

CURRICULUM VITA

Carl R. Dillon
Associate Professor
Farm Management
Department of Agricultural Economics
65% Research, 35% Teaching
July 2007

VITA NARRATIVE - CARL R. DILLON

I am an Associate Professor of Farm Management in the Department of Agricultural Economics. This narrative aims to provide a summary of accomplishments and scholarly activity. My research program emphasizes analyzing the profitability and risk management potential of new technologies, management strategies and alternative production practices for agricultural producers. My approach is to formulate economic decision-making models in a multidisciplinary, whole farm analysis setting. Recently, I have focused on empirical applications of the technological developments of precision agriculture. My appointment has averaged 65% research and 35% teaching at the University of Kentucky, with service not reflected in these percentages. I have developed an applied research program as called for in the job announcement under which I was hired.

My research productivity includes 48 refereed publications, with 31 as refereed journal articles and over 70% as senior author, averaging 2.82 refereed publications annually. These are primarily in national and international journals and proceedings. This compares favorably to the 2.50 that is in the upper 13% and 3.0 in the upper 9% according to a survey by Traxler, et al. for Agricultural Economics Full Professors at Southern Land Grant Universities with a research appointment. Concurrently, my annual credit hours taught (as weighted by portion of responsibility in team taught courses) has averaged 5.71 while 6 credit hours represents the upper 26% of full professors for the same survey. Of my 48 total refereed publications, 26 occurred while at the University of Kentucky (beginning September 1998) after my position as Assistant and tenured Associate Professor at the University of Arkansas. One paper written at UK is an invited refereed journal article published in the Journal of Agricultural and Applied Economics. I have published another invited refereed journal article for the Journal of Crop Production (also published as a book chapter). Still another article published in Agricultural Economics has been translated into Russian at the recommendation of and by a visiting professor. I have invited presentations at the Western Canadian Dairy Seminar (precision livestock feeding and forage production), the American Society of Agronomy/Crop Science Society of America/Soil Science Society of America meetings (precision agriculture to address low yielding areas) and University of Alberta (precision management zone delineation) as well as 10 European Conference refereed proceedings. My research has been the topic of news articles published this year in nationally popular farm magazines including Farm Journal and Top Producer. I was also interviewed as a precision agriculture economics expert for national farm publication (USAG Magazine).

I have directly received funding as principal or co-principal investigator totaling over \$1.3 million from 50 grants with about \$897,000 coming from 20 grants received while at the University of Kentucky; these grants are part of research grants totaling over \$4 million for all investigators that I have helped administer while at the University of Kentucky. I have 12 invited paper presentations or lectures, 4 organized symposia presentations, 31 published proceedings (of which the 10 are refereed), 60 professional presentations and 23 posters. I received a University of Kentucky College of Agriculture Faculty Futures Award in 2005 and a University of Kentucky College of Agriculture Wethington Award in 2006.

My research program provides methodological, theoretical and empirical contributions to the multidisciplinary framework of farm management. My methodological contributions include novel mathematical programming formulations and applications. The melding of nonlinear and mixed integer programming models for assessing farmer's maximum willingness to pay and for precision management zone delineation are examples, incorporating Boolean logic to model the need for continuous management zones. Novel application of the traveling salesperson integer programming formulation to the application of factors of production to reduce risk is another contribution. I developed the original formulation to distinguish between uniform rate and variable rate input application through the use of ratio constraint procedures. My theoretical contributions involve the impacts of interactions among production practices and the importance of risk in economic modeling. This included the development of a testing procedure for appropriate mean-variance analysis extending Meyer's seminal linkage to the expected utility hypothesis. I conceptualized and derived advanced break-even analytical techniques including output-output enterprise break-even requirements and break-even elasticity. My research demonstrated the need to consider multiple interactions to properly determine optimal production strategies. My empirical contributions include evaluation of numerous precision agriculture practices for profitability and risk management as well as optimal management strategies. I am known as a primary mathematical programmer among agricultural economists and as a primary economist among physical scientists studying precision agriculture.

I love teaching and advising, seeking to incorporate examples from my research; I meld my research program with my teaching program which has led to awards and placement of students. I am active in graduate and undergraduate advising and teaching. I was recognized with the University of Kentucky Ken Freedman Outstanding Advisor Award in 2005. I have served as major advisor for students of two papers to win the Graduate Student Paper Distinguished Professional Contribution Award from the Southern Agricultural Economic Association. I have received teaching awards including Who's Who Among America's Teachers in 1996 and the Arkansas Chapter of Gamma Sigma Delta's Teacher Award of Merit. While at the University of Arkansas, I served as faculty advisor, team coach and mentor of the 1993 National Championship Academic Bowl Team of the Student Section of the American Agricultural Economics Association. My former students (undergraduate, graduate and postdoctoral scholar) have progressed into positions such as farm managers, area farm management specialists, Ph.D. students, agribusiness managers, economists, postdoctoral scholars and assistant professors.

My research program plays a significant role in my commitment to service and extension activities. I am serving as an associate editor for farm management and production economics submissions to the [Agronomy Journal](#) which serves as a multidisciplinary journal of the AAEA and other associations. I was a reviewer for a special edition of [Computers and Electronics in Agriculture](#), [Volume 58, Issue 1](#), August 2007, entitled "Precision Agriculture in Latin America." By invitation, I also provided review of Kay and Edwards' textbook [Farm Management](#) (4th ed.), probably the most widely used textbook for Farm Management courses of American colleges and universities. I served as the 2007 SAEA selected papers

co-chair and received the Distinguished Professional Contribution Award, SAEA, with S. Saghaian. I have served as the SAEA Student Affairs Committee Chair as well as a reviewer, session organizer and moderator for the AAEA and other organizations. I filled the void as the Departmental Director of Undergraduate Studies (2006-present) and undertook other departmental leadership roles. I have served on the University Appeals Board and, at the college level, the Kentucky Agricultural Experiment Station Project Review Committee, the Precision Agriculture Steering Committee and the Undergraduate Curriculum Committee.

My applied research program includes popular articles (22), nonrefereed articles (15), refereed bulletins (4) and refereed university articles (3). I have received several requests to make presentations at extension organized field days and meetings, including invitations to speak at the National Association of Farm Business Analysis Specialists 2001 Annual Conference and the Kentucky Precision Agricultural Network meeting. I have demonstrated exemplary working relationships with my extension colleagues having numerous collaborative efforts including publications (36), presentations (15 not including published proceedings) and software development (2) with extension faculty. My direct interaction with farmers has strengthened quality and adoption of research results.

My academic program highlights that farm management is especially well suited to active collaboration with several disciplines and extension; agricultural economics is a vital and integral discipline with direct contributions to the resolution of farm management problems. I have a program representing a model of research collaboration with research and extension scientists from many disciplines. I maintain a strong individual disciplinary contribution while contributing to multidisciplinary research projects of broader scope, providing the economic analysis element sorely needed in the area of farm management given the complexity and dynamic nature of farm management. I frequently list students first on publications and presentations with me serving as senior author to help place students in a profession noted for relatively low acceptance rates.

In summary, my national and international reputation is evidenced by my research, teaching and service accomplishments. My application of mathematical programming techniques, economic budgeting and risk analysis to economic evaluation has generated publications in a host of multidisciplinary national and international journals, both within and beyond the typical agricultural economics profession. This has afforded me the opportunity to make numerous scholarly contributions methodologically, theoretically and empirically through invited refereed journal articles, national and international invited presentations and a plethora of refereed publications and presentations. Research has enhanced my teaching resulting in professional awards. Collaboration with extension faculty has conveyed research findings to farmers, county agents, agribusiness managers and others. This has complemented my service to the academic profession, University, College and Department.

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VITA - CARL R. DILLON

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EDUCATION:

Ph.D. Agricultural Economics, Texas A&M University, May 1991
Dissertation: An Economic Analysis of Edwards Aquifer Water Management
Advisor - Bruce A. McCarl

M.S. Agricultural Economics, Texas A&M University, December 1987
Thesis: An Economic Study of Tactical Crop Production Decisions in the Blacklands:
The Melding of Biophysical Simulation and Economic Decision Models
Advisor - James W. Mjelde

B.S. Agricultural Business, Sam Houston State University, December 1985

PROFESSIONAL EXPERIENCE:

Associate Professor, Department of Agricultural Economics, University of Kentucky.
September 1998 - Present. Averaged about 65% Research and 35% Teaching

Associate Professor, Department of Agricultural Economics and Agribusiness,
University of Arkansas. July 1996 - August 1998

Assistant Professor, Department of Agricultural Economics and Rural Sociology,
University of Arkansas. August 1990 - June 1996

Research Associate, Department of Agricultural Economics,
Texas A&M University. January 1988 - August 1990

Research Assistant, Department of Agricultural Economics,
Texas A&M University. January 1986 - December 1987

Student Assistant, Department of Agricultural Sciences and Vocational Education,
Sam Houston State University. September 1983 - December 1985

PROFESSIONAL SPECIALTY:

Investigation of the profitability and risk management potential for selected alternative production practices, management strategies and new technologies for farmers
Mathematical programming and whole farm modeling
Precision agriculture economics

EVIDENCE OF NATIONAL AND INTERNATIONAL REPUTATION:

Numerous publications below including 28 refereed journal articles, 3 additional invited refereed journal articles and 10 refereed published proceedings are in national or international journals or have been at international conferences. Collectively they reflect a national and international reputation as a leader in farm management generally and evaluation of the profitability and risk management potential of alternative production practices and new technology such as precision agriculture specifically

Average refereed publications annually are 2.82 which compares favorably to the 2.50 that is in the upper 13% and 3.0 in the upper 9% according to a survey by Traxler, et al. for Agricultural Economics Full Professors at Southern Land Grant Universities with a research appointment. Concurrently, annual credit hours taught (as weighted by portion of responsibility in team taught courses) has averaged 5.71 while 6 credit hours represents the upper 26% of full professors for the same survey

Three invited refereed journal articles are joined by five invited paper presentations as well seven invited lectures at international, national and regional conferences and events to demonstrate acceptance of international and national reputation by various organizations (including the Journal of Agriculture and Applied Economics and the American Society of Agronomy/Crop Science Society of America/Soil Science Society of America)

Selected as an associate editor (as a representative of the American Agricultural Economics Association) for farm management and production economics submissions to the Agronomy Journal which serves as a multidisciplinary journal of the AAEA and other associations. This is for a 3 year term beginning 2005.

Nationally highlighted research includes Farm Journal, Top Producer and Science News Online

Interviewed as precision agriculture expert by USAG Magazine, a national farm publication

Invited to speak at the National Association of Farm Business Analysis Specialists 2001 Annual Conference to discuss risk management

Provided review at invitation of Kay and Edwards' textbook Farm Management (4th edition), probably the most widely used textbook for Farm Management or Agribusiness Management Principles courses of American colleges and universities

Reviewer for special edition of Computers and Electronics in Agriculture, Volume 58, Issue 1, August 2007, entitled "Precision Agriculture in Latin America"

RESEARCH

BOOK CHAPTERS:

* - Indicates Senior Authorship throughout refereed publications section

Dillon, C.R.* “A Framework for Economic Analysis of Cropping Systems: Profitability, Risk Management and Resource Allocation.” Cropping Systems: Trends and Advances. ed. Anil Shrestha. Also listed as invited refereed journal article. pp 409-432. 2003. Haworth Press.

McCarl, B.A., **C.R. Dillon**, K.O. Keplinger and R.L. Williams. “Limiting Pumping from the Edwards Aquifer: An Economic Investigation of Proposals, Water Markets, and Spring Flow Guarantees.” The Management of Water Resources, Irrigated Agriculture and the Environment, ed. James S. Shortle and Ronald C. Griffin, pp. 257-268. 2001. Edward Elgar Publishing Inc. Also listed as a 1999 Refereed Journal Article.

REFEREED JOURNAL ARTICLES:

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 Vol.69(1) 2006. 106-116.

Mueller, T.G., H. Cetin, R.A. Fleming, **C.R. Dillon**, A.D. Karathanasis and S.A. Shearer. “Erosion Probability Maps: Calibrating Precision Agriculture Data with Soil Surveys Using Logistic Regression. **Invited.** Journal of Soil and Water Conservation. 60,6 (2005): 121-127.

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.” **Invited.** Journal of Crop Production. 9,1&2(2003):409-432. Also listed as a book chapter.

Popp, M.P., **C.R. Dillon** and T.C. Keisling. “Economic and Weather Influences on Soybean Planting Strategies on Heavy Soils.” Agricultural Systems. 76,3(2003):969-984.

Popp, M.P., T.C. Keisling, R.W. McNew, L.R. Oliver, **C.R. Dillon** and D.M. Wallace. “Planting Date, Cultivar and Tillage System Effects on Dryland Soybean Production.” Agronomy Journal. 94,1(2002):81-88.

- Maynard, L.J., **C.R. Dillon** and J. Carter. “Go Ahead, Count Your Chickens: Cross-Hedging Strategies in the Broiler Industry.” Journal of Agricultural and Applied Economics . 33,1(2001):79-90.
- Popp, M.P., T.C. Keisling, **C.R. Dillon** and P.M. Manning. “Economic and Agronomic Assessment of Deep Tillage in Soybean Production on Mississippi River Valley Soils.” Agronomy Journal. 93,1(2001):164-169.
- Popp, M.P., T.C. Keisling, L.R. Oliver, **C.R. Dillon** and P.M. Manning. “Analysis of Seedbeds and Maturity Groups for Dryland Soybean on Clayey Soil.” Agronomy Journal. 93,4(2001):827-835.
- Wilson, Jr., C.E., T.C. Keisling, D.M. Miller, **C.R. Dillon**, A.D. Pearce, D.L. Frizzell and P.A. Counce. “Tillage Influence on Soluble Salt Movement in Silt Loam Soils Cropped to Paddy Rice.” Soil Science Society of America Journal 64(2000):1771-1776.
- Popp, M.P., L.R. Oliver, **C.R. Dillon**, T.C. Keisling and P.M. Manning. “Evaluation of Seedbed Preparation, Planting Method and Herbicide Alternatives for Dryland Soybean Production.” Agronomy Journal. 92,6(2000):1149-1155.
- Dillon, C.R.*** “Production Practice Alternatives for Income and Suitable Field Day Risk Management.” **Invited.** Journal of Agricultural and Applied Economics. 31,2(1999): 247-261. Also listed as Invited Paper Presentation.
- Dillon, C.R.***, D.F Rutherford, T.C. Keisling and L.R. Oliver. “Economic Assessment of Irrigated and Nonirrigated Soybean Cropping Rotations on a Clay Soil.” Communications in Soil Science and Plant Analysis. 30,7&8(1999):1165-1182.
- McCarl, B.A.,**C.R. Dillon**, K.O. Keplinger and R.L. Williams. “Limiting Pumping from the Edwards Aquifer: An Economic Investigation of Proposals, Water Markets and Springflow Guarantees.” Water Resources Research. 35,4(1999):1257-1268.
- Oriade, C.A, **C.R. Dillon*** and T.C.Keisling. “Economics of Wheat Residue Management in Doublecrop Soybean.” Journal of Production Agriculture. 12,1(1999):5-6; 42-48.
- Pearce, A.D., **C.R. Dillon***, T.C. Keisling and C.E. Wilson, Jr. “Agronomic and Economic Effects of Four Tillage Practices on Salinity Damage in Rice.” Journal of Production Agriculture. 12,2(1999):169-170; 305-312.

- Dillon, C.R.***, T.C. Keisling, R.D. Riggs and L.R. Oliver. "The Profit Potential of Soybean Production Rotation Systems in Arkansas." Communication in Soil Science and Plant Analysis. 28,19&20(1997): 1693-1709
- Oriade, C.A., **C.R. Dillon*** E.D. Vories and M.E. Bohanan. "An Economic Analysis of Alternative Cropping and Row Spacing Systems for Soybean Production." Journal of Production Agriculture. 10,4(1997): 533-534, 619-624.
- Oxner, M.D., **C.R. Dillon***, T.C. Keisling and P.Counce. "An Agronomic and Economic Evaluation of Commonly Used Wheat Planting Methods in the Lower Mississippi River Delta." Journal of Production Agriculture. 10,4(1997): 531-532,613-618.
- Oriade, C.A. and **C.R. Dillon***. "Developments in Biophysical and Bioeconomic Simulation of Agricultural Systems: A Review." Agricultural Economics. 17,1(1997): 45-58.
- Dillon, C.R.***, C. Price and J. Morris. "Wine and Juice Marketing Decisions: The Case of the French Paradox." The Southern Business and Economic Journal. 20,2(1997):130-143.
- Flynn, A.G., **C.R. Dillon***, and T. Windham. "The Effects of the Revised 1993 ASAE Equipment Coefficients on Cost Estimates." Journal of the American Society of Farm Managers and Rural Appraisers. 60(1996):60-64.
- Roberts, T.A., **C.R. Dillon***, and T.J. Siebenmorgen. "The Impact of Food Processing." Food Technology. 50,10(1996):65-68
- Dillon, C.R.*** "Breakeven Analysis as an Aid to Planting and Harvesting Decisions." Journal of the American Society of Farm Managers and Rural Appraisers. 58(1994):10-12.
- Dillon, C.R.*** and D. Moorman. "A Qualitative Characteristics Model of County Youth Fair Animal Prices." Texas Journal of Agriculture and Natural Resources. 6(1993):11-24.
- Dillon, C.R.*** "Advanced Breakeven Analysis of Agricultural Enterprise Budgets." Agricultural Economics. 9(1993):127-143. Translated into Russian by Luba Zilcken for the Lagansk Agricultural Institute, Ukraine.
- Dillon, C.R.*** and T.A. Roberts. "Breakeven Analysis for Interrelated Input Prices." Southern Business and Economic Journal. 16,4(1993):242-252.

Dillon, C.R.* "Microeconomic Effects of Reduced Yield Variability Cultivars for Soybeans and Wheat." Southern Journal of Agricultural Economics. 24,1(1992): 121-133.

Dillon, C.R.*, J.W. Mjelde, and B.A. McCarl. "Biophysical Simulation Models: Recommendations for Users and Developers." Computers and Electronics in Agriculture. 6(1991):213-224.

Dillon, C.R.* and J.E. Casey. "Elasticity of Breakeven Prices Between Agricultural Enterprises." Texas Journal of Agriculture and Natural Resources. 4(1990):33-36.

Dillon, C.R.*, J.W. Mjelde, and B.A. McCarl. "Biophysical Simulation in Support of Crop Production Decisions: A Case Study in the Blacklands Region of Texas." Southern Journal of Agricultural Economics. 21,1(1989):73-86.

REFEREED PUBLISHED PROCEEDINGS:

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.

Shockley, J.M., **C.R. Dillon*** and S. Saghaian. "Precision Agriculture Adoption and the Optimal Location of Technology Providers in Kentucky, USA." Proceedings of the 6th European Conference on Precision Agriculture. J Stafford, ed. Skiathos, Greece. June 3-6, 2007. 769-773.

Stombaugh, T.S. B.K. Koostra, **C.R. Dillon**, T.G. Mueller and A.C. Pike. "Implications of Topography on Field Coverage When Using GPS-Based Guidance" Proceedings of the 6th European Conference on Precision Agriculture. J Stafford, ed. Skiathos, Greece. June 3-6, 2007. 465-471.

Fulton, J., S. Shearer, S. Higgins, T. McDonald, **C.R. Dillon** and T. Stombaugh. “Variable-Rate Fertilizer Application Assessment Using an As-Applied Methodology” Proceedings of the 6th European Conference on Precision Agriculture. J Stafford, ed. Skiathos, Greece. June 3-6, 2007. 681-687.

Dillon, C.R.*, T. Mueller and S.A. Shearer. “An Economic Optimization Model for Management Zone Configuration.” 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.” Proceedings of the 4th European Conference on Precision Agriculture. J Stafford and A. Werner, ed. Berlin, Germany. June 15-19, 2003. 171-176.

Dillon, C.R.*, S. Saghaian, J. Salim and M. Kanakasabai. “Optimal Water Storage Location and Management Zone Delineation Under Variable Subsurface Drip Irrigation.” Proceedings of the 5th European Conference on Precision Agriculture. J Stafford, ed. Uppsala, Sweden. June 9-12, 2005. 959-965.

Salim, J., **C.R. Dillon***, S. Saghaian and D. Hancock. 2005. Economic Response of Site Specific Management Practices on Alfalfa Production Quantity and Quality. Proceedings of the 2nd European Conference on Precision Livestock Agriculture. S. Cox, editor. 241-247.

REFEREED UNIVERSITY AND GOVERNMENT REPORTS AND BULLETINS:

Dillon, C.R.*, J. Morris, C. Price, and D. Metz. The Technological and Economic Framework of Wine and Juice Production in Arkansas. Arkansas Agricultural Experiment Station Bulletin #941, June 1994.

Dillon, C.R.*, C. Price, J. Morris, and D. Ward. An Appraisal of the Economic Feasibility of Wine and Juice Production in Arkansas. Arkansas Agricultural Experiment Station Bulletin #942, June 1994.

McCarl, B.A., W.R. Jordan, R.L. Williams, L.L. Jones, and **C.R. Dillon**. Economic and Hydrologic Implications of Proposed Edwards Aquifer Management Plans. Texas Water Resources Institute Technical Report 158 and Texas Agricultural Experiment Station PR 93-4, March 1993.

Dillon, C.R.*, J.W. Mjelde, B.A. McCarl, J.T. Cothren, J.R. Martin, M.E. Rister, and C. Stockle. Integrating Economic Analysis with Biophysical Simulation: Appraising Blacklands Corn Production. Texas Agricultural Experiment Station Bulletin, B-1654, 1989.

REFEREED UNIVERSITY AND GOVERNMENT ARTICLES:

Dillon, C.R.*, C. Price, and J. Morris. "Juice Production Economics in Small to Medium Sized Wineries." Arkansas Farm Research. Vol. 42 No. 5, September-October (1993):10-11.

Dillon, C.R.*, C. Price, and J. Morris. "Economic Analysis of Winery Business Operations." Arkansas Farm Research. Vol. 42 No. 2, March-April (1993):8-9.

Carter, J.D., J.W. Goodwin, and **C.R. Dillon**. "Estimating Changes in U.S. Pork Production." Arkansas Farm Research. Vol. 41 No. 2, March-April (1992):6-8.

GRANTS AWARDED:

Region Risk Management Education Center. USDA – CSREES RMA. \$49,961. Retirement Portfolio Planning for Farmers. **C. Dillon** and E. Bazen. 2007.

United States Department of Agriculture. CSREES-Special Grant through Hatch Funds. 2007-2008. Precision Resources Management, Phase II. "Lightbar and Soil Types under Variable Fertilizer Application." **C. Dillon**, G. Halich and J. Gandonou. \$49,851.

United States Department of Agriculture. CSREES-Special Grant through Hatch Funds. 2007-2008. New Crop Opportunities: Phase VIII. "An Economic Evaluation of NonGMO Corn and NonGMO Soybeans." **C. Dillon**. \$31,360.

United States Department of Agriculture. CSREES-Special Grant. 2006-2009. New Crop Opportunities: Phase VII. "A Whole Farm Management Profit and Risk Model." **C. Dillon**. \$53,583.

United States Department of Agriculture. CSREES-Special Grant. 2006-2009. Precision Resources Management, Phase I. "Precision Timing and Spatial Allocation of Economic Fertilizer Application." **C. Dillon** and J. Gandonou. \$40,000.

Southern Region Risk Management Education Center. USDA – CSREES RMA. \$39,976. Precision Agriculture Decision Aids for Risk Reduction. **C. Dillon**, T. Stombaugh, S. Isaacs and J. Salim. 2005.

United States Department of Agriculture. CSREES-Special Grant. 2005-2008. New Crop Opportunities: Phase VI. "An Econometric Assessment of Specialty Grain Crops in Kentucky." **C. Dillon** and S. Isaacs. \$56,806

United States Department of Agriculture. CSREES-Special Grant. 2004-2007. "Precision Agriculture: Development and Assessment of Integrated Practices for Kentucky Producers, Phase VI." S. Shearer, T. Mueller and **C. Dillon**. \$615,682.

United States Department of Agriculture. CSREES-Special Grant. 2004-2007. New Crop Opportunities: Phase V. “A Risk Management Analysis of Low Phytate Corn in Kentucky.” **C. Dillon**, M. Kanakasabai, R. Fleming and S. McNeill. \$40,054.

Natural Resources Conservation Service. 2004-2007. “Demonstration of Enhanced Technologies for Land Application of Animal Nutrient Sources in Sensitive Watersheds.” S. Higgins, S. Shearer, M. Coyne, R. Coffey, **C. Dillon**. \$354,572.

United States Department of Agriculture. CSREES-Special Grant. 2003-2006. “Precision Agriculture: Development and Assessment of Integrated Practices for Kentucky Producers, Phase IV.” Scott Shearer, Thomas Mueller and **Carl Dillon**. \$689,110, including \$68,724 for “Integration of Management Zone Research” and \$69,167 for “Variable Rate Technology Risk Management”

United States Department of Agriculture. CSREES-Special Grant. 2002-2005. “Precision Agriculture: Development and Assessment of Integrated Practices for Kentucky Producers, Phase IV.” Scott Shearer, Thomas Mueller and **Carl Dillon**. \$685,620, including \$112,494 for “Tracking Field Operations for Economic Analysis and Identity Preservation”

United States Department of Agriculture. CSREES-Southern Regional IPM Program. 2001-2004. “Development of a Soybean Aphid Management Strategy for the Southern Region.” Co-principal Investigator. \$21,300 of \$133,755.

United States Department of Agriculture. CSREES-Special Grant. 2001-2004. “Precision Agriculture: Development and Assessment of Integrated Practices for Kentucky Producers, Phase III.” Scott Shearer, Thomas Mueller and **Carl Dillon**. \$701,162, including \$56,976 for “Optimal Management Zone Delineation”, \$40,070 for “Breakeven Analysis and Interest Rate Considerations in Precision Agriculture Adoption” and \$59,058 for “Economic Advisory Aids for Precision Agriculture Users”

United States Department of Agriculture. CSREES-Special Grant. 2000-2003. “Precision Agriculture: Development and Assessment of Integrated Practices for Kentucky Producers, Phase II.” Scott Shearer, Thomas Mueller and **Carl Dillon**. \$795,174 including \$54,900 for “Precision Farming Adoption in Kentucky: The Role of Capital Costs and Farm Size”.

United States Department of Agriculture. CSREES-Special Grant. 1999-2002. “Precision Agriculture: Development and Assessment of Integrated Practices for Kentucky Producers.” Scott Shearer, Thomas Mueller and **Carl Dillon**. \$467,800, including \$48,000 for “An Economic Assessment of Precision Agriculture and Decision Aids”

Kentucky Corn Growers' Association, 1999. "Precision Agriculture: Development and Assessment of Integrated Practices for Kentucky Producers." Scott Shearer, Thomas Mueller and **Carl Dillon**. \$4680.

Arkansas Rice Research and Promotion Board, 1998. "Investigation and Application of Whole Farm Systems Approach to Crop Production Management." Co-principal Investigator. \$15,450.

Arkansas Soybean Promotion Board, 1998. "Investigation and Application of Whole Farm Systems Approach to Crop Production Management." Co-principal Investigator. \$10,000.

Arkansas Soybean Promotion Board, 1998. "Improving Soybean Profitability: Economics of Production." Co-principal Investigator. \$36,000 of \$72,000.

Arkansas Soybean Promotion Board, 1998. "Low-Input Irrigated Soybeans on Heavy Clay." Co-principal Investigator. \$1,600 of \$10,000.

Arkansas Soybean Promotion Board, 1998. "Low-Input Nonirrigated Soybean Production." Co-principal Investigator. \$0 of \$44,000.

Arkansas Rice Research and Promotion Board, 1997. "Investigation and Application of Whole Farm Systems Approach to Crop Production Management." Co-principal Investigator. \$15,000.

Arkansas Soybean Promotion Board, 1997. "Improving Soybean Profitability: Economics of Production." Co-principal Investigator. \$41,750 of \$75,250.

Arkansas Soybean Promotion Board, 1997. "Improving Soybean Profitability: Soybean Production Under Low-Input Nonirrigated Conditions." Co-principal Investigator. \$8,836 of \$114,758.

Dale Bumpers College of Agricultural, Food & Life Sciences, 1996. "Economic Analysis of Arkansas' Agricultural Sector." Co-principal Investigator. \$3,250 of \$17,250.

Arkansas Soybean Promotion Board, 1996. "Improving Soybean Profitability: Economics of Production." Co-principal Investigator. \$42,000 of \$75,407.

Arkansas Soybean Promotion Board, 1996. "Improving Soybean Profitability: Soybean Production Under Low-Input Nonirrigated Conditions." Co-principal Investigator. \$9,920 of \$104,758.

Foundation Funding for Competitive Events, 1996. "Support for the University of Arkansas Academic Bowl Teams at the 1997 Student Section of the American Agricultural Economics Association Meeting." \$1,000.

Dale Bumpers College of Agricultural, Food and Life Sciences, 1995. "An Investigation of the Importance and Impact of the Food Processing Industry on the Arkansas Economy." \$14,140 of \$19,640.

Arkansas Soybean Promotion Board, 1995. "Improving Soybean Profitability: Economics of Production." Co-principal Investigator. \$42,750 of \$75,000.

Arkansas Soybean Promotion Board, 1995. "Improving Soybean Profitability: Soybean Production Under Low-Input Nonirrigated Conditions." Co-principal Investigator. \$9,920 of \$75,000.

Foundation Funding for Competitive Events, 1995. "Support for the University of Arkansas Academic Bowl Teams at the 1996 Student Section of the American Agricultural Economics Association Meeting." \$1,500.

University of Arkansas Teaching and Faculty Support Center, 1995. "Teaching Grant Program." \$2,000.

Arkansas Soybean Promotion Board, 1994. "Improving Soybean Profitability: Economics of Production." Co-principal Investigator. \$42,750 of \$75,000.

Arkansas Soybean Promotion Board, 1994. "Improving Soybean Profitability: Soybean Production Under Low-Input Nonirrigated Conditions." Co-principal Investigator. \$9,920 of \$75,000.

Foundation Funding for Competitive Events, 1994. "Support for the University of Arkansas Academic Bowl Teams at the 1995 Student Section of the American Agricultural Economics Association Meeting." \$1,850.

University of Arkansas Teaching Academy, 1994. Carl Dillon and Ed Fryar. Interactive Computer Projection Panel. \$2,000.

Arkansas Soybean Promotion Board, 1993. "Improving Soybean Profitability: Economics of Production." Co-principal Investigator. \$42,750 of \$75,000.

Arkansas Soybean Promotion Board, 1993. "Improving Soybean Profitability: Soybean Production Under Low-Input Nonirrigated Conditions." Co-principal Investigator. \$9,920 of \$75,000.

Foundation Funding for Competitive Events, 1993. "Support for the University of Arkansas Academic Bowl Teams at the 1994 Student Section of the American Agricultural Economics Association Meeting." \$1,000.

Arkansas Soybean Promotion Board, 1992. "Production Management Techniques for Lessening Cross Effects of Price Risk and Yield Risk." Principal Investigator. \$22,000.

University of Arkansas College of Agriculture and Home Economics, 1992. "New Faculty Grant." \$1,300 of \$3,900.

Foundation Funding for Competitive Events, 1992. "Support for the University of Arkansas Academic Bowl Team at the 1993 Student Section of the American Agricultural Economics Association Meeting." \$1,000.

Arkansas Soybean Promotion Board, 1991. "An Economic Analysis of Production Risk Related to Variability in Yields and Irrigation Requirements of Soybeans." Principal Investigator. \$15,710.

Low Input Sustainable Agriculture, 1991. "Use of Poultry Litter as a Soil Amendment in Southern Row Crop Agriculture: A Feasibility Study Based on Agronomic, Environmental, and Economic Factors." Co-principal Investigator.

Arkansas Rice Research and Promotion Board, 1991. "The Structure of Rice Production: A Profile of Producer Characteristics and Attitudes." Co-principal Investigator. \$23,995.

Foundation Funding for Competitive Events, 1991. "Support for the University of Arkansas Academic Bowl Team at the 1992 Student Section of the American Agricultural Economics Association Meeting." \$1,304.

Foundation Funding for Competitive Events, 1990. "Support for the University of Arkansas Academic Bowl Team at the 1991 Student Section of the American Agricultural Economics Association Meeting." \$630.

INVITED PAPER PRESENTATIONS:

Dillon, C.R., J.K. Salim, A.J. McAllister and D.W. Hancock. "An Integrated Precision Production and Environmental Management Analysis of a Kentucky Dairy Farm." Invited paper presented at the Western Canadian Dairy Seminar. Red Deer, Alberta, Canada. March 8-10, 2006. *Advances in Dairy Technology : Strategies and Tools – Managing Tomorrow's Dairy Farm*. K. Beauchemin and L. Doepel, eds. 18(2006):103-113. Also listed as a published proceeding.

Dillon, C.R. and J. Grove. "Profitability and Risk Management Potential of Different Remedial Processes for Low Yielding Areas." Invited paper presented at the American Society of Agronomy/Crop Science Society of America/Soil Science Society of America meetings, Denver, Colorado. November 2-6, 2003.

Dillon, C.R. "Production Practice Alternatives for Income and Suitable Field Day Risk Management." Invited paper presented at the Southern Agricultural Economics Association meeting, Memphis, Tennessee. January 31-February 3, 1999. Also listed as an invited refereed journal article.

Dillon, C.R. "The Basis of Production, Marketing and Financial Decisionmaking for Wineries and Vineyards." Proceedings of the Ninth Annual Midwest Regional Grape and Wine Conference. pp. 37-54. Osage Beach, Missouri. January 30 - February 1, 1994. Also listed as a published proceeding.

Dillon, C.R. "Some Ideas for the Potential Improvement of Profitability for Wineries." Proceedings of the Texas Wine and Grape Growers Association, 1993. Houston, Texas. October 7-10, 1993. Also listed as a published proceeding.

INVITED LECTURES:

Dillon, C.R. "An Economic Optimization Model for Management Zone Delineation." University of Alberta. Edmonton, AB. Canada. March 9, 2006.

Dillon, C.R. "Panel on Risk Perspectives." 2001 National Farm Business Analysis Specialists Annual Conference. Bowling Green, Kentucky. June 11-15, 2001.

Dillon, C.R. and A.G. Flynn. "Balancing Profits and Production Risk." 1994 Arkansas Soybean Research Conference. Jonesboro, Arkansas. December 7-8, 1994.

Dillon, C.R. "The Economic Management of Vineyards and Wineries." Kansas Grape Growers and Winemakers Association Annual Conference. Topeka, Kansas. February 19-20, 1994.

Dillon, C.R. and A.G. Flynn. "Profitability and Risk Management of Dryland Soybeans." 1993 Arkansas Soybean Research Conference. Little Rock, Arkansas. December 15-16, 1993.

Dillon, C.R., J. Morris, and D. Metz. "Economic Feasibility of Wine and Juice Production." Regional Enology Workshop. Fayetteville, Arkansas. May 28, 1993.

Morris, J., C. Price, and **C.R. Dillon**. "The Economics of Winemaking Panel Discussion." Regional Enology Workshop. Fayetteville, Arkansas. May 19, 1992.

ORGANIZED SYMPOSIA:

- Dillon, C.,** Saghaian, S., and Salim, J.. Management Zones and Application Error. Organized symposium paper presented at the *Southern Agricultural Economics Association Annual Meetings*, Little Rock, Arkansas, February 5-9, 2005. Symposium abstract in the *Journal of Agricultural and Applied Economics*. 37, 2 (August 2005):515.
- Dillon, C.** and C.A. Oriade. "Exploring the Relationships between Direct Utility, E-V and MOTAD Risky Choices." Presented as part of Recurrent and Emerging Issues in Risk Management Models at the American Agricultural Economics Association meeting, Tampa, Florida. July 30-August 2, 2000.
- Dillon, C.** "Incorporation of Risk into Crop Budgets." Presented as part of Problems in Crop Enterprise Budgeting at the Southern Agricultural Economics Association meeting, Lexington, Kentucky, January 29-February 2, 2000. Symposium abstract in the Journal of Agricultural and Applied Economics. 32,2 (2000):417.
- Dillon, C.** and C.A. Oriade. "Simulation for Crop Production and Management." Presented as part of Agricultural Simulation in the 21st Century: An Evaluation of its Continuous Relevance at the American Agricultural Economics Association meeting, Toronto, Ontario, Canada, July 27-30, 1997. Symposium abstract in the American Journal of Agricultural Economics. 79,5 (1997):1687.

PUBLISHED PROCEEDINGS:

See above for *refereed* published proceedings articles

- Dillon, C.R.,** J.K. Salim, A.J. McAllister and D.W. Hancock. "An Integrated Precision Production and Environmental Management Analysis of a Kentucky Dairy Farm." **Invited** paper presented at the Western Canadian Dairy Seminar. Red Deer, Alberta, Canada. March 8-10, 2006. *Advances in Dairy Technology : Strategies and Tools – Managing Tomorrow's Dairy Farm*. K. Beauchemin and L. Doepel, eds. 18(2006):103-113.
- Pierce, C., **C. Dillon** and L. Wells. "An Economic Optimization and Risk Management Model for Precision Deep Tillage." Poster presentation. *Book of Abstracts of the 5th European Conference on Precision Agriculture*. C, Heemskerk and M. Engvall, eds. Uppsala, Sweden. June 9-12, 2005. 241-242.
- Dillon, C.R.,** T. Mueller and S.A. Shearer. "The Value of Innovative Seed Coatings to Delay Germination under Field Average and Variable Rate Technology." Proceedings of the 6th International Conference on Precision Agriculture. Minneapolis, Minnesota. July 14-17, 2002. 1814-1827.

- Fulton, J.P, S.A. Shearer, T.S. Stombaugh, **C.R. Dillon** and S.F. Higgins. “‘As-Applied’ Model Validation for Variable-Rate Application of Granular Materials.” Proceedings of the 6th International Conference on Precision Agriculture. Minneapolis, Minnesota. July 14-17, 2002. 1218-1227.
- Mueller, T.G, K.L. Wells, G.W. Thomas, R.I. Barnhisel, N.J. Hartsock, A. Kumar, **C.R. Dillon** and S.A. Shearer. “Soil Fertility Map Quality: Case Studies in Kentucky.” Proceedings of the 5th International Conference on Precision Agriculture. Minneapolis, Minnesota. July 16-19, 2000. CD-ROM.
- Pearce, A., **C.R. Dillon**, T.C. Keisling, C. Friddle, and M.P. Popp. “Using Deep Tillage to Improve Yields From Dryland Soybeans: An Economic Analysis.” Proceedings of the 22nd Annual Southern Conservation Tillage Conference for Sustainable Agriculture. Georgia Agricultural Experiment Station Special Publication 95(1999):178-183.
- Gordon, E.C., T.C. Keisling, D.M. Wallace, L.R. Oliver and **C.R. Dillon**. “Influence of Tillage System, Planting Date and Cultivar Selection on Soil Water and Soybean Yield under Dryland Soybean Production.” Proceedings of the Southern Conservation Tillage Conference for Sustainable Agriculture. AES Spec. Rpt. 186. pp. 32-37. Little Rock, Arkansas. July 15-17, 1998.
- Keisling, T.C., **C.R. Dillon**, and E.E. Evans. “Ridge-Till Implementation on Full Scale Production Field: Keys to Success.” Proceedings of the 1995 Beltwide Cotton Conference. pp. 1367-1368. San Antonio, Texas. January 4-7, 1995.
- Keisling, T.C., **C.R. Dillon**, L.R. Oliver, J.M. Faulkner, A.G. Flynn. "Profitability of Seven Nonirrigated Soybean Cropping Rotations on a Shallow Silt Loam Soil." Proceedings of the 1995 Southern Tillage Conference for Sustainable Agriculture. pp. 12-15. Jackson, Mississippi. June 1995.
- Keisling, T.C., **C.R. Dillon**, L.R. Oliver, F.L. Baldwin, L.O. Ashlock and E.E. Evans. "Preplant and Post-Plant Tillage for Full Season Soybeans on Clayey and Silt Loam Soils." Proceedings of the 1994 Southern Conservation Tillage Conference for Sustainable Agriculture. pp. 168-170. Columbia, South Carolina. June 7-9, 1994.
- Keisling, T.C., **C.R. Dillon** and E.E. Evans. "Successful Ridge-Till Implementations on a Production Cotton Field." Proceedings of the 1994 Southern Conservation Tillage Conference for Sustainable Agriculture. pp.171-173. Columbia, South Carolina. June 7-9, 1994.

- Dillon, C.R.**, M. Cochran and T. Windham. "An Economic Evaluation of Irrigated and Non-Irrigated Southern State Soybean Production." Proceedings of the 1994 Southern Soybean Conference. pp. 70-75. Memphis, Tennessee. February 14-16, 1994.
- Dillon, C.R.** "The Basis of Production, Marketing and Financial Decisionmaking for Wineries and Vineyards." Proceedings of the Ninth Annual Midwest Regional Grape and Wine Conference. pp. 37-54. Osage Beach, Missouri. January 30 - February 1, 1994. Also listed as an invited paper presentation.
- Dillon, C.R.**, J.R. Morris, and C. Price. "Effects of Grape and Other Raw Material Prices on Winery Profitability." Arkansas State Horticultural Society: Proceedings of the 114th Annual Meeting. pp. 65-69. Fort Smith, Arkansas. November 17-18, 1993.
- Dillon, C.R.** and C. Rom. "Make 'Cents' with Good Orchard Economics." Arkansas State Horticultural Society: Proceedings of the 114th Annual Meeting. pp. 94-97. Fort Smith, Arkansas. November 17-18, 1993.
- Dillon, C.R.** "Some Ideas for the Potential Improvement of Profitability for Wineries." Proceedings of the Texas Wine and Grape Growers Association, 1993. Houston, Texas. October 7-10, 1993. Also listed as an invited paper presentation.
- Keisling, T.C., L.R. Oliver, F.L. Baldwin, L.O. Ashlock, **C.R. Dillon**, and E.E. Evans. "Preplant and Post-Plant Tillage for Full Season Soybeans on Clayey and Silt Loam Soils." Proceedings of the 1993 Southern Conservation Tillage Conference for Sustainable Agriculture. pp. 132-134. Monroe, Louisiana. June 15-17, 1993.
- Evans, E.E., T.C. Keisling, L.R. Oliver, F.L. Baldwin, L.O. Ashlock, and **C.R. Dillon**. "Stubble Management, Preplant Tillage, and Row Spacing for Double-Cropped Soybeans." Proceedings of the 1993 Southern Conservation Tillage Conference for Sustainable Agriculture. pp. 160-162. Monroe, Louisiana. June 15-17, 1993.
- Dillon, C.R.**, J.R. Morris, and C. Price. "Economics of Adding a Juice Processing Line to an Existing Winery." Arkansas State Horticultural Society: Proceedings of the 113th Annual Meeting. Little Rock, Arkansas. November 19-20, 1992.
- R. Lynn Williams, **C.R. Dillon**, and B.A. McCarl. "An Economic Investigation of Edwards Aquifer Water Use Tradeoffs." Papers of the 1992 Annual Meeting: Western Agricultural Economics Association. pp. 422-428. Colorado Springs, Colorado. July 12-15, 1992.

Dillon, C.R., J.W. Mjelde, and B.A. McCarl. "Recommendations on the Implementation and Development of Biophysical Simulation Models in Agricultural Economic Research." Proceedings of the Society for Computer Simulation. pp. 741-746. Austin, Texas. July 24-27, 1989.

PROFESSIONAL PRESENTATIONS:

Salim, J. and **C.R. Dillon**. "Precision Feeding in Dairy Ration Cost Minimization Under Producer's Risk Management" Paper presented at the *Southern Agricultural Economics Association Annual Meetings*, Mobile, Alabama, February 5-9, 2007. Abstract in the *Journal of Agricultural and Applied Economics*. 39, 2 (August 2007):forthcoming.

Gandonou, J. and **C.R. Dillon**. "Precision Timing and Spatial Allocation of Economic Fertilizer Application" Paper presented at the *Southern Agricultural Economics Association Annual Meetings*, Mobile, Alabama, February 5-9, 2007. Abstract in the *Journal of Agricultural and Applied Economics*. 39, 2 (August 2007):forthcoming.

Shockley, J., S. Saghaian and **C.R. Dillon**. "Cost Sensitivity Analysis on the Optimal Location of Technology Providers in Kentucky" Paper presented at the *Southern Agricultural Economics Association Annual Meetings*, Mobile, Alabama, February 5-9, 2007. Abstract in the *Journal of Agricultural and Applied Economics*. 39, 2 (August 2007):forthcoming.

Conrad, E., **C.R. Dillon** and J. Gandonou. "Variable Rate Fertilization Profitability on High-Oil Corn Production" Paper presented at the 8th International Conference on Precision Agriculture, Minneapolis, Minnesota, July 23-26, 2006.

Gandonou, J. and **C.R. Dillon**. "Precision Timing and Spatial Allocation of Economic Fertilizer Application" Paper presented at the 8th International Conference on Precision Agriculture, Minneapolis, Minnesota, July 23-26, 2006.

Shockley, J., S. Saghaian, **C. Dillon**, and L. Maynard. "A Logit Analysis of Precision Agriculture Adoption in Kentucky." Paper presented at the 8th International Conference on Precision Agriculture. Minneapolis, Minnesota. July 23-26, 2006.

Dillon C., J. Gandonou, B. Koostra, T. Stombaugh, T. Mueller "Evaluating the Economic Impact of Field Area Measurements" Poster presented at the 8th International Conference on Precision Agriculture, Minneapolis, Minnesota, July 23-26, 2006.

- Salim, J., **C. Dillon**, and J. McAllister. Risk management on application of minimum-cost feed ration for nitrogen and phosphorus reduction on dairy farm. Paper presented at the 2006 American Agricultural Economic Association Meeting in July 23-27, 2006, Long Beach, California.
- Salim, J., **C. Dillon**, and J. Gandonou. Profit maximization under risk reducing behavior using variable cutting timings for Kentucky alfalfa. Paper presented at the 2006 Precision Agriculture Conference in July 23-26, 2006, Minneapolis, MN.
- Pierce, C., **C. Dillon** and L. Wells. “An Economic Evaluation of Precision Deep-Tillage Practices through the Analysis of Comparative Enterprise Budgets.” Paper presented at the *Southern Agricultural Economics Association Annual Meetings*, Little Rock, Arkansas, February 5-9, 2005. Abstract in the *Journal of Agricultural and Applied Economics*. 37, 2 (August 2005):508.
- Saghaian, S., **C. Dillon**, J. Salim, and M. Kanakasabai. “Comparison of Decision Rules for Subsurface Drip Irrigation Practices Using a Non-Linear Mathematical Programming Model.” Paper presented at the *Southern Agricultural Economics Association Annual Meetings*, Little Rock, Arkansas, February 5-9, 2005. Abstract in the *Journal of Agricultural and Applied Economics*. 37, 2 (August 2005):505-506.
- Salim, J., **C. Dillon**, S. Saghaian, J. McAllister, and D. Amaral-Phillips. “Profitability of Dairy Cattle Through Precision Livestock Farming Management Practices.” Paper presented at the *Southern Agricultural Economics Association Annual Meetings*, Little Rock, Arkansas, February 5-9, 2005. Abstract in the *Journal of Agricultural and Applied Economics*. 37, 2 (August 2005):508.
- Salim, J., **C. Dillon**, J. McAllister and D. Hancock. An integrated precision production and environmental management analysis of a Kentucky Dairy Farm. Paper presented at the American Agricultural Economics Association (AAEA) Annual Meeting, July 24-27, 2005. Providence, Rhode Island, USA.
- Kanakasabai, M. and **C.R. Dillon**. “Potential for Farm Adaptation to Global Climatic Change in Kentucky .” Paper presented at the American Agricultural Economics Association meeting. Denver, Colorado. August 1-4, 2004.
- Hao, J., M. Kanakasabai, J.R. Skees and **C. R. Dillon** . “Hedging Crop Risk with Weather Index and Individual Crop Insurance.” Paper presented at the Southern Agricultural Economics Association meeting. Tulsa, Oklahoma, February 14-18, 2004.

- Gandonou, J. and **C.R. Dillon**. “Precision Agriculture, Whole Field Farming and Irrigation Practices: A Financial Risk Analysis.” Paper presented at the American Agricultural Economics Association meeting. Denver, Colorado, August 1-4, 2004.
- Gandonou, J. and **C.R. Dillon**. “The Potential of Precision Agriculture in a Developing Country: Cotton in Benin.” Paper presented at the 7th International Conference on Precision Agriculture. Minneapolis, Minnesota. July 25-28, 2004.
- Salim, J., **C. R. Dillon** and M. Kanakasabai. “Economic Comparison of Subsurface Drip Irrigation Practices.” Paper presented at the 7th International Conference on Precision Agriculture. Minneapolis, Minnesota. July 25-28, 2004.
- Dillon, C.**, J. Salim and M. Kanakasabai. “The Impact of Farmer Risk Preference on Optimal Nutrient Management Zone Delineation.” Paper presented at the 7th International Conference on Precision Agriculture. Minneapolis, Minnesota. July 25-28, 2004.
- Powers, L., **C. Dillon**, S. Isaacs and S. Saghaian. “Development and Use of Risk Maps in Precision Agriculture.” Paper presented at the 7th International Conference on Precision Agriculture. Minneapolis, Minnesota. July 25-28, 2004.
- Spaulding, A., S. Saghaian, **C. Dillon**, T. Mueller and S. Shearer. “The Value of Soil Electrical Conductivity and Topographical Information for Variable Rate Nitrogen Application.” Paper presented at the 7th International Conference on Precision Agriculture. Minneapolis, Minnesota. July 25-28, 2004.
- Gandonou, J., **C.R. Dillon**, W. Harman and J. Williams. “Precision Farming as a Tool in Reducing Environmental Damages in Developing Countries: A Case Study of Cotton Production in Benin.” Paper presented at the American Agricultural Economics Association meeting. Montreal, Quebec, Canada. July 27-30, 2003.
- Gandonou, J., **C.R. Dillon**, M. Kanakasabai and S. Shearer. “Precision Agriculture, Whole Field Farming and Irrigation Practices: A Production Risk Analysis.” Paper presented at the Southern Agricultural Economics Association meeting. Mobile, Alabama. February 2-5, 2003. 35,2 (2003):428-429.
- Hancock, D.W., T.S. Stombaugh, S.A. Shearer, T.G. Mueller, **C.R. Dillon**. “Extension Outreach in Precision Agriculture for Kentucky.” Paper presented at the 2003 American Society of Agricultural Engineers Annual International Meeting. Las Vegas, Nevada. July 27-30, 2003. ASAE Paper No. 031098, St. Joseph, MI:ASAE.

- Powers, L., **C.R. Dillon**, S. Isaacs and S. Shearer. "Risk Management Tools in Precision Agriculture." Paper presented at the Southern Agricultural Economics Association meeting. Mobile, Alabama. February 2-5, 2003. 35, 2(2003):427.
- Dillon, C.R.** "A Mathematical Programming Model for Optimal Management Zone Delineation in Precision Agriculture." Paper presented at the American Agricultural Economics Association meeting. Long Beach, California. July 28-31, 2002.
- Kanakasabai, M., **C.R. Dillon**, J.R. Skees and R. Fleming. "A Microeconomic Study of Farm Adaptation under Global Climate Change." Paper presented at the Southern Agricultural Economics Association meeting. Orlando, Florida. February 2-6, 2002. Abstract in Journal of Agricultural and Applied Economics. 34,2 (2002):367.
- Powers, L.A., S.G. Isaacs, **C.R. Dillon** and S.A. Shearer. "Development of a Decision-Making Advisory Framework for Users of Precision Agriculture: A Production/Nonproduction Decision Example." Paper presented at the Southern Agricultural Economics Association meeting. Orlando, Florida. February 2-6, 2002. Abstract in Journal of Agricultural and Applied Economics. 34,2 (2002):372.
- Miriti, M.K, **C.R. Dillon** and J.R. Skees. "A Farmer's Optimal Insurance Portfolio of Rainfall Index Contracts and Production Practices: A Case Study of a Kentucky Crop Farm." Paper presented at the Southern Agricultural Economics Association meeting. Orlando, Florida. February 2-6, 2002. Abstract in Journal of Agricultural and Applied Economics. 34,2 (2002):376.
- Gandonou, JM. and **C.R. Dillon**. "A Comparative Analysis of Profit Maximizing, Solvency Enhancement and Risk Management Objectives." Paper presented at the Southern Agricultural Economics Association meeting. Orlando, Florida. February 2-6, 2002. Abstract in Journal of Agricultural and Applied Economics. 34,2 (2002):376.
- Popp, M.P. and **C.R. Dillon**. "Research Transfer: Estimating Benefits of Multi-State Field Trials." Paper presented at the Southern Agricultural Economics Association meeting. Orlando, Florida. February 2-6, 2002. Abstract in Journal of Agricultural and Applied Economics. 34,2 (2002):377.
- Dillon, C.R.**, S.A. Shearer and T. Mueller. "A Mixed Integer, Nonlinear Programming Model of Innovative Variable Rate Planting Date with Polymer Seed Coatings." Paper presented at the American Agricultural Economics Association meeting. Chicago, Illinois. August 4-8, 2001.

- Coffey, B.K., J. Skees, **C.R. Dillon** and J. Anderson. "Potential Effects of Subsidized Livestock Insurance on Livestock Production." Paper presented at the American Agricultural Economics Association meeting. Chicago, Illinois. August 4-8, 2001.
- Kanakasabai, M., **C.R. Dillon** and J. Skees. "Microeconomic Evaluation of Farm Risk Management Decisions in Kentucky." Paper presented at the 2001 Western Agricultural Economics Association meeting. Logan, Utah. July 8-11, 2001. Abstract in Journal of Agricultural and Resource Economics. 26,2 (2001):568.
- Stull, J. D., **C.R. Dillon**, S.A. Shearer, S.G. Isaacs and S. Riggins. "Use of Geographically Referenced Grain Yield Data for Location and Enrollment of Vegetative Buffer Strips in the Conservation Reserve Program." Paper presented at the 2001 American Society of Agricultural Engineers Annual International Meeting. Sacramento, California. July 30-August 1, 2001. ASAE Paper No. 011028. St. Joseph, MI:ASAE.
- Gandonou, JM., T.S. Stombaugh, **C.R. Dillon** and S.A. Shearer. "Precision Agriculture: A Break-Even Acreage Analysis." Paper presented at the 2001 American Society of Agricultural Engineers Annual International Meeting. Sacramento, California. July 30-August 1, 2001.
- Dillon, C.R.**, T. Mueller and S.A. Shearer. "An Assessment of the Profitability and Risk Management Potential of Variable Rate Seeding and Planting Date." Paper presented at the Southern Agricultural Economics Association meeting. Fort Worth, Texas. January 28-31, 2001. Abstract in Journal of Agricultural and Applied Economics. 33,3 (2001):622.
- Gandonou, JM. **C.R. Dillon**, S.G. Isaacs and S.A. Shearer. "Precision Agriculture: A Breakeven Acreage Analysis." Paper presented at the Southern Agricultural Economics Association meeting. Fort Worth, Texas. January 28-31, 2001. Abstract in Journal of Agricultural and Applied Economics. 33,3 (2001):626.
- Coffey, B.K., **C.R. Dillon** and J.D. Anderson. "The Consideration of Feed Ingredient Price and Nutrient Composition Risk in the Formulation of Optimal Feed Rations for Beef Cattle." Paper presented at the Southern Agricultural Economics Association meeting. Fort Worth, Texas. January 28-31, 2001. Abstract in Journal of Agricultural and Applied Economics. 33,3 (2001):629.
- Brown, G.C., K.V. Yeagan, **C.R. Dillon**, R.L. Trimble and D.E. Hershman. "Application of Hazard Analysis and Critical Control Point (HACCP) Methodology to IPM Decision-Making Protocols." Paper presented at the Entomological Society of America meeting. San Diego, California. December 9-12, 2001.

- Carter, J., L. Maynard and **C.R. Dillon**. "Perfect Cross-Hedging Opportunities via Formula Pricing: The Case of the Broiler Industry." Paper presented at the American Agricultural Economics Association meeting. Tampa, Florida. July 30-August 2, 2000.
- Kanakasabai, M., **C.R. Dillon** and R. Fleming. "Microeconomic Impact of Weather Variability on Risk Management." Paper presented at the Southern Agricultural Economics Association meeting. Lexington, KY. January 29-February 2, 2000. Abstract in Journal of Agricultural and Applied Economics. 32,2 (2000): 401.
- Shearer, S.A., T.G. Mueller, **C.R. Dillon**, J.P. Fulton, N. Hartsock and J. Stull. "A GIS-Based Simulation Model for Estimating the Potential Benefits of Variable-rate Fertilizer Application." Paper presented at the 2000 American Society of Agricultural Engineers Annual International Meeting. Milwaukee, Wisconsin. July 8-12, 2000. ASAE Paper No. 001105. St. Joseph, MI:ASAE.
- Stull, J., **C.R. Dillon**, S.G. Isaacs and S.A. Shearer. "Using GPS Data to Optimally Allocate Land in Production to CRP Buffer Strips." Paper presented at the Southern Agricultural Economics Association meeting. Lexington, KY. January 29-February 2, 2000. Abstract in Journal of Agricultural and Applied Economics. 32,2 (2000): 405.
- Pearce, A.D., M.P. Popp and **C.R. Dillon**. "An Evaluation of Seedbed Preparation Strategies on Arkansas Dryland Soybeans." Paper presented at the Southern Agricultural Economics Association meeting. Lexington, KY. January 29-February 2, 2000. Abstract in Journal of Agricultural and Applied Economics. 32,2 (2000): 407.
- Griffin, T.W., C.A. Oriade and **C.R. Dillon**. "The Economics of Precision Farming in Arkansas." Paper presented at the Southern Agricultural Economics Association meeting, Memphis, Tennessee. January 31-February 3, 1999. Abstract in Journal of Agricultural and Applied Economics. 31, 2(1999):396.
- Dillon, C.R., C.A. Oriade and L.D. Parsch. "Transferability of Research Recommendations: A Case Study of Arkansas Soybean Production." Paper presented at American Agricultural Economics Association meeting, Salt Lake City, Utah, August 2-5, 1998. Also available as a Departmental Publication of the Department of Agricultural Economics. SP0598, University of Arkansas, June 1998. Abstract in American Journal of Agricultural Economics. 80,5 (1998):p. 1198.

- Dillon, C.R.** and C.A. Oriade. "Transferability of Research Recommendations: A Case Study of Arkansas Soybean Production." Paper presented at the Southern Agricultural Economics Association meeting, Little Rock, Arkansas. February 1-4, 1998. Also available as a Departmental Publication of the Department of Agricultural Economics. SP0198, University of Arkansas, January 1998. Abstract in Journal of Agricultural and Applied Economics. 30, 1(1998):227.
- Oriade, C.A. and **C.R. Dillon**, "Consistency of Production Choices Under Expected Value-Variance and Direct Utility Models: An Empirical Investigation." Paper presented at the Southern Agricultural Economics Association meeting, Little Rock, Arkansas. January 31-February 4, 1998. Also available as a Departmental Publication of the Department of Agricultural Economics. SP0298, University of Arkansas, January 1998. Abstract in Journal of Agricultural and Applied Economics. 30, 1(1998): 231.
- Pearce, A.D., **C.R. Dillon**, C.E. Wilson, T.C. Keisling and D. Frizzell. "An Economic Analysis of Four Tillage Procedures for the Control of Salinity Damage in Rice." Paper presented at the Southern Agricultural Economics Association meeting, Little Rock, Arkansas. January 31-February 4, 1998. Also available as a Departmental Publication of the Department of Agricultural Economics. SP0398, University of Arkansas, January 1998. Abstract in Journal of Agricultural and Applied Economics. 30, 1(1998): 230.
- Dillon, C.R.**, T.C. Keisling, R.D. Riggs and L.R. Oliver. "A Multidisciplinary Assessment of Alternative Soybean Rotation and Tillage Practices." Paper presented at the Southern Soil and Water Conservation Society meeting, Birmingham, Alabama, February 1-5, 1997. Also available as a Departmental Publication of the Department of Agricultural Economics. SP0197, University of Arkansas, January, 1997.
- Keisling, T.C., **C.R. Dillon**, M.D. Oxner and P. Counce. "Agronomic and Economic Feasibility of Selected Arkansas Wheat Planting Methods." Paper presented at the Southern Soil and Water Conservation Society meeting, Birmingham, Alabama, February 1-5, 1997.
- Oriade, C.A., **C.R. Dillon** and T.C. Keisling. "Economics of Wheat Residue Management in Arkansas Double-cropped Soybeans." Paper presented at the Southern Soil and Water Conservation Society meeting, Birmingham, Alabama, February 1-5, 1997.
- Roberts, T.A., **C.R. Dillon** and B.L. Dixon. "Development of Regression Models to Predict Soybean Futures Prices as A Function of lagged Commodity Futures Prices." Paper presented at the Southern Agricultural Economics Association meeting, Birmingham, Alabama, February 2-5, 1997. Abstract in Journal of Agricultural and Applied Economics. 29, 1(1997): 206.

Dillon, C.R. "An Analysis of Grade Perceptions of Selected Journals by Agricultural Economists." Paper presented at American Agricultural Economics Association meeting, San Diego, California, August 7-10, 1994. Also available as a Departmental Publication of the Department of Agricultural Economics. SP0594, University of Arkansas, August 1994. Abstract in American Journal of Agricultural Economics. 76,5 (1994):p. 1268.

Dillon, C.R. and M.J. Cochran. "Empirical Comparison of Mean-Variance and Target MOTAD Analysis for Arkansas Soybean Production." Paper presented at the Southern Agricultural Economics Association meeting, Nashville, Tennessee, February 5-9, 1994. Abstract in Journal of Agricultural and Applied Economics. 26,1(1994):335.

Dillon, C.R. "A Test to Determine the Acceptability of Mean-Variance Analysis." Paper presented at the Southern Agricultural Economics Association meeting, Lexington, Kentucky, February 2-5, 1992. Abstract in Southern Journal of Agricultural Economics. 24,1(1992):298.

Dillon, C.R. and B.A. McCarl. "An Economic Investigation of Water Use Tradeoffs in the Edwards Aquifer." Paper presented at Southwestern Economics Association meeting, San Antonio, Texas, March 27-30, 1991.

Dillon, C.R. and B.A. McCarl. "An Economic Analysis for Water Management of the Edwards Underground Aquifer." Paper presented at American Geophysical meeting, San Francisco, California, December 4-8, 1989. Abstract published in EOS, Transactions, American Geophysical Union. 70,43(Oct. 24, 1989):1120.

Dillon, C.R., J.W. Mjelde, and B.A. McCarl. "Comments on Development and Use of Biophysical Simulation Models." Paper presented at American Agricultural Economics Association meeting, Baton Rouge, Louisiana, July 26-August 2, 1989. Also available as a Departmental Publication of the Department of Agricultural Economics. DIR 89-1 SP-4, Texas A&M University, July 1989. Abstract in American Journal of Agricultural Economics. 71,5(1989):1343.

POSTERS:

Mahnken, C., **C.R. Dillon**, J. Gandonou, B. Koostra, T. Stombaugh and T. Mueller. "Economic Loss from Plainimetric versus Actual Surface Area in Production" Poster presented at the 6th European Conference on Precision Agriculture. Skiathos, Greece. June 3-6, 2007.

Kayrouz, B., **C.R. Dillon** and S. Shearer. "Production Cost Maps as a Tool for Improved Farm Management" Poster presented at the 6th European Conference on Precision Agriculture. Skiathos, Greece. June 3-6, 2007.

- Salim, J. and **C.R. Dillon**. “Integrating Risk Management for Profit Maximization Using Variable Cutting Times for Alfalfa” Poster presented at the 6th European Conference on Precision Agriculture. Skiathos, Greece. June 3-6, 2007.
- Dillon, C.R.** S. A. Shearer and T. G. Mueller. “Melding Interdisciplinary Research with Teaching in Precision Agriculture” Poster presented at the North American Colleges and Teachers of Agriculture Annual Conference. Vancouver, British Columbia. June 7-9, 2006.
- Gandonou, J. and **C.R. Dillon**. “Precision Agriculture versus Irrigation Practices in Kentucky: A Comparative Production Risk Analysis”. Poster presented at the American Agricultural Economics Association meeting, Montreal, Quebec, Canada, July 27-30, 2003.
- Dillon, C.R.**, L.A. Powers and S.G. Isaacs. “Strategic Decision Making Using Precision Agriculture Data.” Poster presented at the American Agricultural Economics Association meeting. Long Beach, California. July 28-31, 2002.
- Gandonou, JM., **C.R. Dillon** and M. Kanakasabai. “Custom Hiring versus Equipment Ownership in Precision Agriculture.” Poster presented at the American Agricultural Economics Association meeting. Long Beach, California. July 28-31, 2002.
- M. Kanakasabai and **C.R. Dillon**. “Design of a Cooperative Module that Enhances Farm Level Environmental Quality.” Poster presented at the American Agricultural Economics Association meeting. Long Beach, California. July 28-31, 2002.
- Dillon, C.R.** and S.A. Shearer. “Using Spatial Data to Make Strategic Decision for Profitability and Risk Management.” Poster presented at the 6th International Conference on Precision Agriculture. Minneapolis, Minnesota. July 14-17, 2002. 1859.
- Dillon, C.R.**, J. Stull, S.G. Isaacs, S. Riggins and S.A. Shearer. “Using GPS and Economics to Manage Risk through CRP Filter Strips.” Poster presented at the American Farm Bureau meeting. Orlando, FL. January 6-8, 2001.
- Dillon, C.R.**, J. Stull, S.G. Isaacs, S. Riggins and S.A. Shearer. “An Economic Risk Analysis of Optimal GPS Identified Filter Strips Under Varying Land Tenure Arrangements.” Poster presented at University of Kentucky GIS Day 2000. Lexington, KY. November 15, 2000.
- Gandonou, JM., **C.R. Dillon**, S.G. Isaacs, S.A. Shearer and T. Stombaugh. “Economically Efficient GIS Adoption in Precision Agriculture.” Poster presented at University of Kentucky GIS Day 2000. Lexington, KY. November 15, 2000.

- Dillon, C.R.**, D.F. Rutherford, T.C. Keisling and L.R. Oliver. "Economic Assessment of Irrigated and Non-irrigated Soybean Cropping Rotations on a Clay Soil." Poster presented at the Southern Association of Agricultural Scientists Conference. Lexington, KY. January 29-February 2, 2000.
- Pearce, A.D., **C.R. Dillon**, T.C. Keisling and C.G. Friddle. "An Economic Analysis of Deep Tillage Operations in Dryland Soybeans." Poster presented at the Southern Agricultural Economics Association meeting, Memphis, Tennessee. January 31-February 3, 1999.
- Wilson, C. E., T.C. Keisling, D.L. Frizell, N.A. Slaton, **C.R. Dillon**, A.D. Pearce and P.A. Counce. "Impact of Deep Tillage on Salinity Injury to Rice." Poster presented at the National Conservation Tillage Cotton and Rice Conference. Little Rock, Arkansas. January 20-21, 1998.
- Wilson, C. E. , T.C. Keisling, D.L. Frizell, N.A. Slaton, **C.R. Dillon**, A.D. Pearce and P.A. Counce. "Impact of Deep Tillage on Salinity Injury to Rice." Poster presented at the Southern Association of Agricultural Scientists Conference. Little Rock, Arkansas, January 31-February 4, 1998.
- Dillon, C.R.**, T.C. Keisling, R.D. Riggs, L.R. Oliver and L. Fultz. "Profitability of Nonirrigated Soybean Cropping Rotations." Poster presented at the Southern Soybean Conference, Myrtle Beach, South Carolina, February 11-13, 1997.
- Glover, R.E., E.D. Vories, L.O. Ashlock, L.C. Purcell, W.L. Mayhew, P.L. Tacker and **C.R. Dillon**. "Plant Population Effects on Clay Soil." Poster presented at the Southern Soybean Conference, Myrtle Beach, South Carolina, February 11-13, 1997.
- Oriade, C.A., **C.R. Dillon**, E.D. Vories, M.E. Bohanan and L. Fultz. "Economic Implications of Row Spacing and Bedding Systems on Arkansas Soybeans." Poster presented at the Southern Soybean Conference, Myrtle Beach, South Carolina, February 11-13, 1997.
- Dillon, C.R.**, T.C. Keisling, R.D. Riggs, L.R. Oliver, "Profitability of Nonirrigated Soybean Cropping Rotations." Poster presented at the American Society of Agronomy Annual Meetings, Anaheim, California, October 26-31, 1997
- Oxner, M.D., **C.R. Dillon**, T.C. Keisling and P. Counce. "An Agronomic and Economic Evaluation of Commonly Used Wheat Planting Methods in the Lower Mississippi River Delta." Poster presented at the American Society of Agronomy Annual Meetings, Anaheim, California, October 26-31, 1997
- Oriade, C.A., **C.R. Dillon**, T.C. Keisling, "Economics of Wheat Residue Management in Arkansas Double-Cropped Soybeans." Poster presented at the American Society of Agronomy Annual Meetings, Anaheim, California, October 26-31, 1997

Wilson, C.E.Jr., T.C. Kiesling, D.J. Frizzell, N.A. Slaton, **C.R. Dillon**, A.D. Pearce and P.A. Counce. "Monitoring Water and Solute Movement in Future-irrigated Soils with Percolation Samplers and RPM Sensors." Poster presented at the American Society of Agronomy Annual Meetings, Anaheim, California, October 26-31, 1997

NON-REFEREED JOURNAL ARTICLES:

Dillon, C.R., D.L. Neff, C. Price and J.R. Morris. "The French Paradox and Increased Winery Profitability." Wine East. 24,5 (January-February 1997):14-21.

Dillon, C.R., C. Price and J.R. Morris. "The Impact of Input Costs on Winery Profits." Wine East. (February 1996):6-17.

Dillon, C.R., J.R. Morris and C. Price. "Wine Pricing Guidelines Based upon Production Cost Changes." Wines and Vines. (March 1994):32-36.

Dillon, C.R., J.R. Morris and C. Price. "Making Money by Making Wine: West Coast and Eastern Comparisons." Vineyard and Winery Management. (March-April 1993):37-42.

Price, C., **C.R. Dillon**, J.R. Morris, and D. Metz. "Equipment Costs for Small-Sized to Medium-Sized Wineries." Wine East: 1993 Buyer's Guide. 21(1993):4-19,46.

Dillon, C.R., J.R. Morris, C. Price, D. Ward, and D. Metz. "Economic Considerations for Small-Sized to Medium-Sized Wineries." Wine East: 1992 Buyer's Guide. 20(1992):6-23.

Dillon, C.R., J.R. Morris, and C. Price. "Adding a Juice Line to a Winery." Wine East. 20 (May-June 1992):8-15.

NON-REFEREED UNIVERSITY AND GOVERNMENT ARTICLES:

Peters, B., **Dillon, C.R.**, G. Ibendahl and R.L Trimble. 1998 Wheat Costs and Returns: Kentucky Farm Business Management Program. University of Kentucky Department of Agricultural Economics, Extension No. 2000-06. March 2000.

Ramming, W., **Dillon, C.R.** and G. Ibendahl. 1998 Double Crop Soybean Costs and Returns: Kentucky Farm Business Management Program. University of Kentucky Department of Agricultural Economics, Extension No. 2000-07. March 2000.

Ramming, W., **Dillon, C.R.** and G. Ibendahl. 1998 Full Season Soybean Costs and Returns: Kentucky Farm Business Management Program. University of Kentucky Department of Agricultural Economics, Extension No. 2000-08. March 2000.

- Dillon, C. R.**, A. G. Flynn, T. C. Keisling, L. R. Oliver, L. O. Ashlock and F. L. Baldwin. "The Economic Effects of Altered ASAE Machinery Cost Coefficients Standards Upon No-Till and Conventional Tillage Comparisons". Conservation Technology in Arkansas Agriculture 1993, pp. 1-7, University of Arkansas Research Series 442, January 1995.
- Keisling, T.C., **C. R. Dillon**, L. R. Oliver, F. L. Baldwin, L. O. Ashlock and E. E. Evans. "PrePlant and Post-Plant Tillage for Full-Season Soybeans on Clayey and Silt Loam Soils". Conservation Technology in Arkansas Agriculture 1993, pp. 70-73, University of Arkansas Research Series 442, January 1995.
- Keisling, T.C., **C. R. Dillon** and E. E. Evans. "Successful Ridge-Till Implementation on a Production Cotton Field". Conservation Technology in Arkansas Agriculture 1993, pp. 74-78, University of Arkansas Research Series 442, January 1995.
- Keisling, T.C., L. R. Oliver, F. L. Baldwin, L. O. Ashlock, **C. R. Dillon** and E. E. Evans. "Stubble Management, PrePlant Tillage and Row Spacing for Double-Cropped Soybeans". Conservation Technology in Arkansas Agriculture 1992, pp. 30-34, University of Arkansas Research Series 432, August 1993.
- Keisling, T.C., L. R. Oliver, F. L. Baldwin, L. O. Ashlock, **C. R. Dillon** and E. E. Evans. "PrePlant and Post-Plant Tillage for Soybean Production Clayey and Silt Loam Soils". Conservation Technology in Arkansas Agriculture 1992, pp. 35-38, University of Arkansas Research Series 432, August 1993.

POPULAR ARTICLES:

- Mahnken, C.L., B.M. Kayrouz, **C.R. Dillon**, and T.S. Stombaugh. "Is Lightbar Right for You?" Kentucky Farm Business Management Fall 2006 Newsletter.
- T. Stombaugh, **C. Dillon** and S. Shearer. What Will This Investment Cost? Implementing Precision Agriculture Series. University of Kentucky Cooperative Service PA-6. 2004. 2 pp.
- Gandonou, J., **C. Dillon**, S. Shearer and T. Stombaugh. "Is My Operation Big Enough to Buy Precision Ag Equipment?" Site Specific Issues. Harvest 2003. 1-2.
- Powers, L., **C.R. Dillon**, S.G. Isaacs and S.A. Shearer. "Strategic Decision Making with Precision Agriculture Data." Site Specific Issues. Vol. 1 No. 1, September 2002.
- T.S. Stombaugh, T.G. Mueller, S.A. Shearer, **C.R. Dillon**, G.T. Henson. Guidelines for Adopting Precision Agriculture Practices. University of Kentucky Cooperative Service PA-2. 2001. 4 pp.

- Dillon, C.** and S. Isaacs. "Use Farm Records to Measure Risk." Economic and Policy Update, Cooperative Extension Service, Vol. 00, No. 4, March 17, 2000.
- Dillon, C.** and S. Isaacs. "Breakeven Between Crops." Economic and Policy Update, Cooperative Extension Service, Vol. 99, No. 17, December 10, 1999.
- Isaacs, S. and **C. Dillon.** "Breakeven Harvest Yields." Economic and Policy Update, Cooperative Extension Service, Vol. 99 No. 13, September 24, 1999.
- Dillon, C.,** G. Ibendahl, S. Isaacs and L. Powers. "Economic Analysis of Roundup Ready Soybean Programs." Economic and Policy Update, Cooperative Extension Service, Vol. 99, No. 9, July 30, 1999.
- Isaacs, S., R. Trimble, **C. Dillon** and G. Ibendahl. "Farm Financial Crisis Management." in Agricultural Situation and Outlook - Fall 1999. Department of Agricultural Economics, University of Kentucky, ESM-25, October 1999.
- Isaacs, S., R. Trimble, **C. Dillon** and G. Ibendahl. "Farm Financial Survival in the Current Farm Crisis." in Agricultural Situation and Outlook - Fall 1998., Steve Riggins and Linda Inman, Editors. ESM-24. University of Kentucky, Department of Agricultural Economics. Oct 1998.
- Bryant, K. and **Dillon, C.R.** "Hay Harvesting Costs." Farm Management and Marketing Newsletter, Cooperative Extension Service, Vol. 6 No. 2, June 1998.
- Oriade, C., **C.R. Dillon** and D. Settlage. "Soybean Production and Marketing Risk." Farm Management and Marketing Newsletter, Cooperative Extension Service, Vol. 6 No. 2, June 1998.
- Pearce, A., **C.R. Dillon**, T. Keisling and C. Wilson, Jr. "Effects of Four Tillage Practices on Salinity Damage in Rice." Farm Management and Marketing Newsletter, Cooperative Extension Service, Vol. 6 No. 2, June 1998.
- Dillon, C.R.** and Parsch, L.D. "Measuring Crop Yield Risk." Farm Management and Marketing Newsletter, Cooperative Extension Service, Vol. 5 No. 3, September 1997.
- Dillon, C.R.** "Breakeven Analysis Between Crops." Farm Management and Marketing Newsletter, Cooperative Extension Service, Vol. 5, No. 1, March 1997.
- Oriade, C., **C.R. Dillon** and T. Keisling. "Economics of Wheat Residue Management in Arkansas Soybeans." Farm Management and Marketing Newsletter, Cooperative Extension Service, Vol. 5, No. 1, March 1997.

Dillon, C.R., T. Keisling, R. Riggs, and L. Oliver. "Soybean Cropping Rotation Decisions." Farm Management and Marketing Newsletter, Cooperative Extension Service. Vol. 4, No. 4, December 1996.

Oriade, C., **C.R. Dillon**, and E. Vories. "Economic Analysis of Alternative Cropping and Row Spacing Systems in Arkansas Soybeans." Farm Management and Marketing Newsletter, Cooperative Extension Service. Vol. 4, No. 4, December 1996.

Dillon, C.R. and M.D. Oxner. "Wheat Planting Methods." Farm Management and Marketing Newsletter, Cooperative Extension Service. Vol. 4, No. 3, September 1996.

Dillon, C.R. "Harvest Breakeven Analysis." Farm Management and Marketing Newsletter, Cooperative Extension Service. Vol. 4, No. 2, June 1996.

Dillon, C.R. "Machinery Costs." Farm Management and Marketing Newsletter, Cooperative Extension Service. Vol. 4, No. 1, March 1996.

Dillon, C.R. "Base Decisions to Plant Corn on Economics." Southwest Farm Press-Blacklands Northeast Edition. Vol. 16 No. 8, April 20, 1989.

DEPARTMENTAL PUBLICATIONS:

Mjelde, J.W., M.E. Rister, **C.R. Dillon**, and R.D. Barker. 1986 Texas Corn/Grain Sorghum Producers' Survey Results. Department of Agricultural Economics. DIR 87-1 SP-4, Texas A&M University, July 1987.

Rister, M.E., J.W. Mjelde, M.R. Parker, and **C.R. Dillon**. 1985 Gulf Coast Corn/Grain Sorghum Producers' Survey Results. Department of Agricultural Economics. DIR 86-1 SP-3, Texas A&M University, April 1986.

SOFTWARE DEVELOPED:

Isaacs, S., **C. Dillon** and L. Powers. Breakeven Harvest Yields: A Decision Aid. September 1999.
<http://www.uky.edu/Agriculture/AgriculturalEconomics/data/baledharvestinstr.html>

Isaacs, S., **C. Dillon** and L. Powers. Roundup Ready Soybeans. July 1999.
<http://www.uky.edu/Agriculture/AgriculturalEconomics/data/baledrrbeansinstr495.html>

TEACHING

SUMMARY RECENT COURSE EVALUATIONS:

Title	Enrollment	Year	Evaluation ¹
AEC 302 Agricultural Management Principles ³	56	Spr 99	3.2/3.3
UK 101 Academic Orientation	17	Fall 99	NA/NA
AEC 302 Agricultural Management Principles ³	49	Spr 00	3.6/3.4
AEC 661 Programming Models in Agricultural Economics	5	Spr 00	3.6/3.2
AEC 302 Agricultural Management Principles ³	55	Spr 01	3.6/3.3
AEC 661 Programming Models in Agricultural Economics	8	Spr 01	3.2/3.1
AEN 599 Topics in Agr. Engineering: Precision Agriculture ²	14	Spr 01	3.4/3.5
AEC 302 Agricultural Management Principles ³	55	Spr 02	3.4/3.3
AEC 661 Programming Models in Agricultural Economics	5	Spr 02	NA/NA
BAE 599 Topics in Agr. Engineering: Precision Agriculture ²	12	Spr 02	3.8/3.8
BAE 599 Topics in Agr. Engineering: Precision Agriculture ²	9	Spr 03	3.6/3.7
AEC 302 Agricultural Management Principles ³	53	Fall 03	3.4/3.6
AEC 302 Agricultural Management Principles ³	52	Spr 04	3.3/3.5
AEC 661 Programming Models in Agricultural Economics	8	Spr 04	3.3/3.6
BAE 599 Topics in Agr. Engineering: Precision Agriculture ²	10	Spr 04	3.4/3.3
BAE 599 Topics in Agr. Engineering: Precision Agriculture ²	8	Spr 05	3.7/3.7
AEC 302 Agricultural Management Principles ³	55	Spr 05	3.3/3.4
AEC 302 Agricultural Management Principles ³	54	Spr 06	3.4/3.6
AEC 661 Programming Models in Agricultural Economics	6	Fall 06	3.3/3.4

1. Overall quality of teaching/overall value of the course (on 4.0 scale); not included is a week of instruction on farm business management, a management lab exercise and exam questions for ASC 382, Animal Production Principles
2. Team taught, responsible for 1/3 of course, individual instructor evaluations begin 2002 while group instructor evaluations precede that
3. Represents an average evaluation of the two sections offered

COURSE DESCRIPTIONS:

AEC 302 Agricultural Management Principles - 4 credits

A comprehensive study of economic principles and management tools useful in farm and agribusiness decision making. Utilizes a systems approach to the planning, implementation and control of the agricultural business. Specific attention to application of management and decision theory, economic principles used in decision making, and risk management strategies. Emphasis on planning the future course of the business, acquiring and managing the necessary resources, and establishing physical and financial control over the business. Lab incorporates micro-economic applications of management principles developed in lectures.

AEC 661 Programming Models in Agricultural Economics - 3 credits

A study of some mathematical programming models useful in agricultural economics; includes an examination of the structure of the models themselves, economic interpretation of their components and their use in research in agricultural economics.

AEN 599 or BAE 599 Topics in Agr Engineering: Precision Agriculture - 3 credit hours

This is a multidisciplinary, team taught class for which Dr. Dillon has approximately one third of the teaching responsibility. It is a course designed for students who desire to understand the acquisition and analysis of geographically referenced data for the management of crop production systems. Topics include: mapping, map projections, implementation of global positioning systems, data formats, geographic information systems, grid sampling, soil fertility and physical properties, yield monitoring, variable-rate application, crop modeling and economics.

UK 101 Academic Orientation - 1 credit hour pass/fail

This course is designed to help first-year students 1) form beneficial relationships with students, faculty and staff, 2) understand the purpose and nature of a university education in order to make the most of opportunities at UK, 3) acquire skills for achieving academic success such as study skills and library skills, 4) increase awareness and use of University resources (e.g., instructors, advisors, library, Counseling and Testing Center) and 5) reflect on transitional issues that first-year students often face in a college environment.

SELECTED RECENT STUDENT COMMENTS:

AEC 302

Very well instructed. Enjoyed the class and learned a lot.

Very good class, mainly because Dr. Dillon is an outstanding instructor. I really enjoyed this class.

Dr. Dillon really knows his Ag. Econ! I like how the grading is set up, with emphasis on the lab. Lab is where I learned the most.

Dr. Dillon did a very good job. He made the class interesting.

Good teacher.

Although the course was a challenge, I feel I was able to take some very valuable information away from it. The course could not have been taught any better!

Good job keeping us awake!

Dr. Dillon is a great teacher that can relate topics to the real world. He is one of the best teachers that I have had at UK.

Good class; well taught.

Dr. Dillon did a good job teaching the material. He was eager to help students both in and out of the classroom.

I enjoyed the class, you were very easy to understand and helpful when questions were raised. You pushed me to learn and understand what was going on.

I enjoyed this class and the instructor.

Great instructor, I would recommend this class and instructor to a friend.

Great class with a very intelligent professor, definitely an asset to the University.

Dr. Dillon is by far the best professor I have had in college.

Good job teaching this class.

I really thought that this class was one of the best I have taken here at the University. I thoroughly enjoyed attending class.

Dr. Dillon is a great teacher, very helpful and has a wealth of knowledge on the subject.

Enthusiastic and engaging

Hire more people like Dr. Dillon. The last teacher I had like this was in the 8th grade. I've learned more in this class than I ever did in the College of Business. Thanks Dr. Dillon.

Thought the class was well organized

This is a very important class for everyone. I almost wish I could take it again!

Even though this was some of the most difficult classes I have taken, it was very interesting. Dr. Dillon did a great job of effectively delivering material and helping students. This class seems very beneficial with an obvious practical application.

Great class. Wonderful job teaching. Helping my own farm finances. Thank you!!!

I though the class was taught well.

Good class, really enjoyed it!

The teacher was very informed on up to date topics. He is truly a Ph.D. at heart.

The class was taught in a very effective manner and was easy to learn. Instructor had good knowledge of material.

Great class. Homework and lab helped me in understanding subject material. Thought you taught material very well. Easy to talk to you about problems on work.

Dr. Dillon presented coursework in a manner that was understandable, even for those of us who just transferred into Ag.

Very positive teaching, even if answer was wrong, tried to make it sound right.

Dr. Dillon is very enthusiastic about his work.

The instructor presented material in an effective, highly organized manner and returned assignments promptly. He did an excellent job and should be commended for it.

Good class. I learned a lot, especially since I don't have a farm background.

Best class I have had since I've been at UK. He pushed me to do my best.

Dr. Dillon is a great teacher!!

Dr. Dillon did a very good job.

I enjoyed the class. Dr. Dillon's teaching methods are very effective.

This class was very organized and I learned a lot in this class. No complaint at all.

Dr. Dillon is one of the most informative professors I have ever had. I give him an A++! I have learned more in one semester in this College and class than I learned in all other semesters.

AEC 661

Interesting and useful class. Great teacher with gather material. Thanks

Great class and good opportunity to learn new computer skills (GAMS). Keep up the good work!

This course provides us a new technique to analyze the data which is interesting. I found this professor cooperative. This will help to design my future research.

Very good course. Dr. Dillon does a very good job teaching it, and is always ready to help. I think I really got a lot out of this class.

The greatest strength of instructor is his enthusiasm for the course.

I felt that the overall class was excellent.

The instructor's effort in getting me to understand the concepts was outstanding.

BAE 599

Great class, the three teachers system works well for this class.

Very helpful, I really appreciated it.

Great

Dr. Dillon's projects were very interesting and useful.

No complaints with your section. It really helped that you led us through the assignments. You gave us an idea of what you wanted so we knew what to do.

Instructor went out of his way to accommodate and help students. Extremely knowledgeable about subject matter.

The instructor was helpful and covered appropriate material.

Good teacher! He was very willing to help in/out of class, really cared about students learning. His assignments were very real-life.

I have only good things to say about Dr. Dillon. Keep up the good work.

BAE 599 was an excellent intro. to precision ag. The team taught approach allowed the students to benefit from different points of view. Dr. Dillon attended almost all lectures, even when he was not teaching. I think that was very helpful and appreciated. The lecture material was presented in a clear format and assignment reflected the lectures. Dillon was always available outside of class for assistance. I really enjoyed the class and learned a lot. Thanks!!

Carl, you did well. I like the interdisciplinary approach as well.

I really enjoyed this class. It has been very beneficial to me. It has allowed me to build on the knowledge I already had and has shown me how it applies to real situations. Being able to work on the exercises during class was very beneficial. The course was extremely well taught.

You made the material very easy to understand. I like how we talk about the homework (what's expected) before we actually do the questions - it clarifies any problems/questions.

You made the class very fun/enjoyable. Good job - thanks!

Great class. The class format, lecture, exercise was beneficial. The notes and access to the website helped. I learned a lot this semester.

RECENT POST-DOCTORAL SCHOLARS AND ASSOCIATES ADVISING

Jean-Marc Gandonou. Post-doctoral Scholar. August 8, 2005 to present.
Juma Salim. Post-doctoral Scholar. April 21, 2004 to June 20, 2007.
Baohui Song. Post-doctoral Scholar. July 9, 2006 to July 31, 2007.
Curtis Mahnken. Extension Associate. June 26, 2006 to February 28, 2007.
Sayed Saghaian. Research Scientist II. February 25, 2004 to February 15, 2005.
Murali Kanakasabai. Post-doctoral Scholar. January 1, 2004 to February 20, 2004.
Aslihan Spaulding. Post-doctoral Scholar. March 25, 2002 to August 15, 2003.

RECENT GRADUATE STUDENT THESIS ADVISING:

Stull, Jeremy. Using Kentucky GPS Data in the Decision-making Process for Conservation Reserve Program (CRP) Filter Strip Enrollment. M.S. 2000.
Coffey, Brian. New Input and Output Risk Management Strategies for Livestock Producers. M.S. 2001.
Powers, Laura. M.S. Coadvisor with Steve Isaacs. 2002. Use of Yield Monitor Data and Risk Assessment for Identification of Land Suited for Removal from Production.
Kanakasabai, Murali. Ph.D. 2003. Essays on Farm Adaptation to Climatic Change.
Gandonou, Jean-Marc. Ph.D. 2005. Precision Agriculture and Risk Management.
Conrad, Evan. M.S. *Expected 2007*.
Kayrouz, Ben. M.S. *Expected 2007*.
Pierce, Christopher. M.S. *Expected 2007*.
Shockley, Jordan. Ph.D. *Expected 2009*.

RECENT GRADUATE STUDENT THESIS COMMITTEES:

Bazen, Ernie. Ph.D. 2001.
Subramaniam, Vijay. M.S. 2001.
Miriti, M'Kiara Kimathi. Ph.D. 2003.
Burdine, Kenneth. M.S. 2003.
Bendall, Gareth. Ph.D. Mathematics. 2003.
Ward, Jason. M.S. Biosystems & Agricultural Engineering. 2003.
Courtney, Cameron. M.S. Biosystems & Agricultural Engineering. 2003.
Fulton, John. Ph.D. Biosystems Agricultural Engineering. 2003.
Higgins, Steve. Ph.D. Agronomy. 2004.
Leiva, Akssell. Ph.D. 2005.
Eldridge, R.W. M.S. 2005.
Sisk, Lee. M.S. Biosystems & Agricultural Engineering. 2005.
Ostemeier, Rick. M.S. 2006.
Duguid, Kathryn. M.S. Biosystems & Agricultural Engineering. 2006.
Shockley, Jordan. M.S. 2007.

RECENT UNDERGRADUATE ADVISING:

	1999	2000	2001	2002	2003	2004	2005	2006	2007
Total	12	15	16	15	17	16	22	27	25

RECENT SENIOR SEMINAR AND INTERNSHIP STUDENT ADVISING:

Nicholas Miller. Internship. 2007.
Charles Trumbo. Internship. 2007.
Derrick Augspurger. Internship. 2006.
Brandon Back. Internship. 2006.
Cally Simpson. Senior Seminar via Special Problems. 2006.
Brad Stemle. Senior Seminar via Special Problems. 2005.
James Hayes. Senior Seminar. 2003.
Elizabeth Ratcliffe. Senior Seminar. 2003.
Warren Harris. Senior Seminar. 2002.
Chris Pierce. Senior Seminar. 2002.
Kyle Coomer. Senior Seminar. 2001.
Ryan Gleason. Senior Seminar. 2001.
Josh Sea. Senior Seminar. 2001.
Curtis Gregory. Senior Seminar. 2000.
Adam Robey. Senior Seminar. 2000.
Jeremy Satterwhite. Senior Seminar. 2000.
Patrick Craig. Senior Seminar. 1999.
Joshua Cromer. Senior Seminar. 1999.
Don Brock. Senior Seminar. 1998.

PROFESSIONAL RECOGNITION AND SERVICE

HONORS AND AWARDS:

Professional

Distinguished Professional Contribution Award, Southern Agricultural Economics Association, with S. Saghaian, 2007

University of Kentucky College of Agriculture Wethington Award 2006.

University of Kentucky Ken Freedman Outstanding Advisor Award, Faculty Advisor 2005

University of Kentucky College of Agriculture Faculty Futures Award 2005.

Faculty Advisor and Mentor to Jason Hartell, 2004. Graduate Student Paper Distinguished Professional Contribution Award of the Southern Agricultural Economic Association entitled "Pricing Benefit Externalities of Soil Carbon Sequestration in Multifunctional Agriculture"

Faculty Advisor and Mentor to Brian Coffey, 2001. Graduate Student Paper Distinguished Professional Contribution Award of the Southern Agricultural Economic Association entitled "An Analysis of the Effects of Feed Ingredient Price Risk on the Selection of Minimum Cost Backgrounding Feed Rations"

Arkansas Chapter Gamma Sigma Delta Teaching Award of Merit, Dale Bumpers College of Agricultural, Food and Life Sciences, 1997

Faculty Advisor and Mentor to Daniel M. Settlage, 1997. Second Place Student Paper Competition of the Student Section of the American Agricultural Economic Association entitled "Exploring Arkansas Soybean Production Risk Reduction Afforded by the Market Mechanism"

Who's Who Among America's Teachers, 1996

Honorary State Farmer Degree, 1994, Arkansas FFA Association

University of Arkansas Department of Agricultural Economics and Rural Sociology Nominee for the 1994, 1995 and 1996 Arkansas Chapter Gamma Sigma Delta Teaching Award

Faculty Advisor, Team Coach and Mentor of the 1993 National Championship Academic Bowl Team of the Student Section of the American Agricultural Economics Association from the University of Arkansas

Editorships, review panels, reviewer service:

Selected as an associate editor (as a representative of the American Agricultural Economics Association) for farm management and production economics submissions to the Agronomy Journal which serves as a multidisciplinary journal of the AAEA and other associations. This is for a 3 year term beginning 2005.

Reviewer for special edition of Computers and Electronics in Agriculture, Volume 58, Issue 1, August 2007, entitled "Precision Agriculture in Latin America"

Reviewer (journal manuscripts, selected papers, research proposals, etc. for several journals/organizations including AAEA, SAEA)

Graduate

Texas A&M University Nominee for AAEA (American Agricultural Economics Association) Outstanding Dissertation Award, Gamma Sigma Delta Agricultural Honor Society, Texas A&M University Department of Agricultural Economics Graduate Student Association M.S. Senator

Undergraduate

Graduated Summa Cum Laude (4.00 GPA) and with Honors in Agricultural Business, Outstanding Agricultural Business Student, National Dean's List, Who's Who Among Students in American Colleges and Universities, Alpha Chi Honor Society, National Golden Key Honor Society, Delta Tau Alpha Agricultural Honor Society Chapter President, World Agricultural Service Society Charter Member and Chapter Vice-President, Sam Houston Agricultural Business Club, Collegiate FFA

MEMBERSHIPS:

American Agricultural Economics Association
Southern Agricultural Economics Association
Western Agricultural Economics Association
North American Colleges and Teachers of Agriculture
Gamma Sigma Delta
Regional Research Project - S283 CSREES Southern Regional Project “Develop and Assess Precision Farming Technology and Its Economic and Environmental Impacts”

RECENT SERVICE:

Professional Organizations - Southern Agricultural Economics Association Selected Papers Co-chair (2007), Southern Agricultural Economics Association Topic Editor (2004), Southern Agricultural Economics Association Student Affairs Committee Chair (1999-2000), Reviewer (journal manuscripts, selected papers, posters for several journals/organizations including AAEA, SAEA), Session Moderator and Organizer
University - University Appeals Board (1999-2002)
College – Undergraduate Curriculum Committee (2006-2007), Review Team of Department of Agricultural Economics (2003), Scholarship Review (Various Years), Precision Agriculture Steering Committee (1999-2005), New Crops Opportunities Steering Committee (2004-2007), Kentucky Farm Business Management “Futuring” Committee (2003), Kentucky Agricultural Experiment Station Project Review Committee (1999-2002), Gamma Sigma Delta Secretary (1999), Gamma Sigma Delta Auditing Committee Chair (2000-2002)
Department – Undergraduate Program Committee Chair (2006-2007), Undergraduate Program Committee (2004-2005), Strategic Plan Committee (2004), Research Committee Chair (1999-2003), Graduate Committee (1999-2000, 2001-2002), Kentucky Farm Business Management Board of Directors Faculty Representative (2005-2007), Anderson Mentoring Committee, Ibendahl Mentoring Committee, Halich Mentoring Committee, Brown Mentoring Committee, Pushkarskaya Mentoring Committee, Various Search Committees and Search Committee Chair
Administrative - *Director of Undergraduate Studies*, including initial period as Interim (2006-2007), Executive Committee (1999-2003, 2006-2007)

EXTENSION RELATED ACTIVITIES:

Dillon, C., T. Stombaugh, S. Isaacs, and J. Salim. Farmers' Training Workshops on Precision Agriculture Decision Aids for Risk Reduction, Kentucky. December 12-13 and 19-20, 2005; January 9-10, 2006.

Popular articles (23), nonrefereed articles (15), refereed bulletins (4) and refereed university articles (3) that represent an extension of applied research (all cited above)

Several extension presentations including Princeton Field Day, Lexington Field Day, Kentucky Youth Seminars, Small Grains Research Group Conference, Economic Subject Matter Meetings, Agribusiness Outlook (moderated), etc.

Numerous collaborative efforts with extension faculty as reflected above including publications (37 with extension faculty), presentations (16 with extension faculty not including published proceedings) and software development (2 with extension faculty)

Invited presentation at the Kentucky Precision Agricultural Network meeting

Active involvement in the Kentucky Farm Business Management (KFBM) Program providing input to the program as well as using data for research which has supported about 30 of the above cited articles, posters or presentations and 3 articles directly analyzing KFBM data