepare Students	6	0	0	0
14	(II - PhD) Increase the quality of the students enrolled in the Ph.D program. - The Department will attract highly qualified doctoral students and postdoctoral scholars	Our PhD yield goal will be above 25% (% that show up of those admitted). Our PhD yields for F'99 through F'04 were 23%, 38%, 25%, 24% and 22%. By comparison Economics for 99-03 were 31%, 17%, 20% & 16%: 04-05=8/9or89% '05-06 was 3/5 =60% & '06-07 it was 71%	In 07-08 = 57%, doing well even with much restricted budgets, but we have a strong downturn	We met our goal for 2 year sin a row Continue monitoring	Instructional	Prepare Students	6	0	0	0
15	(II - PhD) Enhance the PhD students productivity and marketability by having them do presentations at professional meetings and submit papers to refereed journals. - Strive for continued improvement in both the quality and quantity of research productivity.	100% PhD. students should have a presentation at a professional meeting before they graduate, 50% should have a refereed publication and 100% have a publication in review before they graduate. In '01 3 had a presentation before they left & 3 published. In '02-03 we graduated no PhD students. 4 finished 03-04 and all had presentations before they graduated; 4 finished 04-05 = 75% presentations & 50% publications. 05-06=4/5 or 80% presented & 40% were published '06-07 2/3 presented 66.7% and 1/3 published	07-08=100%	Continue tracking. Push the presentations as an important and easier goal to attain	Instructional	Prepare Students	15	0	0	0

		33.3%								
16	(II - PhD) Assure that our PhD students move through the program in a timely manner - Strive for continued improvement in both the quality and quantity of research productivity.	Eighty percent of our PhD students should graduate from the program within four years. In '00-01, neither of our two graduated PhD students completed requirements within 4 years - as of 10-1-02 2/3 PhD students completed requirements within 4 years. We did not graduate a PhD student in the 02-03 school year. 03-04 two of 4, 50% graduated in four years-two took 4.5 years; 04-05 50% graduated in 4 years. 05-06 1/5 who graduated did so in 4 years '06-07 2/3 or 66.7%	07-08 = 75%	The Graduate Committee will work with major professors to enhance this rate to meet or revise our goal.	Instructional	Prepare Students	6	0	0	0
17	(II - PhD) Assure that our PhD students move through the program in a timely manner. Strive for continued improvement in both the quality and quantity of research productivity.	Our PhD's should be candidates (finished the agriculture qualifying exam) 30 months into the program. In 03-04 3 PhDs out of ~5 (60%) who had been here over 30 months were candidates by the 30 month goal. 04-05 = 50%. '05-06 2/4 = 50% '06-07 3/5 = 60%	07-08=25%	Work to get this to be 100%. We are finally not as shorthanded IN THE RESEARCH FACULTY SIDE OF THINGS One position filled and we will be at 100%	Instructional	Prepare Students	6	0	0	0
18	(II - PhD) Track placement - Our goal is simply to track institutional placement. We will also track successes relative to the students goals for placement. Monitoring will begin in January, 2003 so we'll have a base point for next year. Strive for continued improvement in both the quality and quantity of research productivity.	Track those who are employed in a university, government, private sector, those who return to home a country position and those who are under or unemployed; 03-04 2/4 went to private industry, 1 post doc and 1 in public sector (100%)- 04-05, Univ=1, Gov=1 private sec=1, home country=1, under/unemployed=0 (100%). '05-06 = 1/5 Gov, 2-Private, 2 Home country (100%) '06-07, 1/3 in University, 1 in the private sector and 1 at home = 100%	07-08 = 2U & 2 private sector	doing well keep tracking	Instructional	Prepare Students	6	0	0	0
19	(II - PhD) Continue to get students involved in projects, especially their own research, very early. Provide a graduate program which attracts and educates students in theoretical and applied economic concepts. We stress the use of	Make sure that each PhD student (100%) has a research project with a professor within first 6-12 months. Fall '00 = 10.5 months, '01=18.3, '02= 16, Fall '03 = ~14. In 03-04, 3/4 75%. 04-05=51%. F'06 2/3 = 67% F'07 2/4 = 50%	F'08=71%	Keep pushing to have all PhD's on a research project in the first year.	Instructional	Prepare Students	6	0	0	0

	analytical tools to solve problems related to agricultural resources, food and fiber industries, and rural economics in the U.S. and internationally. Strive for continued improvement in both the quality and quantity of research productivity.									
20	(III - General Departmental) The Department will recruit and develop an outstanding and diverse faculty.	Decreased by half the disparity between average salary and UK's benchmarks for all professorial categories Asst Asc Full all 03-04 + - + + 04-05 -1.5 +\$1 -4 -2 data change Spr 05 - 6.3 -2.6 -5.6 -3 Spr 07 -2 +2 -5 -5.8 In 03-04 & 04-05 we used NAAEA numbers. In 05 & 07 the chair surveyed benchmarks	We are doing better with Assistant and Associate Professors and worse with Full's. The net effect is that on average we are getting worse not better	Work with Dean Smith in an attempt to improve salaries so we can move closer to benchmark - a survey will be taken again in '09 - we are apparently closer to benchmarks than other CA departments	Overall	Enhance Stature	11	18	0	0
21	(III - General Departmental) The Department will recruit and develop an outstanding and diverse faculty.	Retiring faculty will be replaced within six months of retirement or six months from the end of their post-retirement appointment. Riggins retired in August '04 his last year will be '06-07 - Jones' last year will be '07-08. Riggins ended post retirement Sept 07 and offer went out Sept 25, 07	Mather to Hu =12 months Riggins to Walters= 12 months Jones (position eliminated) Trimble (position eliminated)	Propose overlap for "post-retirement" faculty. Urge eligible faculty to notify the department as early in their retirement process as possible so we can implement replacement strategies.	Overall	Enhance Stature	8	0	0	0
22	(III - General Departmental) We will enhance the national prominence and impact of research-based scholarship.	We will maintain active mentoring committees for all non-tenured faculty (at least two formal meetings per year)	Pushkarskaya, R Brown, Davis, Halich, Hu, Stowe and Katchova have active mentoring committees	Continue to learn how to make best use of mentoring committees	Overall	Expand Research	16	17	0	0
23	(IV - CES) Provide educational programs and serve the off-campus needs of the citizens of the Commonwealth of Kentucky with research-based efforts in the areas of economic and social choices; Address	Attract \$100,000 per CES FTE. In 04-05 grants were no longer reported in a separate fashion so we went to self reporting. 04 = \$69,800 of primary \$1,406,130 of collaborative grants. This is \$8,600 of primary and \$220,500 of collaborative grants per CES FTE - 04-05	From our internal list of grants in the '07 CES was managing \$849,000 that were obtained in '06-07 with 8.7 CES FTE	Doing well - made \$146,566 in just primary grants not even counting collaborative	Service	Expand Research	16	17	0	0

	traditional education needs while expanding efforts in community economic development, emerging agricultural enterprises, value added marketing and alternative marketing methods; Continue educational programs and research collaboration with other such units in UK as Biosystems and Agricultural Engineering, Horticulture, Animal Science, The Medical Center and the Center for Cooperative Development.	showed primary=\$248,791 & collaborative=\$1.8 mil; 05-06 \$745,941.00 primary (\$125,000/CES FTE) collaborative= \$259,400.00 total is \$1,005,341.00 (\$168,400/CES FTE) FTE=5.97	= \$97,600/FTE of primary grants – collaborative #'s weren't available. F08 \$1,070,000 over 7.3 CES FTE or \$146,566 per FTE							
24	(IV - AES) Providing basic and applied knowledge for producers, consumers, and other private and public decision makers as they strive to design and implement strategies, programs and policies.	Publication of at least three refereed journal articles per research FTE. (Baseline 1997/98 was 4.46, 99/00 was 3.78, In 2001-02 we had 3 articles per FTE); '02-03=3.18 per AES FTE the first year of using the AES Annual Report for data. In 03-04 = 4.5 per AES FTE; 04-05 are 4 & 18 with 6 AES FTE for 3.7/AES FTE '05-06= 20/6.52 FTE or 3.07/AES FTE (AES reports 8.4 AES FTE or 2.4 pubs per AES FTE).	In '06-07 AES reports 6 refereed journal articles and 5 books or chapters 11/7.1=1.55 which is below our goal of 3. In '07-08 AES reports 22 journal articles and 1 Book chapter. With 8.3 AES FTE that is 2.65 per AES FTE, which is moving back toward our goal but we still are not there.	we fell below our goal of 3, but are improving and expect to be above three in 08-09.	Service	Expand Research	15	0	0	0
25	(IV - AES) Providing basic and applied knowledge for producers, consumers, and other private and public decision makers as they strive to design and implement strategies, programs and policies.	Our goal is \$25,000 (but will be \$100,000 in '08-09) of grants per AES FTE per year. Using 5.7 AES FTE our primary and collaborative grant rate is as follows; 99-00=\$104,912 & \$180,120; 00-01=\$109,298 & \$514,471; 01-02=\$31,754 & \$582,669; 02-03=\$34,168 & \$500,896; '03-04=\$169,300 prim & \$1,379,100 collab or \$26,500 & \$216,200/AES FTE; '04-05=\$461,828 (\$76,971/FTE) & \$2,945,129	'07 primary grants to be \$2.137 million for 7.1 AES FTE, or \$301,000/FTE. '08 our primary grants were \$510,644 with 6.19 FTE or \$82,495 per AES FTE.	Did well relative to our modest goal. Increase our goal for 2008-09 to \$100,000.	Research	Expand Research	15	0	0	0

		\$498,855/AES FTE. '05-06 = \$438,118 (\$67,192/AES FTE) & \$3,297,663 (\$505,800/FTE) (AES reports direct=\$939,044 or ~\$112T/AES FTE & \$3.8 Mil collaborative or \$451T/AES FTE)								
26	(V - General Departmental) Sustain an institutional climate wherein differences are valued.	30% of faculty should participate in some international experience each year. (6-7/year); HISTORY-In '03-04 we had 8 faculty who worked on some international project. 04-05=15/22 or 65%. 05-06 10/22 or 45% of our faculty participated. In '06-07 14/25 faculty participated in 57 international experience or 56%	In 07-08 12/26 or 46% of our faculty did 44 international experiences	Keep encouraging efficient internationalism, rather than long-term assignments.	Overall	Nurture Diversity	5	16	0	0
27	(V - General Departmental) The Department will recruit and develop an outstanding and diverse faculty.	Maintain or increase the ethnic and gender diversity of faculty. We will strive to stay at or above one African American and two female faculty members	In '04, we added a second female faculty member Oct '05 and hired Alison Davis and in May '05 Mary Marchant left. Jill Stowe started the equine position in July '08. We hired Ani Katchova who started in July '08	F'08 we have four female faculty members but just one African American Each search committee meets with Dean Smith or his representative relative to this goal and the Chair insists that qualified female and minority candidates be included in the interview pool.	Overall	Nurture Diversity	9	0	0	0
28	(V - General Departmental) Provide a graduate program which attracts and educates students in theoretical and applied economic concepts. We stress the use of analytical tools to solve problems related to agricultural resources, food and fiber industries, and rural economics in the U.S. and internationally. The Department will sustain an institutional climate wherein differences are valued.	Attract and maintain a minority graduate student enrollment that is equal to or greater than the UK average. UK's minority enrollment is 7.8%. Minority enrollment for Fall 01-02 was 6.8%. For '03=7.7%. The department housed the office for the Assistant Dean for Diversity beginning in 2003. Continue efforts to recruit and retain minority students and faculty working closely with the Assistant Dean of Diversity's office. In 03-04 we had 3/43 = 7% minority. In '04-05 we were 4/48 8.3%, IN 05-06 AES reports 4/40 or 10% but	08 =3%	We are no longer meeting our goal 2nd year in a row -The Departmental Diversity Committee was appointed in '05 and will be working ON THIS PROBLEM IN 07-08	Instructional	Nurture Diversity	9	0	0	0

		our own numbers show 1/46 OR 2.2%. We have zero in the fall of '07!								
29	(V - BS) Increase the ethnic and global diversity of the Department's student body. The Department will sustain an institutional climate wherein differences are valued.	Our '03-04 goal will be to maintain African American enrollment at or above the 6.6% figure representing the current share of the State's population rather than the lower University population of 3.1%, our previous goal (the University's minority number). In 02-03 the # was 16; F'04 15/179 African American or 8.4%; '04-05 11/171 or 6.4%	In 05-06 9/198 - 4.5% (AES reports agrees), in 06-07 we are at 9/190 or 4.74%: growing but still not at 6.6% -Finally f'08 we achieved 19/186 = 10.22% African American and 12.37% minority	We will continue to recruit & work with the College diversity office to keep these number up	Instructional	Nurture Diversity	7	0	0	0
30	(V - BS) Sustain an institutional climate wherein differences are valued	Maintain foreign undergraduate enrollment of 2% In 03-04 we had 1 international student out of a total of 200, or 0.5% . 04-05=1/171 or 0.6% 05-06= 0/198 0% & in 06-07 2/190 or 1% international undergraduates – better but still not at 2%	F'08=0%	Work with Mike Reed to increase our international undergraduate enrollment.	Instructional	Nurture Diversity	5	0	0	0
31	(V - BS) Sustain an institutional climate wherein differences are valued	10% of students should take advantage of an international academic experience during their undergraduate career; In 03-04 we had 3 international undergraduate experiences or 1.5% who. 04-05 =3/60 who graduated or 5%. In '05-06 4/79 or 5% had an International experience In '06-07 5% had an international experience	07-08=0.5%	Develop a plan to get more undergraduates involved internationally. We've been stuck on 5% for three years	Instructional	Nurture Diversity	5	0	0	0
32	(V - BS) Provide undergraduate education to citizens of the commonwealth, nation and world. The Department will sustain an institutional climate wherein differences are valued.	Our goal for 03-04 will be 30% female enrollment by the Fall of '04. and 33% by the Fall of '06. Keep recruiting females to the undergraduate program to at least maintain 22% female population. Female enrollment 10-1-02 is 22%. It was less than 20% in 2001. In 2003 our female enrollment was 28%; 40 females in '03-04 of 179 or 22%; '04-05 females were 35/171 =20.5%. Females for 05-06= 39/198 or 20% (AES agrees) &	06-07 40/190 = 21% - Not good! Fall 08 we are at 22.1% female. We have plateaued but at too low a level. A plan of action developed in the 06-07 year was not successful. It included selective	We will develop a departmental diversity committee to develop a new plan to attract female undergraduates	Instructional	Nurture Diversity	13	0	0	0

			recruiting trips and closer working relationship with other college's advisors across campus.							
33	(VI - CES) Provide educational programs and serve the off-campus needs of the citizens of the Commonwealth of Kentucky with research-based efforts in the areas of economic and social choices. Address traditional education needs while expanding efforts in community economic development, emerging agricultural enterprises, value added marketing and alternative marketing methods.	Make one presentation at a professional society or regional meeting per CES FTE year. In 03-04 we presented 24 times at professional societies or regional meetings or 2.97 per FTE. 04-05 =19 with 6.5FTE=2.93 per FTE. 05-06=16 with 5.97 CES FTE or 2.7 per. '06-07 = 22/8.7 or 2.5 per CES FTE	In 07-08 =25/8.4 or 10 per CES FTE	We surpassed our goal. Keep monitoring	Service	Quality of Life	13	15	16	17
34	(VI - CES) Provide educational programs and serve the off-campus needs of the Commonwealth with research-based efforts in the areas of economic and social choices. Address traditional education needs while expanding efforts in community economic development, emerging agricultural enterprises, value added marketing and alternative marketing methods. Continue educational programs and research collaboration with other such units at UK like Biosystems and Agricultural Engineering, Horticulture, Animal Science, the Medical Center and the Center for Cooperative Development.	Publish one refereed journal article per CES FTE per year. HISTORY; In 03-04 CES published 9 refereed journal articles or 1.12 per FTE 04-05=2 or ~.25 per FTE; Fell far below goal. 05-06=4/5.97 CES FTE or .67 per CES FTE still below goal. According to the CA '06 annual report dated July 2007 we had zero refereed journal articles from CES faculty	Again no Refereed articles from CES in '07-08	Address this issue to the Department's CES committee	Service	Expand Research	13	15	16	17
35	(VI - CES) Fully implement the	KFBM will publish the annual summary and 3 Cost & Returns	'07 '06 annual summary, 1	We didn't make the basic	Service	Quality of Life	13	15	16	17

	recommendations of the 2003 KFBM Futuring Committee & the 2006 External Review Report. The Department will advance sustainable agricultural, food and natural resource systems.	publications each year. In '03-04 the annual summary & 5 costs and return summaries. '04-'05 the annual summary and 5 cost and returns. 05-06 - '04 Annual Summary, 1 hog enterprise study & 8 family living studies. '06 the annual summary, an '06 family living study, 1 hog enterprise study and 1 crop enterprise study.	family living & preliminary summaries	publication goal & we must continue to strive for timely publications of reports. Expectations are in year 2 of the Coordinator this will improve						
36	(VI - CES) KFBM will fully implement the recommendations of the 2003 KFBM Futuring Committee and the 2006 External Review Report.	Specialists will carry an appropriate number of cooperators, publish one State newsletter article per Specialist per year and make 4 Extension presentations to non-cooperators each year. Have met and far exceeded these goals since '03-04 except for Purchase membership. '04-05 is the same as last year. '05-06 surpassed all goals but are behind on Purchase area members. They wrote 12 news articles in 3 different newsletters'. Every specialist represented. Purchase membership at 31.	In '06-07, we averaged 37 cooperators with most not at 40 cooperators, but load balancing continues to "work". They wrote 16 news articles in two newsletters; at least 1 each.	Continue moving to balance as delegated by the State Board in July 2007, recruit new members and keep up the newsletter article output. We are exceeding the presentation rate.	Service	Quality of Life	16	17	0	0

Annual Review Report 2008-2009

Area: Provost	College/Unit: College of Agriculture
Department: Agricultural Economics	Degree: N/A
Data Entry: Lynn Robbins	Approver:
Unit Mission: To serve the Commonwealth of Kentucky by providing knowledge and information that will assist in solving social and economic issues and problems related to agriculture, resources, food and fiber industries and rural economies important to the state, region and international community. This will be accomplished through research, resident instruction, and extension.	

Unit Goals and Specific Strategies

Obj. #	Unit Goals and Specific Strategies	Assessment Methods, Criteria and Timelines	Results of Assessments	Use of Results to Improve	Relationship to UK Strategic Plan:					
					UK Mission	UK Goal	UK Measure of Progress			
01	(III - General Departmental)The Department will recruit and graduate students who become outstanding leaders and scholars for our state and nation. The Department will provide a rigorous learning environment that is conducive to success and prepares graduates to deal with global issues	At least two undergraduate or graduate papers, theses, or dissertations submitted for consideration in regional or national competition each year. dissertation were nominated	05-06=4 06-07=4 07-08=2 08-09=3	Met objective continue our effort to nominate student papers.	Overall	Enhance Stature	13	0	0	0
02	(II - MS) Continue to enhance recruitment of M.S. students, particularly outstanding students from other institutions as well as our own undergraduate program. - The Department will recruit and retain students with the highest academic and professional potential.	Our goal was set at getting above 50%. Yield (% that show up of those admitted).	06=45.5% 07=89.0% 08=75.0% 09=58.0%	We are staying above goal, but decreasing. Keep monitoring	Overall	Enhance Stature	13	0	0	0

03	(II - MS) Increase the quality of the students enrolled in the M.S. program. - The Department will recruit and retain students with the highest academic and professional potential.	Since 2004-05 we moved away from the 3-part scores to the 2-part scores (Just verbal + quantitative, no longer analytical). THE GOAL is now = 1052 (the mean score for social sciences).	06=1158, 07=98808=98309=1077 the last two 3-yr moving ave's=1043,1016	Scores surpassed goal, but three year moving average is still low - we will continue to monitor	Instructional	Prepare Students	13	0	0	0
04	(II - BS) Increase the undergraduate graduation rate. Maintain 75% 5-year graduation rate or better for entering Freshmen & transfer students- The Department will provide a rigorous learning environment that is conducive to success and prepares graduates to deal with global issues.	The rates reported by the Univ rates are used.	5-year fersh '07=53.85%, 08=100.00%, 09=100.00% -Transfer '07=55.26%, 08=43.00%, 09=43.00%; combined =54.90%, 54.00%, 54.00% respectively	Keep working toward goal of 75% for Transfer and overall. Keep the Freshman at or above 75%	Instructional	Prepare Students	4	0	0	0
05	(II - MS) Increase the academic performance and achievement of M.S. students. - The Department will provide a rigorous learning environment that is conducive to success and prepares graduates to deal with global issues.	At least 50% of M.S. students should have a paper or poster by the time they graduate.	In 2007=33.3%, '08=55.6%, 2009=37.5%	In 2008 we made it above 50% for the first time in 4 years then slipped below our goal in 2009. Re-emphasizing presentations, but with tight budgets it is harder to support students going to meetings to present.	Instructional	Prepare Students	13	0	0	0
06	(II - MS) Assure that our M.S. students move through the program in a timely manner. - The Department will provide a rigorous learning environment that is conducive to success and prepares graduates to deal with global issues.	75% of our full-time M. S. students should finish in 2 years.	2007=55.6%, 2008=40.0%, 2009=37.5% The 3-year moving averages are 65.4%, 57.1% & 44.4% respectively.	We will continue to work to get full-time MS students finished in 2 years. Keep tracking.	Instructional	Prepare Students	13	0	0	0

07	(II - MS) Continue to get students involved in projects, especially their own research, very early. - The Department will provide a rigorous learning environment that is conducive to success and prepares graduates to deal with global issues.	100% of our full-time MS students will be employed in their own research by the beginning of their 2nd year. We had 25%, 80% and 69% after 2 semesters in 2006, 2007 and 2008.	In 2006=25.0%, 2007=80.0%, 2008=69.0% No data was made available in 2009	We will re-visit this goal in Graduate Committee & faculty meeting to determine action	Instructional	Prepare Students	13	0	0	0
08	(II - MS) track placement. Our goal is simply to track institutional placement. We will also track successes relative to the students' goals for placement. Monitoring will begin in January 2003 so we will have a base point for next year. - The Department will provide a rigorous learning environment that is conducive to success and prepares graduates to deal with global issues.	Track those employed in a university, government, private sector, those who return to their home country position and those who are under or unemployed.	Placement 5's have been 55.56% for '07, 80.00% for '08 & 100.00% for '09	Keep working to keep 100% placement	Instructional	Prepare Students	13	0	0	0
09	(II - BS) We will collect information from seniors about their experience at UK. Do analysis of exit interviews to determine variables that affect transfer graduation rate. The Department will seek to offer the full scope of learning opportunities for all of it's fields of study with access to advanced degrees, distance learning and continuing education.	We will obtain an exit survey from at least 50% of our seniors.	We achieved 24/79 in '05-06 (Dec, May & Aug) or 30%. We reached 57% in '04-05 but went down to 30% in '05-06 (only 4 of 24 Dec graduates responded!) 24/56 or 43% of those graduating in 06-07 were surveyed. In 07-08= 37/71= 52% In 2008-09 = 22/45 or 49%	Keep working through senior level classes to stay above 50%	Instructional	Prepare Students	4	0	0	0
10	(II - MS) Maintain the number of students enrolled in the M.S. program. - The Department will seek to offer the full scope of learning opportunities for all of it's fields of study with access to advanced degrees,	Maintain MS student number at 25 or less but near 25 while recruiting both high quality in- and out-of-state prospects.	MS enrollment for the last three years is '07=20, '08=18 & '09=23	We are keeping below our max goal but approaching it	Instructional	Prepare Students	13	0	0	0

	distance learning and continuing education.									
11	(II - PhD) Increase the quality of the students enrolled in the Ph.D program. - The Department will attract highly qualified doctoral students and postdoctoral scholars.	Keep the average GRE score for the incoming class at ABOVE MEAN FOR SOC SCI=1052.	In 2007 the average was 1,114. In 2008 =1163 & 2009=1085 - the 3-year moving ave = 1121	We are ok	Instructional	Prepare Students	13	0	0	0
12	(II - PhD) Increase the quality of the students enrolled in the Ph.D program. - The Department will attract highly qualified doctoral students and postdoctoral scholars	Our PhD yield goal will be above 25% (% that show up of those admitted).	Our PhD Yield for 2007 = 71.0%, '08=57.0%, '09=85.7% the respective 3-year moving averages are 73.3%, 62.7% & 71.2%	We are meeting our goal	Instructional	Prepare Students	6	0	0	0
13	(II - PhD) Enhance the PhD students productivity and marketability by having them do presentations at professional meetings and submit papers to refereed journals. - Strive for continued improvement in both the quality and quantity of research productivity.	100% PhD. students should have a presentation at a professional meeting, publication submitted or published before they graduate.	In 2005-06=4/5 or 80% presented;2006-07 2/3 presented 66.7%; in 2007-08 100% presented: & 2008-09 100.0%	Continue tracking. Push the presentations as an important and easier goal to attain	Instructional	Prepare Students	15	0	0	0
14	(II - PhD) Assure that our PhD students move through the program in a timely manner. Strive for continued improvement in both the quality and quantity of research productivity.	Our PhD's should be candidates (finished the agriculture qualifying exam) 30 months into the program.	In 2005-06 2/4 = 50%, 2006-07 3/5 = 60% in 2007-08=25% and in 2008-09 = 3/5or 60%	Work to get this to be 100%. We are finally not as shorthanded IN THE RESEARCH FACULTY SIDE OF THINGS One position filled and we will be at 100%	Instructional	Prepare Students	6	0	0	0
15	(II - PhD) Track placement - Our goal is simply to track institutional placement. We will also track successes relative to the students goals for placement. Monitoring will begin in January, 2003 so we'll have a base point for next year. Strive for continued improvement in both the quality and quantity of research productivity.	Track those who are employed in a university, government, private sector, those who return to home a country position and those who are under or unemployed.	We continue at 100% for the past several years at 100% including 2009	doing well keep tracking	Instructional	Prepare Students	6	0	0	0

16	(II - PhD) Continue to get students involved in projects, especially their own research, very early. Provide a graduate program which attracts and educates students in theoretical and applied economic concepts. We stress the use of analytical tools to solve problems related to agricultural resources, food and fiber industries, and rural economics in the U.S. and internationally. Strive for continued improvement in both the quality and quantity of research productivity.	Make sure that each PhD student (100%) has a dissertation project with a professor by the end of the 2nd year.	Prior to 2009 we measured the # on some research in a year those numbers are as follows 2004-05=51%. F 2006 2/3 = 67% F 2007 2/4 = 50% & F'08=71%. We did not measure this metric in 2009	Either measure the metric and keep pushing to have all PhD's on a research project in the first year or delete the objective.	Instructional	Prepare Students	6	0	0	0
17	(III - General Departmental) The Department will recruit and develop an outstanding and diverse faculty.	Decreased by half the 2005 disparity between average salary and UK's benchmarks for all ranks (Asst Assoc Full. In 05, 07 & '09 the chair surveyed benchmarks. The rank by rank comparisons very widely from survey to survey as a function of the number and the experience in each rank.	In 2005 we were ahead of average respondents by almost \$1,400, but fell behind by \$5,800 in '07. In 2009 we were behind the average benchmark departments buy \$5,100, so we closed the gap despite a large impact by recieveing the first ever U of MD responce.	Work with Dean Smith in an attempt to improve salaries so we can move closer to benchmark - a survey will be taken again in '11 – we are apparently closer to benchmarks than other CA departments	Overall	Enhance Stature	11	18	0	0
18	(III - General Departmental) We will enhance the national prominence and impact of research-based scholarship.	We will maintain active mentoring committees for all non-tenured faculty (at least two formal meetings per year)	Pushkarskaya, , R Brown, Davis, Halich, Hu, Stowe and Katchova have active mentoring committees That = 's 100%	Continue to learn how to make best use of mentoring committees	Overall	Expand Research	16	17	0	0

19	(IV - CES) Provide educational programs and serve the off-campus needs of the citizens of the Commonwealth of Kentucky with research-based efforts in the areas of economic and social choices; Address traditional education needs while expanding efforts in community economic development, emerging agricultural enterprises, value added marketing and alternative marketing methods; Continue educational programs and research collaboration with other such units in UK as Biosystems and Agricultural Engineering, Horticulture, Animal Science, The Medical Center and the Center for Cooperative Development.	Attract \$100,000 per CES FTE. CES FTE or \$146,566 per FTE	In 2005-06 total was (\$168,400/CES FTE) FTE=5.97. From our internal list of grants in the f'07 CES was managing \$849,000 that were obtained in '06-07 with 8.7 CES FTE = \$97,600/FTE of primary grants. F'08 \$1,070,000 over 7.3 = \$146,600 per. F' 2009 = \$1,357,900.00/6.95 or \$195,381.29		Service	Expand Research	16	17	0	0
20	(IV - AES) Providing basic and applied knowledge for producers, consumers, and other private and public decision makers as they strive to design and implement strategies, programs and policies.	The goal is to publish at least three refereed journal articles per research FTE	In 2005-06 we reached 3.08, went down to 1.55 in 2006-07 and back up to 3.72 in 2007-08. For 2008-09 = 38.8.25 or 4.61	Keep going!	Service	Expand Research	15	0	0	0
21	(IV - AES) Providing basic and applied knowledge for producers, consumers, and other private and public decision makers as they strive to design and implement strategies, programs and policies.	Our goal is \$25,000 (but will be \$100,000 in '08-09) of grants per AES FTE per year.	In 2005-06 = \$112,000/AES FTE of Primary and \$451,000/AES FTE for Collaborative grants. 2007 primary grants were \$301,000/FTE. In addition, in 2008 our primary grants were \$510,644 with 6.19 FTE or \$82,495 per AES FTE. In '08-'09 we had \$250,000 per research FTE in total (\$58,000 prime & 192,000 collaborative)	We did well relative to our new goal of \$100,000 for total grants.	Research	Expand Research	15	0	0	0
22	(V - General Departmental) Sustain an institutional climate wherein differences are valued.	30% of faculty should participate in some	In 2008-09 9/27, 33% of our faculty did international experiences	Keep encouraging efficient internationalism, rather than long-term assignments.	Overall	Nurture Diversity	5	16	0	0

		international experience each year. (6-7/year); HISTORY-2005-06= , 2006-07= , 2007-08= 46%.								
23	(V - General Departmental) The Department will recruit and develop an outstanding and diverse faculty.	Maintain or increase the ethnic and gender diversity of faculty. We will strive to stay at or above one African American and two female faculty members	In 2004, we added a second female faculty, Helen Pushkarskaya. Mary Marchant left in May 2005. Alison Davis started in June 2006. Jill Stowe started July 2008. Ani Katchova started in July 2008.	F'08 we have four female faculty members but just one African American Each search committee meets with Dean Smith or his representative relative to this goal and the Chair insists that qualified female and minority candidates be included in the interview pool.	Overall	Nurture Diversity	9	0	0	0
24	(V - General Departmental) Provide a graduate program which attracts and educates students in theoretical and applied economic concepts. We stress the use of analytical tools to solve problems related to agricultural resources, food and fiber industries, and rural economics in the U.S. and internationally. The Department will sustain an institutional climate wherein differences are valued.	Attract and maintain a minority graduate student enrollment that is equal to or greater than the UK average.	In 2004-05, UK's minority enrollment is 7.8% so that is our minimum goal. Minority enrollment in AEC in 2004-05 was 4/48 8.3%. In 2005-06 AES reports 4/40 or 10% (but our own numbers show 1/46 OR 2.2%. We have zero in the fall of '07!) in 2008 = 3% - in 2009 =2%	We are still not meeting our goal for the 3rd year in a row -The Departmental Diversity Committee was appointed in '05 and will be working ON THIS PROBLEM IN 09-10	Instructional	Nurture Diversity	9	0	0	0

25	(V - BS) Increase the ethnic and global diversity of the Department's student body. The Department will sustain an institutional climate wherein differences are valued.	Our '03-04 goal will be to maintain African American enrollment at or above the 6.6% figure representing the current share of the State's population rather than the lower University population of 3.1%, our previous goal (the University's minority number).	In 05-06 - 4.5%, in 06-07 we are at 9/190 or 4.74%. F'08 we achieved 19/186 = 10.22% African American and 12.37% minority. In 2009 our African American Undergraduate enrollment was 9%	We will continue to recruit & work with the College diversity office to keep these number up	Instructional	Nurture Diversity	7	0	0	0
26	(V - BS) Sustain an institutional climate wherein differences are valued	Maintain foreign undergraduate enrollment of 2%	In 05-06 =0%. In 06-07 2/190 or 1% international undergraduates. F'08=0% & F' 09 = 2%	Work with Mike Reed to increase our international undergraduate enrollment.	Instructional	Nurture Diversity	5	0	0	0
27	(V - BS) Sustain an institutional climate wherein differences are valued	10% of students should take advantage of an international academic experience during their undergraduate career;	In '05-06 4/79 or 5% had an International experience In '06-07 5% had an international experience 07-08=0.5% In 2008-09 2% of our undergraduates had an international experience.	Develop a plan to get more undergraduates involved internationally. We were stuck on 5% for three years now we have dropped to 2% - discuss the issue with the undergraduate committee.	Instructional	Nurture Diversity	5	0	0	0
28	(V - BS) Provide undergraduate education to citizens of the commonwealth, nation and world. The Department will sustain an institutional climate wherein differences are valued.	Our goal for 03-04 will be 30% female enrollment by the Fall of '04. and 33% by the Fall of '06. Keep recruiting females to the undergraduate program to at least maintain 22% female population.	Female enrollment for 05-06= 20% & 06-07 =21% Fall 08 we are at 22.1% female. We have plateaued but at too low a level. A plan of action developed in the 06-07 year was not successful. It included selective recruiting trips and closer working relationship with other college's advisors across campus. The ongoing	We will will continue to work though our Gender Enrollment Planning committee to develop and impliment a plan to attract female undergraduates	Instructional	Nurture Diversity	13	0	0	0

			effort has yet to bare fruit and we are again at 20% in 2009							
29	(VI - CES) Provide educational programs and serve the off-campus needs of the citizens of the Commonwealth of Kentucky with research-based efforts in the areas of economic and social choices. Address traditional education needs while expanding efforts in community economic development, emerging agricultural enterprises, value added marketing and alternative marketing methods.	Make one presentation at a professional society or regional meeting per CES FTE year.	In 2005-06 = 2.94 per CES FTE. In 2006-07 = 2.53 per CES FTE and 2007-08 = 3.42, in 2009 39/6.95CES FTE =5.61	We surpassed our goal. Keep monitoring	Service	Quality of Life	13	15	16	17
30	(VI - CES) Provide educational programs and serve the off-campus needs of the Commonwealth with research-based efforts in the areas of economic and social choices. Address traditional education needs while expanding efforts in community economic development, emerging agricultural enterprises, value added marketing and alternative marketing methods. Continue educational programs and research collaboration with other such units at UK like Biosystems and Agricultural Engineering, Horticulture, Animal Science, the Medical Center and the Center for Cooperative Development.	Publish one refereed journal article per CES FTE per year.	HISTORY; In 05-06=CES FTE or .73 per CES FTE. According to the CA 2006 annual report dated July 2007 we had zero refereed journal articles from CES faculty. Again no Refereed articles from CES in '07-08- At the time the report was due there was no data on this topic from the college although it is known that we had soome refereed articles from the CES faculty	Discuss the timing of metrix release with college administration	Service	Expand Research	13	15	16	17

31	(II - PhD) Assure that our PhD students move through the program in a timely manner - Strive for continued improvement in both the quality and quantity of research productivity.	Eighty percent of our PhD students should graduate from the program within four years.	In 2005-06, 1/5 who graduated did so in 4 years. In 2006-07 2/3 or 66.7%. In 2007-08 = 75%. In 2008-09 2/5 =40%	The Graduate Committee will work with major professors to enhance this rate to meet or revise our goal.	Instructional	Prepare Students	6	0	0	0
32	(VI - CES) The Department will advance sustainable agricultural, food and natural resource systems through its Farm Business Analysis Program.	KFBM will publish an annual summary, a Family Living Study and two Cost & Returns publications each year.	We have set new methods criteria and time lines in 2009 to clarify our goal		Service	Quality of Life	16	17	0	0
33	(VI-CES)The Department will advance sustainable agricultural, food and natural resource systems through its Farm Business Analysis Program.	Specialists will carry an adequate number of appropriate farms to maintain the farm analysis database. Specialists will publish one Farm Analysis newsletter, contribute 10 articles to the Economic and Policy Update and make ten Extension presentations to non-cooperators annually.	We have set new methods criteria and time lines in 2009 to clarify our goal		Service	Quality of Life	16	17	0	0

Appendix E. Graduates of the Ph.D. and M.S. Programs, 2004 - 2009

PhD Student Name	Year	Gender	Citizen	Minority	Years as UK Grad
Shockley, Jordan Murphy	2009	Male	US Citizen	No	5
Subramaniam, Vijayaratnam	2009	Male	Permanent	Yes	11
Liu, Zheng	2009	Female	International		6
Hudoyo, Agus	2009	Male	International		9
Tondel, Fabien	2009	Male	International		7
Jia, Haili	2008	Female	International		6
Jiumpanyarach, Waripas	2008	Female	International		8
Zhang, Qiang	2008	Male	International		5
Johnson, Rutherford Barry	2007	Male	US Citizen	No	4
Ona Ruales, Lucia Yolanda	2007	Female	International		9
Babool, Md Ashfaqul Islam	2006	Male	International		6
Peng, Xuehua	2006	Male	International		4
Hou, Jiang	2006	Male	International		5
Leiva, Akssel Jose	2006	Male	International		7
Rattanopas, Thitinart	2006	Female	International		7
Song, Baohui	2006	Male	International		5
Chen, Jianhua	2005	Male	Permanent	No	9
Gandonou, Jean-Marc	2005	Male	Permanent	No	6
Veeramani, Venkat Narayanan	2005	Male	International		4
Hao, Jianqiang	2004	Male	International		5
Xiao, Qing	2004	Female	International		6
Bamba, Ibrahim	2004	Male	International		5
Poosiripinyo, Rangsit	2004	Female	International		7

Comment [M R1]: Better check this out; he was in Georgia for a number of years

Comment [M R2]: Make sure all of this time is as an AEC student. She began in PLS.

Comment [M R3]: He was away working for much of this time and wasn't classified as a student

MS Student Name	Year	Gender	Citizen	Minority	Years as UK Grad
Davidson, Kelly Ann	2009	Female	US Citizen	No	2
Shepherd, Jonathan David	2009	Male	US Citizen	No	3
Bayar, Emine	2009	Female	International		2
Woolley, John Robert	2009	Male	US Citizen	No	2
Hinkle, Julia Louise	2008	Female	US Citizen	No	5
Auchter, Katharine A	2008	Female	US Citizen	No	6
Vassalos, Michael	2008	Male	International		2
Yang, Shang-Ho	2008	Male	International		2
Zhang, Lisha	2008	Female	International		2
Kayrouz, Benjamin Michael	2008	Male	US Citizen	No	3
Wermuth, James Allen	2008	Male	US Citizen	No	4
Sirinirund, Pattala	2007	Male	International		2
Forsythe, Michael C	2007	Male	US Citizen	No	2
Misra, Kaustav	2007	Male	International		3
Shockley, Jordan Murphy	2006	Male	US Citizen	No	2
Kumwimba, Lily Mutombo	2006	Female	International		4
Ostermeier, Richard Lee	2006	Male	US Citizen	No	2
Logsdon, Thomas Joseph	2006	Male	US Citizen	No	3
Quarles, Ryan Francis	2006	Male	US Citizen	No	2
Routt, Nathan Jefferson	2006	Male	US Citizen	No	5
Wang, Jiyi	2005	Female	International		2
Day, Kyle Clifford	2005	Male	US Citizen	No	3

Kumar, Sanjeev	2005	Male	International		7
Nagy, Reka	2005	Female	International		3
Eldridge, Roger Wayne	2005	Male	US Citizen	No	2
Vercken De Vreuschme, Camille An	2005	Female	International		2
Cannon, Dennis Lowell	2004	Male	US Citizen	No	12
Kohrienchai, Voraya	2004	Female	International		3
Lunsford, Terry Logan	2004	Male	US Citizen	No	3
Tyler, Quentin Romar	2004	Male	US Citizen	Yes	3
Carney, Chad Edward	2004	Male	US Citizen	No	2
Rattanadechakul, Wanchai	2004	Male	International		4
Tirrell, Ben M	2004	Male	US Citizen	No	1
Tondel, Fabien	2004	Male	International		2
Leksrisompong, Chanatip	2004	Female	International		2
Seepana, Sri-Hari-Naidu	2004	Male	International		2
Somov, Margarita Yuri	2004	Female	Permanent	No	2
Zhuang, Jun	2004	Male	International		2

Comment [M R4]: This must include his time as a Patterson School student

Comment [M R5]: He was away working for much of this time.

External Review

**Department of Agricultural Economics
2011 Periodic Department Review**

**University of Kentucky
College of Agriculture**

**Preliminary Report
April 28, 2011**

prepared by

**Terrell T. "Red" Baker
Kevin Boyle
Kenneth Burdine
Carl Dillon
Paul Ellinger
Jenny Minier
Sayed Saghaian
Cory Walters**

INTRODUCTION

At the University of Kentucky, every academic unit is required to undergo a review of their program on 5-7-year intervals. The Agricultural Economics Department (AEC) in the College of Agriculture postponed its most recent review to coincide with the scheduled resignation of its current Department Chair, Dr. Lynn Robbins, and specifically to aid the transition of the incoming Department Chair, Dr. Leigh Maynard. To accomplish the review, a committee was formed comprised of faculty internal and external to the department, college, and university (Table 1).

Table 1. Agricultural Economics 2011 Periodic Review Committee Membership

Internal Members	
Dr. Terrell T. "Red" Baker, Chair	Chair and Professor Department of Forestry University of Kentucky
Mr. Kenny Burdine	Farm Management Specialist University of Kentucky Department of Agricultural Economics
Dr. Carl Dillon	Professor University of Kentucky Department of Agricultural Economics
Dr. Sayed (Mehdi) Saghaian	Associate Professor University of Kentucky Department of Agricultural Economics
Dr. Cory Walters	Assistant Professor University of Kentucky Department of Agricultural Economics
External Members	
Dr. Jenny Minier	Associate Professor University of Kentucky Department of Economics Gatton College of Business and Economics
Dr. Kevin Boyle	Department Head and Professor Virginia Tech Department of Agriculture & Applied Economics
Dr. Paul Ellinger	Professor and Head of Department University of Illinois Department of Agricultural & Consumer Economics

Over a three-day period, the review committee met with faculty, staff, students, stakeholders, and administrators of AEC to identify strengths, weaknesses or threats, and opportunities. This report provides the results of these discussions and also offers recommendations for the department and administration to consider. The review was designed to be comprehensive and constructive. The results of the review committee's interviews were assembled according to the mission areas of AEC – Undergraduate Instruction, Graduate Instruction, Research Program, and Extension Program. The committee also addressed issues relative to the Administrative Staff for AEC. For the sake of brevity and digestibility, the committee opted to present results in bulleted form.

It is a testimony to Dr. Lynn Robbin's leadership and vision to have organized this review just prior to his transition back into the faculty. The new department chair, Dr. Leigh Maynard, comes in with a strong foundation, which should be evidenced in the review committee's report.

Clearly, the reputation and relevance of AEC in the state and region are very important to the college and university. The review committee observed many instances where AEC faculty and staff serve leadership roles in the college and university. There have been a number of excellent hires in recent years that contribute to a sense of optimism for the department and the review committee observed an upward trajectory in many, if not most, measures. There is good integration of extension, research, and teaching functions within the department and most faculty appear to contribute to all mission areas regardless of appointment. The review committee was struck by the civility and professionalism in the department; a good example of which was the healthy and positive nature of the recent internal search for a new department chair.

While there are many changes on the horizon (retirements, new chair transition, college hiring freeze, among others) that bring anxiety to members of the department, it should be recognized that these changes also bring opportunities. The strong output base, combined with the professionalism within the department, forms a strong foundation for turning challenges into opportunities.

AEC GENERAL DEPARTMENT OPPORTUNITIES AND RECOMMENDATIONS

- Department should consider a strategic planning retreat to:
 - identify departmental focus for the next five years,
 - prioritize departmental efforts within and among mission areas,
 - stay relevant to clientele on issues affecting agriculture and the producers who depend on the department in a period of declining extension faculty numbers,
 - refine direction and approaches for the graduate program, and
 - address quantity/quality tradeoffs posed by growth of the undergraduate program.

The need for this retreat is heightened by the tight budgets all universities are facing and the opportunities presented as a new leader of the department steps in the chair position. The retreat could be preceded by mission-area strategic planning efforts to foster in-depth discussions during the retreat.

- AEC should consider holding listening sessions with stakeholders and agents on a regular basis.

- Senior faculty should continue mentoring of junior faculty, with an emphasis on frequent contact and interaction.
- Formal development efforts should be undertaken to enhance endowment funding for teaching, research and extension activities.
- Maintain a strong department seminar series to enhance professional development in all mission areas.

AEC UNDERGRADUATE INSTRUCTION

Strengths:

- The department has the 2nd largest enrollment in the college.
- Student evaluations have been historically higher than the college average.
- Many AEC faculty are engaged with real problems facing producers and agribusinesses and bring these experiences to the classroom.
- Student access to faculty is attractive to students
- Job placement seems to be strong.
- Faculty interest and expertise in international programs is strong.
- AEC has welcomed transfer students and provided opportunities to excel.
- Selected faculty have provided expertise and college leadership in developing online courses.

Threats and Weaknesses:

- Only 10 to 20 students enter as 1st year students.
- Faculty retirements, declining budgets and increasing enrollments require increases or shifts in faculty teaching and advising loads.
- There is a lack of gender diversity in undergraduates.
- The recent turnover in the college career services office has resulted in gaps in career planning and counseling.
- The large numbers of transfer students create advising challenges.
- There is a perception of a subset of low quality and unmotivated students who don't want to be in AEC as a result of these large numbers of transfer students.

Opportunities and Recommendations:

- Evaluate the curriculum. Is it modern and comparable to programs at peer institutions? Has it kept pace with job demand? Is there overlap among courses? Is there sufficient writing and communication in the curriculum?
- Continue to incorporate practical and applied problems in classes.
- Recruit on and off campus to attract students who want to be in program, emphasize strong job placement and small school environment with faculty student ratios.
- Consider using student ambassadors to assist in recruiting.
- Offer scholarships for high quality 1st-year students interested in program.

- Develop marketing materials to enhance web site for UG (also Grad) Student recruitment, possibly structured to be an undergraduate marketing project.
- Work closely with Dean to manage future growth in student numbers. What resources/positions will be provided to help support the education of these students?
- Integrate industry into classroom explicitly or implicitly via case studies/problems – not just guest lecture. This integration would help promote the program to students and employers.
- Evaluate potential gains in teaching efficiency – number of classes, class sizes, use of TAs, etc.
- During the strategic planning event discuss the future of online teaching. What is the online strategy? Will there be financial support?
- Look at international and experiential learning opportunities for students. These events are often life-changing events for students. Look to industry and alumni to help support these events financially.

AEC GRADUATE INSTRUCTION

Strengths:

- The graduate program has benefitted from a dedicated faculty and number of successful new hires.
- The department has made several significant changes to the graduate program and is currently in the process of implementing them.
- Some faculty have aggressively recruited high-quality students in recent years.
- Program flexibility accommodates diversity of student needs.

Threats and Weaknesses:

- The NRC rankings identified weaknesses that may help the department to focus attention on improving key measures of strengths, such as publications and graduate student placement.
- Recruiting graduate students remains challenging: stipends are much lower than competing programs, the number of stipends has decreased, and faculty also mentioned the difficulty of finding students both interested in *agricultural* economics and able to get through the theory components of the program. In addition, faculty participation in recruiting efforts varies widely.
- There are no clear opportunities to specialize in a subfield within the Ph.D. sequence. This can be an important marketing tool for recruiting students and job placement when students have finished their degrees.

Opportunities and Recommendations:

- Enhance opportunities to incorporate graduate students into extension programming (applied research).

- Teaching assistantships available through the graduate school may help interested students gain teaching experience and obtain academic jobs, relieve faculty from teaching some lower-level courses, and free up existing funding for additional students.
- Delineating current offerings more clearly into master's and Ph.D.-level courses will allow the department to prioritize offerings to take advantage of current faculty and more clearly define specializations available to students.
- There may be areas of specialization that would benefit from students taking field offerings in other departments, e.g., international economics in the economics department.
- The department should continue to encourage graduate students to present their research at conferences and subsidize their travel.
- Mentoring and co-authoring articles with graduate students should continue to be rewarded.
- Faculty should be encouraged to become (or remain in some instances) involved as a team with recruiting efforts. This could include an organized recruiting day for prospective domestic students.
- The graduate program should develop a formal system for preparing students for the job market.

AEC RESEARCH PROGRAM

Strengths:

- The Department has a solid research base in terms of both inputs (grants) and outputs (publications).
- There is a good mix of publications in terms of institutional publications that address important issues to Kentucky clientele groups and journal publications that communicate original research findings to academic peers.
- The extension faculty is doing a very good job of obtaining external funds for applied research to support programming.
- The Department has made some excellent faculty hires that provide much optimism for the future.

Threats and Weaknesses:

- Impending retirement of faculty in a period when the college is reducing the size of the faculty.
- The Department history of grant funding has been quite uneven in recent years; direct grants to the department range from a low of about \$445k in 2008/09 to a high of about \$2,137k in 2006/07. The most recent figure was \$1,482k in 2009/10.
- The Department funds few graduate students on grants and there is resistance by extension faculty to employ graduate students on grants that support extension programming.

- Publication of peer-reviewed journal articles in the department has been uneven across faculty (and lower than many peer institutions; in recent years the department has averaged 22 journal articles per year, but the low was 6 articles in one year (2006-2007)).

Opportunities and Recommendations:

- The department has the opportunity to increase grant funding across all mission areas, which will enhance research publications and provide more funding for graduate students.
- With the new faculty, the Department has the opportunity to publish research in major applied economic field journals, which will increase national and international recognition of the department and help attract high quality applicants to the PhD program.
- There are opportunities and interest by stakeholders to fund applied research in the Department.
- Faculty should be encouraged to submit papers and travel encouraged (subsidized?) to attend professional meetings
- Department should enhance faculty access to KFBM data to increase output of applied research that can support extension programming and generate journal articles.
- The Department should emphasize rewarding faculty productivity for grants obtained and journal articles published across all three mission areas, which can also serve to increase the Department's performance in national rankings.
- The faculty should seek to enhance opportunities to participate in interdisciplinary and integrated grants that have large funding potential.
- Faculty are encouraged to seek opportunities to present seminars at other universities and federal government agencies on research, extension programming, and teaching pedagogy. This will help to enhance the department's national reputation.

AEC COOPERATIVE EXTENSION PROGRAM

Strengths:

- The Extension program within AEC is very strong; it is arguably one of the strongest in the College of Agriculture and highly recognized among peer institutions.
- Traditional core programming (e.g., enterprise budgets, marketing, risk management, policy, natural resources, economic development, etc.) efforts have been maintained and burgeoning opportunities (e.g., beginning farmer programs, personal finance, rural health, etc.) have been explored and included in programming.
- The extension program maintains excellent relationships with clientele throughout the state. These relationships, many of them long-standing, contribute to positive relationships for the college and university at the state and regional levels.
- County agents (in a variety of disciplines) express strong support for the traditional model of programming when extension program clientele have the opportunity to meet individually with faculty. They value extension faculty collaborations with other departments in the college.

- The KY Farm Business Program (KFBM) contributes to AEC's positive reputation and relationships throughout the state. The joint producer/extension funding model increases the value of each entity and the service to participating clients. AEC extension faculty increasingly relies on KFBM personnel to assist with some educational programming.
- CEDIK is an asset to the department and provides access to non-traditional clientele in non-traditional ways (e.g., rural health clinics).
- Kentucky Ag Leadership contributes greatly to the agricultural community in Kentucky and is strongly supported by stakeholders interviewed.
- Extension faculty contribute to the teaching mission at the undergraduate level. Faculty members believe that their practical and field experience contribute to their teaching ability.
- Extension faculty have a strong record of grantsmanship and projects are integrated with department's research programs. Hard monies are leveraged to acquire external funding, which has enabled hiring of extension Associates to maintain and expand programming.
- Extension faculty are conducting applied research important to stakeholders of the department.

Threats and Weaknesses:

- Extension's decreasing resources (8% decrease in budget since last review and potential loss of positions through retirements) should be viewed as a threat and steps taken to reverse the trajectory. Stakeholders and agents expressed concern about implications for their access to extension professionals, which has implications for long-term funding.
- While extension's presence in the classroom is good for the department, care should be taken to ensure that extension faculty's ability to serve clientele does not decline as a result of increasing teaching loads.

Opportunities and Recommendations:

- Explore incentives to create viable graduate student opportunities for advising by extension faculty. Increasing extension involvement in the graduate program would serve to boost graduate student enrollment and train future extension professionals. Extension needs to carefully examine recent historical funding, personnel and programmatic trajectories to forecast/predict needs in order to prioritize programming efforts.
- There may be demand for one-stop interdisciplinary educational venues where landowners see issues and analyses from start to finish.
- Agents and clientele expressed need for agriculture and environmental policy expertise.
- New methodologies and innovative technologies for interacting with clientele need to be explored. Agents and stakeholders recognize and support departmental efforts to utilize emerging technologies to access clientele, while minimizing effects on relationships with clientele groups.

- Provisions for the retiring and advancing cohort of extension faculty should be made to ensure solid replacements for these people. This also represents opportunity for the department to prioritize its capabilities in emerging areas.
- Explore providing startup monies for incoming extension faculty to recruit the best candidates and provide them with greater chances for success.
- KFBM would benefit from investment in software.
- To prevent loss of KFBM employees to other careers the personnel need to be paid competitively.
- There may be opportunities to increasingly use KFBM personnel for educational programming.
- To optimize productivity from the KFBM program, strategic discussions about faculty access to KFBM data and reports is warranted. Agents and stakeholders viewed potential for applied research and data from KFBM as extremely valuable.
- The shared funding model for KFBM may be applicable for other programs given increasing budget challenges and desires for face-to-face interactions.
- Extension Associates are seen as a clear strength in the department. Supervising faculty should work to provide opportunities for associates to fully develop and utilize their professional skill sets and be recognized for their contributions.
- The College administration suggested that there were opportunities to increase AEC involvement in programming related to forest industries across Kentucky. Cooperative efforts with Department of Forestry personnel are available and encouraged.

AEC ADMINISTRATIVE STAFF

There is a large number (>10) of administrative and support staff in AEC. Staff members seem dedicated to the department, but unsettled due to a large number of changes occurring within department, college, and university. Staff members were nearly universal in their concern about poor communication from university and lack of advance notification of policy and procedural changes (e.g., travel policies, training opportunities, etc.). Staff members expressed appreciation for flexibility in schedules and departmental consideration of family obligations. There was also concern expressed regarding unbalanced workloads among staff members. A few suggestions are offered below for addressing staff issues.

- Explore morale-building opportunities/activities for staff.
- Encourage and promote staff participation in technical skill development and training across campus to effectively assist in the changing support needs of the department.
- Conduct regular communication meetings with chair and/or other appropriate supervisors.
- Establish clear lines of reporting and definition of duties through JAQ revisions and clarify supervisory system/organizational chart for staff in the department.
- Consider incentive programs for staff to participate in successes of department.

Implementation Plan

UK Program Review Implementation Plan (see attachment for more explanation)					
College/Unit: Agricultural Economics				Date: November 3, 2011	
Recommendation/ Suggestion	Source I/E/H*	Accept/ Reject**	Unit Response (resulting goal or objective)	Actions (including needed resources)	Time Line
General					
1. Strategic Planning Retreat	E	A	Identify dept. focus and prioritize	Retreat was held August 8-9, 2011	Completed
2. Stakeholder Listening Sessions	E	A	Maintain contact and gain perspective	More emphasis on meeting with employers, maintain close contact with agribusiness and extension contacts	Ongoing
3. Continue mentoring of junior faculty	E	A	Ensure faculty are aware of the P&T process and expectations	Review and update Statement on Evidences of Activity, continue use of mentoring committees	Ongoing
4. Enhance endowment funding	E	A	Generate stable funding sources	KALP endowment drive nearing completion, GSO pursuing grants and fundraising, explore student endowment campaign	8/31/2013
5. Maintain strong dept. seminar series	E	A	enhance professional development	Continue full scheduling of brown-bag seminars, invitations to outside speakers, expand international web seminar series	Ongoing
Undergraduate Instruction					
6. Evaluate Curriculum	E	A	Integrate approach for 6, 8, 12, 15	Review learning outcomes and minimum standards, recently revised prerequisites for 300, 400, and 500 level courses.	8/31/2013
7. Incorporate Applied	E	A	None needed	Continue present practice	Immediate

8. Recruit	E	A	Recruit more AEC majors as incoming freshmen	Created a recruiting committee to create and impliment marketing strategies.	8/31/2013
9. Ambassador Recruiting	E	A	Include Ambassadors as part of the recruiting strategy in 8 above	The planning committee will include college ambassadors in the recruiting plan	8/31/2013
10. Offer Scholarships	E	R	Recruit high-performing AEC majors as incoming freshmen	COA administers many AEC scholarships, grad student funding is a more pressing need	N/A
11. Web Site Marketing	E	A	Include web site development as part of the recruiting strategy in 8 above	The planning committee will include web site development in the recruiting plan	8/31/2013
12. Manage Growth	E	A	Develop a non-GPA admissions policy	Develop minimum grades in ECO 201 and insist that AEC 302, 303, and 305 be taken within the first year of transferring before accessing other courses.	8/31/2013
13. More than Industry Guests	E	A	Add a mandatory internship	See 15	Immediate
14. Decide On-Line Future	E	A	Deliver quality instruction and accessibility	Continue and evaluate existing trials for more insight, discussions are ongoing	In Progress
15. Study Abroad & Internships	E	A	Required Internships (or acceptable substitutes)	Hire a full-time internship coordinator lecturer. Offer a 1-hour internship preparation class	8/31/2013
Graduate Instruction					
16. Enhance grad student opportunities to work in extension	E	A	Align graduate programs with comparative advantage and the job market	We initiated a grad student extension tour and meeting with KFBM, plan to adapt MS curriculum and recruiting to attract students interested in careers related to extension	ongoing

17. Pursue TA lines through Graduate School	E	A	Provide students with teaching experience	We are in the trial stages of involving students more in the classroom, need evaluation before further commitment	N/A
18. Delineate MS and PhD courses	E	A	Prioritize offerings, define specializations	Department approved plan to move 4 courses to PhD level	In Progress
19. Encourage enrollment in other departments for field courses	E	A	Broaden educational opportunities efficiently	Continue encouraging students to take courses in ECO, STA, MA, PPA, and other related departments	Ongoing
20. Continue encouraging and subsidizing student conference presentations	E	A	Engage students in activities linked to future career success	Written qualifier replaced by research paper requirement, more courses require research papers, GSO raising funds for travel, part of existing strategic plan	Ongoing
21. Continue rewarding articles co-authored with grad students	E	A	Prepare students for the professional and research-oriented job market	Emphasize value of student co-authors in performance reviews, written qualifier replaced by research paper requirement, more courses require research papers	Ongoing
22. Encourage team efforts by faculty to recruit grad students	E	A	Recruit grad students with both analytical and communication skills	Raise stipends to a competitive level, obtain travel funds to visit career fairs at other universities	8/31/2013
23. Develop formal system for job market prep	E	A	Prepare students for success in the job market	Formalize presentation and publication requirements, job search mentoring seminar	8/31/2013
Research Program					

24. Increase grant funding	E	A	Improve financial self-reliance	Make grants a primary means of recruiting the best graduate students, provide regular updates on research and extension grant activity, explicitly reward grantsmanship in performance evaluations.	ongoing
25. Publish in major journals	E	A	Improve standing in discipline, recruit strong faculty and grad students	Prioritize quality and impacts more in performance reviews	ongoing
26. Pursue more stakeholder-funded research	E	A	Enhance relevance, improve financial self-reliance	Connect research faculty with stakeholder groups, explicitly reward grants and consulting in performance reviews, use undergraduate experiential learning requirement and extension programs to maintain contact with stakeholders.	ongoing
27. Encourage faculty to present at conferences	E	A	Enhance visibility, disciplinary interaction	Continue existing level of support and rewards	ongoing

28. Enhance faculty access to KFBM data	E	A	Use existing unique data from partnership	The Department has consolidated KFBM data from 1998 through 2010 into a usable database available for use by faculty, graduate students, and others. The Department has developed policy and procedures guidelines for KFBM data use and a Memorandum of Agreement for its use. Two graduate students and a regional PhD study are now using the data.	Completed
29. Reward activity that crosses all three mission areas	E	A	Improve impacts and relevance	Prioritizing grants more will get research faculty more engaged with extension, raising publishing expectations for extension faculty will encourage more engagement with research	ongoing
30. Encourage integrated grants	E	A	Improve financial self-reliance, relevance	Regularly reinforce awareness of this trend, explicitly reward integrated grants as evidence of scholarly recognition	ongoing
31. Present seminars at other universities and agencies	E	A	Enhance visibility, disciplinary interaction	Explicitly recognize faculty who give invited presentations, integrate with grad student recruiting.	ongoing
Cooperative Extension Programs					

32. Increase extension involvement in graduate program	E	A	Align graduate programs with comparative advantage and the job market	We initiated a grad student extension tour and meeting with KFBM, plan to adapt MS curriculum and recruiting to attract students interested in careers related to extension	ongoing
33. Forecast needs to prioritize resources	E	A	Deliver effective programming efficiently	Extension committee will lead planning discussions	ongoing
34. Explore one-stop interdisciplinary venues that serve landowners' needs	E	A	Deliver programming with clientele needs foremost	Continue interdisciplinary programming, evaluate merging ANR updates and ESM, continue building links with Forestry and other departments	ongoing
35. Acquire ag and environmental policy expertise	E	A	Respond to expressed needs of agents and clientele	The College recently hired an Ag Policy Outreach Director, will need to replace expertise lost through retirements	In Progress
36. Adopt emerging communication technologies without harming clientele relationships	E	A	Meet rising expectations with constrained resources	Use Lync and similar technology where appropriate, focus on technologies that retain as much visual contact as possible	In Progress
37. Replace retiring extension faculty, with attention to priority areas	E	A	Maintain resources and plan strategically	Prioritizing needs is the first step in all hiring decisions where we have a choice	Ongoing
38. Explore start-up funds for new extension faculty	E	A	Improve recruiting prospects and early faculty development	Evaluate relative priorities of all prospective expenditures, discuss opportunities with the Dean	Ongoing
39. Invest in software for KFBM	E	A	Improve specialists' efficiency in serving more cooperators	KFBM is working with a programmer to develop new software to aid in developing analysis.	8/31/2013

40. Pay KFBM specialists competitive salaries	E	A	Improve recruitment and retention	Salary adjustments were recently made for KFBM employees hired since pay increases were frozen in FY 2008 to make their salary more competitive with other opportunities. Two KFBM employees are currently being promoted under the established career track program.	Ongoing
41. Use KFBM specialists for more educational programming	E	R	Integrate KFBM and extension activities	The current level of extension programming contributed by KFBM is appropriate (10% of effort beyond public delivery of analysis), and a greater need exists to expand the cooperator base. KFBM personnel contribute to Extension educational programming throughout the year throughout the state. They participate with Department Extension faculty in Lenders Conferences, Extension Subject Matter Training, Income Tax Seminars, FSA Training, and other programs.	N/A

42. Maximize value from faculty use of KFBM data	E	A	Use existing unique data from partnership	The Department has consolidated KFBM data from 1998 through 2010 into a usable database available for use by faculty, graduate students, and others. The Department has developed policy and procedures guidelines for KFBM data use and a Memorandum of Agreement for its use. Two graduate students and a regional PhD study are now using the data.	Completed
43. UK/KFBM shared funding model may be applicable to other programs	E	A	Affordably increase face-to-face programming	Some extension programs are operated on a fee-for-service basis, and shared funding will be considered when appropriate	Ongoing
44. Assist extension associates with professional development and recognition	E	A	Make the department an attractive place to work, retain a valuable part of our human capital	Chair will actively encourage mentoring by faculty and seek feedback from extension associates.	Ongoing
45. Increase AEC collaborations with Forestry	E	A	Deliver programming with clientele needs foremost	Meetings were held in September, 2011 for this purpose, research is in the planning stages, and Forestry is now included in the ESM meetings.	Ongoing
AEC Administrative Staff					

46. Explore morale-building activities for staff	E	A	Offer leadership roles, recognition, and opportunities for professional development and social interaction.	Staff were active contributors to the department's strategic planning retreat, the Account Clerk search committee, and the website modernization team. Social events include a team-building event off-campus, and others will follow during the holiday season. Two staff members won College awards this year. Staff are actively encouraged to attend training sessions and UK courses.	Ongoing
47. Promote technical skill development	E	A	Offer leadership roles, recognition, and opportunities for professional development.	Staff are actively encouraged to attend training sessions and UK courses.	Ongoing
48. Conduct regular meetings with the chair / supervisors	E	A	Provide opportunities for clear communication and sharing of ideas and issues	A staff meeting with the chair was held in early November, 2011, and a schedule of monthly meetings was set.	Ongoing
49. Establish clear definition of duties via JAQ's and clarify supervisory system	E	A	Improve morale through clear communication of expectations.	No staff currently have or have had supervisory duties over other staff. A pool system with an office manager or lead admin associate was contemplated in previous years, but was never implemented. JAQ's will be reviewed on an ongoing basis. Performance evaluations will not be negatively affected by duties not specified in JAQ's, but can be positively affected.	8/31/2012

50. Consider incentive programs for staff to participate in successes of department	E	A	Offer leadership roles, recognition, and opportunities for professional development.	Travel and attendance at KALP events or to scout convention sites are examples of such incentives. Attribution of staff contributions to programming is being actively encouraged.	Ongoing
* Source of Recommendation (I = Internal recommendation; E = External Review Committee recommendation; H = Unit Head recommendation)					
** Accept/Reject Recommendation (A=Accept; R=Reject)					
Unit Head Signature: _____ Unit Head Supervisor Signature: _____ Date: _____					