

CURRICULUM VITAE

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I. EDUCATION, WORK EXPERIENCE AND MAJOR AWARDS/HONORS

Higher Education:

Ph.D. - University of Tennessee. 1984. Summa Cum Laude.

Major: Plant and Soil Science, Area of Specialization - Weed Management in Tobacco.

Thesis Title: Interference and Post-Emergence Control of Annual Grasses in Burley and Dark Fire-cured Tobaccos

M.S. - University of Tennessee. 1981. Summa Cum Laude.

Major: Entomology and Plant Pathology

Thesis Title: Selection for Resistance to *Pythium ultimum* Trow. within Four Cultivars of Cotton (*Gossypium hirsutum* L.)

B.A. - University of Tennessee. 1977.

Major: Cellular Biology

Work Experience:

November 2007 to present – Assistant Director for Agriculture and Natural Resources, University of Kentucky College of Agriculture, Food & Environment.

July 2009 to present - Extension Professor

April 2003 to 2007 - Associate Extension Professor, Extension Coordinator, and Tobacco Specialist, Department of Plant & Soil Sciences, University of Kentucky.

July 1990 to 2003 - Associate Extension Professor, Tobacco Specialist, Department of Agronomy, University of Kentucky.

Aug., 1984 to 1990 - Assistant Extension Professor, Tobacco Specialist, Department of Agronomy, University of Kentucky.

Sept., 1981 to Aug., 1984 - Graduate Research Assistant, Department of Plant and Soil Science, University of Tennessee.

Sept., 1979 to Aug., 1981 - Graduate Research Assistant, Department of Entomology and Plant Pathology, University of Tennessee.

March, 1978 to Aug., 1979 - Program Assistant, Cocke County Extension Service, University of Tennessee.

Agent Evaluations: (Last 05)

Maximum score = 3 (Agents responding varied from 66 to 68)

	<u>Score</u>	<u>College Average</u>
Overall Quality of Extension Program	2.77	2.41
Provides Resource for Agents	2.73	2.45
Willingness to Travel	2.80	2.52
Rapport with Clientele	2.87	2.49
Quality of Educational Material	2.77	2.46
Responds to Phone Calls	2.77	2.47
Responds to Emails	2.71	2.50

Major Awards and Honors:

2004 Senator Wendell Ford Leadership Award (Burley Tobacco Growers Cooperative Association, May 05)

M.D. Whiteaker Award for Excellence in Extension (KASEP 05)

CORESTA Congress Bronze Metal for Service (Kyoto, Japan 04)

II. ADMINISTRATIVE ACCOMPLISHMENTS, 2007 - 2012

Assistant Extension Director for Agriculture and Natural Resources

Appointed November 12, 2007

Most notable achievements or advancements

2012-13 President of Gamma Sigma Delta

2012 Supported tornado relief in Northern and Eastern Kentucky

2011 Orchestrated rollout of Lync as a training and collaboration tools in the College

2010 Laura Clay Award (This was a team award given to the Kentucky Ag Development Training Team by the Kentucky Women in Ag)

2010 Service Award 44th Tobacco Workers Conference

2009 KACAA Outstanding Service Award

2009 Promotion to Extension Professor

Significant administrative activities

Served on selection committees for the following county positions: **Agriculture** - Henry Co. (2), Trigg, Elliot, Crittenden, Grayson, Hancock, Cumberland, Pulaski, Trimble, Logan, Fulton, Barren, Fleming, Marshall, Henderson, Nicholas, Hickman, Calloway, Russell, Carlisle, Monroe, Graves, Crittenden, Whitley, Green, Livingston, Clinton, McCracken (four), Hancock, Marion (twice), Pendleton (twice), Clark, Bourbon, Hopkins, Shelby, Breathitt, Carroll, Woodford (twice), Scott, Hardin, Pike, Floyd, Menifee, Robertson, Graves, Marion, Garrard, Casey, Fayette, Jefferson, Scott, Woodford, and Livingston Counties. **Horticulture** – Campbell, Taylor (2), Jefferson, Henderson Harrison, Hopkins (2), Kenton, Mercer, Harrison, Franklin, Fayette, Woodford, Mason, Jefferson, Hopkins, Bourbon, McCracken, Laurel, and Barren (served as Chair of selection committee) Counties.

Environmental – Boone.

Board of Directors

Board of Directors of Southern Region Aquaculture Center (Member 2008-2012)

Committee Service

Action Team Macrogoal 5 – College Strategic Plan (2015-present)

Kentucky Tobacco Research and Development Center Steering Committee (2012-present)

Collaborated effort with NRCS on Visioning Session for Prescribed Grazing/Grazing Management (2014-present)
 Small, Limited Resource, Minority Farmers Conference's Planning Committee (08-present)
 Kentucky SARE Advisory Committee (08-present)
 Local Food Economies Committee (2013-present)
 Served on College Strategic Plan Coordinator Selection Committee (2015)
 Scholarly Activities Committee chair (2013-2015)
 Developed document outlining suggestions for implementation
 Coordinated Farm Bill Training session for ARC/PLC and NAP (2015)
 CAFE Strategic Plan Consultant Selection Committee (2014)
 Agent Performance Evaluation Committee (2014)
 Kentucky Agriculture Council, New Markets Identification Committee (Chair 2012-13)
 Kentucky Agriculture Council, Strategic Plan Task Force (2011-2013)
 Kentucky Farm Bureau Long Range Plan Core Committee (2011)
 Lync Client Feedback National Committee in conjunction with Microsoft Corporation (2011)
 President 2012-2013, President Elect 2011-2012, Gamma Sigma Delta – Kentucky Chapter
 Ex-officio member of the Farm Bureau Natural Resources Advisory Committee (08-11)
 Represent ANR on the SRPLN Urban Task Force Committee (09-11)

County Reviews

Team Chair – 2016 – Woodford, Wayne, Jessamine
 Team Chair – 2014 – Anderson, Metcalfe, Washington
 Team Chair – 2013 – Ballard, Carlisle, Marshall
 Team Chair – 2012 – Estill, Wolfe
 Team Chair – 2011 – Boyd, Carter, Greenup
 Team Chair – 2008 – Greenup, Pulaski, Whitley

District Director Support

Supported District Directors on several occasions regarding agent issues including visits to or visits with agents in Lyon, Pulaski, Clinton, Marion and Livingston Counties

Ag Programs

Resolved personnel issues and reassigned Ricky Yeargan to improving specialist support through Ag Programs. (2013-present)

EDEN Animal Agrosecurity Project

Supervisory role for Andrea Husband and Ricky Yeargan who have gained national prominence in the field of animal agrosecurity (2007 – 2013)

AgrAbility Program

Worked to resolve issues with Fort Knox Community Garden
 Worked to improve contact between AgrAbility and other organizations that provide assistance to those with physical limitation.

Help John Hancock to secure support form Vocational Rehabilitation for field visits to assess physical needs of producers.

New initiatives or programs led or supported

Developed Strategic Initiatives for Ag and Hort Plan of Work 2016-2019
Ag Program support for Extension specialist with Ricky Yeargan and student intern assigned to work with specialist on grants and other programs aimed at agent support.

See blue go green initiative: Served as administrative support for agent working group and oversaw web development by Ashley Osborne

Equine Initiative Agents Working Group was established after determining that the Equine Initiative lacked agent representation.

Helped establish an agent advisory group for the Farmwi\$e section of Moneywi\$e.

Collaborated with FCS to establish a Water Quality Committee to support Brad Lee's Programs

Provided Administrative support for a new Horticulture Marketing Working Group

Major issues and challenges addressed

Developed survey to help the Kentucky Sheep and Goat Development Office to gather county data (2012)

Developed survey to help GOAP determine county administrative fund expenditures (2012)

Developed fallen animal survey at Dean's request to supply information to the Kentucky Farm Bureau Board (2010)

Developed survey to assist GOAP with county submissions of County Councils (2010)

Worked to improve relationship between Agents and Governor's Office of Ag Policy (2009-2011)

Worked with KCA on transitions from producer certified to cattle certified PVP program. (2010)

Worked with KCA to mend relations over Kentucky Beef Conference (2009)

Organized meeting to discuss alternative for disposal of farm animal mortalities in response to new USDA regulations.

Called a meeting to resolve issues between specialists from different departments

Worked to compile issues from counties and solicited responses from departments regarding available resources. Scheduled two meeting with the Ag Advisory council to vet the issues flow and to allow departments convey their responds to those issues.

Developed team to compile, analyze and interpret data from Ag Development Model Programs

Leadership contributions beyond administrative area

CAFE Strategic Plan Consultant Selection Committee (2014)

Chaired Scholarly Activity Committee (2013-2014)

Local Food Economies Committee (2013-present)

Chaired Biosystems and Agricultural Engineering Departmental Review (2012)

Arboretum Strategic Plan, Partner Responsibility/Organization Structure Committee (2012)

Commission on Strategic Planning for the Arboretum (2012)

President, Gamma Sigma Delta – Kentucky Chapter (2012)

University Senate (2007-2009)

Scholarly activity and contributions, professional growth opportunities

Edwin L. Ritchey and Gary K. Palmer. 2014. Limitations and Benefits to Cultivating Tobacco. University of Kentucky Plant and Soil Sciences Research Report. Vol. 3, No. 2.

Developed ANR Facebook page aimed at supplying content for agents to repost and to get more UK/CAFE exposure (2012-present)

Developed Disaster Resource Page in response to tornado damage in Northern Kentucky and Eastern Kentucky (2012)

Coordinated HENV publication series reviews (2010-present)

eXtension CoP Review Team – 2010-present

Collaborated with Wuyang Hu on Kentucky watershed survey 2011

Established a web presence for Climate Change with collaboration from faculty 2012

Worked with Paul Vincelli on development of PPA 400G “Principles of Plant Pathology” as a distance learning course that agents could take.

Craig Infanger, Richard Maurer and Gary Palmer. 2008. An Evaluation of Agricultural Development Board Investments in Kentucky Agriculture 2001-2007.

Maintained and improved web resources for Agriculture and Natural Resources site.(2007-present)

Graduate Student Committee Service:

Anne Jack, PhD Crop Science. (05-present)

Edwin Ritchey, PhD Soil Science. (02-10)

Grants and Major Projects:

Provided support and leadership for Kentucky AgrAbility Grant- \$720,000 - 4 yr, (2014-2018) Worked to encourage collaboration among agencies.

Second year funding for Pesticide Safety Education Program Improvement and Modernization Initiative (\$25,000)

Nutrient Management Planner Grant- \$60,000, UK Water Quality - \$54,000

EDEN Strengthening Community Agrosecurity - \$71,203

Using Sustainable Ag to Address Food Security - \$93,000,

Assisted BAE faculty submission of SARE On-farm Research/Partnership proposal - funded at \$14,906 for A New Appropriate Technology Machine to Benefit the Sustainability of Local Organic Vegetable Production

Worked with Jefferson County Extension personnel to submit a proposal to Aetna Foundation - Expanding Community Gardens and Access to Healthy Food in Louisville, Kentucky. Although not funded, the proposal is in good shape to submit to other sponsors,

Helped new Food Safety Specialist submit successful pre-proposal and subsequent full proposal to SARE - Training Extension Agents in Kentucky and Oklahoma in Food Safety, Sanitation and Good Hygiene Practices Related to Products for Sale at Farmers' Market, \$79,722

Collaborated with Horticulture and Plant Pathology on Farm2School Grant through Kentucky Department for Public Health: 2012. \$6000.

USDA NIFA State and Regional AgrAbility Project award: 2010. \$720,000 (4 yrs). Worked to encourage collaboration among agencies that lead to award.

EDEN Regional Food Defense Conference Coordination sub-award. 2010. \$10,000. Supported Kentucky's EDEN initiative.

Developing Online Web Courses for Distance Education on Tobacco: A Multidisciplinary, Multistate Approach. Tobacco Education Research Council, Inc. Ag Programs. (08-11) \$74,000.

Program Evaluation of the Agricultural Development Board Investments. (amended version) Model Programs Section. (08) \$30,000.

Kentucky & Tennessee Agriculture Agent Professional Development to attend the 43rd Tobacco Workers Conference. Tobacco Education Research Council, Inc. Ag Programs. (08-10) \$10,000. Extension of grant to support agents at 44th Tobacco Worker conference.

Extension Agent Support and Training. Philip Morris International. Gary Palmer and Bob Pearce. (08) \$10,200.

Extension Agent Support and Training. Altria Client Services. Gary Palmer and Bob Pearce. (08) \$6,800.

Invitations to speak and other speaking engagements

Presented Tips for attending or hosting a Lync meeting (2016)

2014 Farm's Appreciation Banquet – Lawrence County Beef Conference. 2010-2013. Fayette Co. Extension Office.

Fallen Animal Survey. 2011. Kentucky Farm Bureau Board meeting, Louisville, KY

Emerging Agriculture and Natural Resources Issues. 2009. Southern States Board Leadership Conference, Louisville, KY

Agent support

Worked with KACAA on Forage Specialist position and stakeholders input (2015)

District 1 Social Media Training (2014)

State Extension Conference – ANR section – Social Media Training (2014)

Served as University contact for tornado relief in Morgan and surrounding counties and Northern Kentucky. 2012

Purchased 70 more USB microscopes for Ag and Hort agents (2012)

Provide resource materials to Horticultural Agents (2011)

Secured grant funds (\$24,000) and organized four separate tobacco training opportunities for ag agents, including an innovative trouble shooting exercise for new agents.

Purchased new addition of “Manual of Woody Ornamentals” (2010) & “Encyclopedia of Trees and Shrubs” (2011) for horticultural agents.

Purchased USB microscopes for 70 counties (2011)

Purchased stereoscopes and cameras for 12 county offices 2010

Organized Fall ANR Updates for all agricultural and horticultural agents (2008-present).

Initiated Spring ANR Update for Eastern Kentucky Agents (2010-2011)

III. EXTENSION SPECIALIST ACHIEVEMENTS, 1984 – 2007

Grants and Major Projects:

Innovative Tobacco Grower Program. Eleven class session in 2008. One each for Warren, Simpson, Allen, and Logan Counties; three in Harrison County, Two each in Morgan County and Southern Ohio. 87 participants. (partially funded by COOP & PM, USA grants)

Information, Networking, and Education. Burley Tobacco Grower's Cooperative Association. Gary Palmer, Bob Pearce, Andy Bailey, Kenny Seebold and Jimmy Henning. (07-08) \$43,000.

Information, Networking, and Education. Burley Tobacco Grower's Cooperative Association. Gary Palmer, Bob Pearce, Andy Bailey, Kenny Seebold and Jimmy Henning. (06-07) \$43,000.

Philip Morris USA Farmer Partnering Program. Agent Training and Program Support. (05-07) \$17,000, yearly.

Educational Programs for Pesticide Use, Residues and Product Integrity. Alliance One Tobacco USA, Inc. (07) \$5000.

Innovative Tobacco Grower Program. Four class session in 2007. One each for Garrard, Lincoln & Boyle Co.; Adair, Taylor & Green Co.; Mason Co. & Southern Ohio & Christian, Caldwell & Daviess Co. Barren Counties. 62 participants. (partially funded by COOP & PM, USA grants)

Innovative Tobacco Grower Program. Eight class session in 2006 for Shelby & Barren Counties. 42 participants. (partially funded by PM, USA grant)

Innovative Tobacco Grower Program. Eight class session in 2005 for Russell, Fayette & Hardin Counties. 46 participants. (partially funded by PM, USA grant)

Bluegrass Tobacco Industry Tour. Leader. 50 participants annually from various segments of industry (93-present) (supported by F.W Rickard Seed and Chemtura, Inc.)

The Tobacco Expo. Chair. A one-day event to bring producers and industry together for information exchange and seminar presentations. 60-120 exhibitors with attendance ranging from 400 to 1500. (91-04) \$15,000 annual budget.

Environmental Impact Survey. A survey of agents in the eight state burley belts was conducted to assess the environmental impact of burley tobacco production. Philip Morris USA (04) (\$8000).

Environmental Impact Survey. A survey of agents in the eight state burley belts was conducted to assess the environmental impact of burley tobacco production. Philip Morris (03) USA (\$7000).

Philip Morris Tobacco Farmer Partnering Program. Field Days and Training. (02 - 04) \$16,000 annually.

Philip Morris Tobacco Production Leaders' Short Course. Chairman. (92-01) \$15,500 per year.

Philip Morris Excellence in Tobacco Production Awards and Recognition Program. Regional Coordinator for Kentucky, Indiana, and Ohio. (93-00) \$15,000 per year.

Tobacco Production Leaders' Program: Agents tour of float system problems (98) Agent training, 54 agents (97) The Burley Tobacco Growers Cooperative Tour (125 producers)(94) County Agents Trip to North Carolina, Tennessee and Virginia Annual Burley Tour (10 agents)(94) Federal Grading Service and ASCS Day Trip (29 producers)(94) Float Plant Production (60 producers)(93) Tobacco Seed Production Farm Tour (37 producers)(93)

Meeting and Field Day: An average of 50 meeting and field days were conducted each year. (84-2007)

Burley Tobacco Survey. A survey was sent to agents at least monthly during the growing season regarding crop status. A report with a crop prediction was compiled and sent to tobacco company representatives and other interested individuals. (99-06)

III. RESEARCH, 1984 – 2007

Major Projects:

MH-free Sucker Control Research Program. Chemtura, Inc. (07) \$7000.

Influence of Harvest Date after Topping and Nitrogen Rates on TSNA Formation. Philip Morris, USA. (07) \$10,000 (Coordinator for regional collaboration with Tennessee, Virginia, & North Carolina).

Evaluation of Replacement Insecticides to Replace Endosulfan. Syngenta (07) \$3,000 – Alliance One International \$5,000

Foliar Disease Control. Syngenta (07) \$6,000 Kenny Seebold & Gary Palmer .

Management of Diseases of Burley Tobacco in Kentucky, Council for Burley Tobacco (07) \$10,000, (05-06) \$12,850 Kenny Seebold & Gary Palmer.

Production Factors that Influence TSNA Accumulation. Philip Morris USA. (06) \$12,000, (05) \$32,000.

Exploring the Feasibility of Oriental Production in Kentucky. Philip Morris USA (05-06) \$4000.

MH Free Tobacco. Chemtura Corp. (06) \$4,000.

Evaluation of Preplant and Foliar Pesticides for Tobacco Insect Control. Cerexagri (05,06) \$5,000.

Evaluation of Existing and Experimental Chemical Fungicides. Syngenta (02-06) \$13,000.

Influence of Fertilization on Tobacco Growth and Soil pH. SQM North America. (99-06). \$20,000.

Evaluation of Topping, Harvest and Market Preparation Practices on the Perceived Value of Burley Tobacco. Council for Burley Tobacco (02) \$5000 CoPI.

Synergy between Messenger and Orthene. Eden Bioscience (02) \$2000.

Effects of Platinum on Aphid Control. Syngenta. (01-04) \$7200.

Effects of Impregnation of Spartan on weed control and crop response. FMC. (01, 02) \$3500.

Evaluation of Terramaster for Pythium Control in the Float System. Uniroyal Chemical Co. (01,02) \$4,000.

Evaluation of Terraclor for Control of Target Spot in the Float System. Uniroyal Chemical Co. (02) \$1,000.

Tobacco Curing Study. Philip Morris, USA. (01) \$116,920.

Evaluation of Messenger as a Growth Enhancer. Eden Bioscience. (01) \$2000.

Evaluation of Actara for Control of Flea Beetles. Syngenta. (01) \$7200.

Evaluation of Ridomil Gold and Quadris for Control of Black Shank on Burley Tobacco. Syngenta. (01) \$7200.

Evaluation of Two Formulations of Prime Plus on Dark Tobacco. Syngenta. (01) \$2700.

Evaluation of Actigard for Blue Mold Control and Crop Tolerance on Tobacco. Syngenta. (01) \$8100.

Evaluation of Aphid Control. Valent USA. (99-01) \$10,000.

Influence of Calcium and Forms of Nitrogen on Usability of Burley Tobacco. Hydro Agri. (00-01). \$3000.

Reduction of Maleic Hydrazide Residue in Burley Tobacco in Kentucky. Philip Morris Europe. (99) \$25,000.

Evaluation of Butralin as a Sucker Control Alternative. Uniroyal Chemical Co. (99) \$5,000.

Comparison of Prime+ Combined with Reduced Rates of MH with Conventional Sucker Control Practices. Novartis (99) 3,000.

Evaluation of Quadris for Black Shank and Blue Mold Control. Zeneca. (99-00). \$15,000.

Evaluation of Phytotoxicity of Actigard for Blue Mold Control. Novartis. (99-00). \$8,000.

Tobacco Improvement Study. Dimon. (00). \$5000.

Evaluation of Butralin as a Sucker Control Alternative. Uniroyal Chemical Co. (95-98). \$1800 yearly.

Comparison of Prime+ Combined with Reduced Rates of MH with Conventional Sucker Control Practices. Novartis. (96-98). 2,000.

Float Plants Versus Directed Seeded in Relationship to Performance in the Field. Speedling, Inc. (96) \$1,000.

BuRISE as a Plant-enhancing Chemical. Buckman laboratories. (96) \$2,000.

Influence of Fertilization on Tobacco Growth and Soil pH. Chilean Nitrate. (94-96) \$4,000 yearly.

Comparison of Prowl Injury Symptoms in Conventionally Grown and Float Plants. American Cyanamid. (92-96) \$2,000 yearly.

Evaluation of Golden Leaf Timing. FMC Corp. (94-96) \$3000 yearly.

Evaluation of Adjuvants in Combination with Maleic Hydrazide. Loveland Industries Inc. (92-94) \$3,000 yearly.

Comparison of Herbicide Efficacy in Burley Tobacco Production. ICI Americas. (92-94) \$3,000 yearly.

Factors Affecting the Reduction of Persistence of Command in Tobacco. FMC Corp. (93) \$1000.

Evaluation of the Effects of FMC-6285 for Weed Control in Burley Tobacco. FMC Corp. (92) \$500.

Evaluation of GLK-8911 as a Stress-reducing Compound. Great Lakes Chemical Corp. (92) \$5,000.

Effects of Tobacco in on Burley Tobacco Growth. WinGro Corp. (92) \$2,000.

- Evaluation of Promote as a Growth Promoting Fungus in Burley Tobacco. Integrated Agronomics Corp. (92) \$1,000.
- Timing of Orthene Application for Control of the Red Aphid. Valent Corp. (92) \$2,000.
- Influence of Slow Release Fertilize on Tobacco Growth and Soil pH. Grace/Sierra. (92) \$2,000.
- Growth of Ground Suckers in Float Transplants. Council for Burley Tobacco. L.P. Bush, G.K. Palmer, and H.R. Burton. (92) \$7,250. (Collaborator).
- Aphid Control. G.K. Palmer and L.H. Townsend. Funded by Valent Chemical Co. (89) \$3,000.
- Effects of Source of Nitrogen on Burley Tobacco. G.K. Palmer and J.H. Smiley. Funded by Chilean Nitrate Corp. (89) \$2,250.
- Post Emergence Grass Control in Tobacco. G.K. Palmer and J.H. Smiley. Funded by Chevron Chemical Co. (88) \$1,000.
- Potassium Deficiency and Leaf Quality. L.P. Bush and G.K. Palmer. Funded by R.J. Reynolds Tobacco Co. (87 and 88) \$8,000.
- Prowl Persistence. G.K. Palmer and J.H. Smiley. Funded by American Cyanamid. (87) \$2,000.
- Interaction of Prowl and pH on Burley Tobacco. G.K. Palmer and J.H. Smiley. Funded by R.J. Reynolds Tobacco Co. (86) \$10,000.

Applied Research:

Topics studied: Float System Trials, Variety Trials, Fertility Trials, Herbicide Studies, Fungicide Studies, Insecticide Studies, Topping Studies, Sucker Control Evaluations, Harvesting and Stripping Studies. (14 Burley Trials in 2007, 24 – Burley & Oriental Tests in 2006, 21 – Burley & Oriental Tests in 2005, 30 – Burley Tests in 2004, 37 - Burley Tests in 2003, 41 - Burley Tests & 14 Dark Tobacco Tests in 2002, 53 Burley Tests in 2001, 56 in 2000, 54 in 1999, 55 in 1998, 57 in 1997, 77 in 1996, 79 in 1995, 64 in 1994, 61 in 1993, 59 in 1092, 33 in 1991).

IV. TEACHING AND MENTORING, 1984 – 2007

Courses:

- PLS & AGR 408, Tobacco. Tobacco production. Instructor (06, 04, 02, 00, 98, 94, 92. Co-instructor (90, 88, 86, 84). Last course evaluation – Average Value 4.0, Quality 3.9 of 4.0 for 8 students (06)
- PLS & AGR 599, Special Problems in Plant and Soil Science or Agronomy. (Chris Ammerman – 05; John Matthew Chaliff – 03; Shane Wiseman, Scott Turpin – 02; Crystal Sorrell, Alton Stull – 01; Paul Sizemore, David Herbst, Glen Williams, Wayne Kirby – 00; Phil Smith – 99; Kirby Hancock – 98; Tobacco Short Course for Extension Agricultural Agents - 85, 86, 87, 89, 92, 95 and 4-H Agents – 88; Anthony Strong – 96; Bryce Roberts, Jeff Casada – 95; David Adams, Dexter Knight – 94; David Bird – 93; Gary Carter – 92; Ron Catchen, Roy Reynolds – 91; Gary Hamilton – 89; Tom Cravens – 88)

PLS 399, Experimental Learning in Plant and Soil Science. (Josh Long, Steven Heightchew – 03)
 PLS 395, Special Problems in Plant and Soil Science. (Ben Meredith, Steven Heightchew – 01 & 02; Chris Ammerman, Todd Gregory – 00)
 AGR 395V, Special Problems in Agronomy (Robert Van Hook, Kelly Walter – 92; James Franklin – 91; Robert Bonzo – 89; Robert Osborne, Harry Peterson – 88; Dexter Knight - 86)
 EDV 695, Special Problems in Vocational Education (Mike Jones – 95; Jeff Henderson – 88; Mike Reed - 87)
 AGR 799, Research in Agronomy (Dan Grigson – 86) co-advisor
 AEC 780A, Special Problems in Ag Economics (Dan Grigson – 85) co-advisor
 Plant and Soil Science 4710, Principles of Weed Science - The University of Tennessee. Lab instruction with some lecture responsibilities. (84) Lab instruction. (82 and 83)
 Plant and Soil Science 3610, Interpretation of Agricultural Research - The University of Tennessee. Presented lectures on confidence intervals and prepared homework material. (84)

Graduate Students:

Committee Service:

Anne Jack, PhD Crop Science. (05-present)
 Edwin Ritchey, PhD Soil Science. (02-10)
 Christopher Ammerman, MS Vocational Education. (05-06)
 Jo Anna Bourne, MS Crop Science. (02-04)
 Leo Caruso, PhD Crop Science. (99-02)
 Scott Turpin, MS Vocational Education. (02-03)
 Shane Wiseman, MS Vocational Education. (01-02)
 Paul Sizemore, MS Vocational Education. (00, 01)
 Crystal Sorrell, MS Vocational Education. (01)
 Glenn Williams. MS Vocational Education. (98-2001)
 Wayne Kirby. MS Vocational Education. (98-2001)
 David Herbst. MS Vocational Education. (98-00)
 Phil Smith. MS Vocational Education. (95-99)
 Cui Mingwu. PhD Crop Science. (95-98)
 Cui Mingwu. MS Crop Science. (93-94)
 Terry Hutchens. MS Crop Science. (92-93)
 Sunday Ogebegbe. MS Crop Science. (87-88)
 Mike Reed. MS Vocational Education. (87)
 David Adams. MS Crop Science. Supervised Special Research Problem (92-93)

Principal Advisor:

Jeffrey E. Herrmann. MS Crop Science. Served as principal advisor, supervised the research, and served on advisory committee. (85-87)

Interns: Supervised the following students under an intern program: Austin Perkins and Keith Johnson (06-07), Jacob Heil and John Wright (04-05) Josh Long (03), Steven Heightchew (01-03), Ben Meredith (01-02), Todd Gregory (01), Chris Ammerman (99-01), Ben Parker (98-99), Arron Webster (97-98), and Brad Gross (95-97)

Apprentices: Supervised the following students under the R.J. Reynolds Extension Apprenticeship program: James Long (94), Matt Hess (91-92), Josh Evans (92), James Franklin (90-91), Kelly Walter (90), Robert Reynolds (89), John Martin Humes (88-89), Steven Zanone (87-89), Todd Conway (87-88), Daniel Cremeans (87), Troy Brady (86-87), Anthony Rose (85-86)

V. PUBLICATIONS, 1984 – 2007

Peer-Reviewed, Refereed, Research:

- Pearce, R. C., J. M. Zeleznik, and G. K. Palmer. 1999. Evaluation of media water content on the incidence of spiral root in a tobacco float system. *Tob. Sci.* 43:41-42.
- L. F. Johnson and G. K. Palmer. 1985. Symptom variability and selection for resistance to cotton seedling disease caused by *Pythium ultimum*. *Plant Disease.* 69:298-300.

Book Chapter:

- Palmer G.K. and R.C. Pearce. 1999. Light Air-cured Tobacco. In *Tobacco: Production, Chemistry and Technology*. CORESTA Blackwell Science Ltd. pp 143-153.

Peer-Reviewed, Extension:

- 2008 Kentucky Tobacco Production Guide. ID-160.
Articles Authored in ID-160
 Gary Palmer. Introduction. P 3
 Gary Palmer, Bob Pearce and Andy Bailey. Selecting Burley Tobacco Varieties for 2008. Pp 7-9.
 Bob Pearce, Gary Palmer, Andy Bailey, Kenny Seebold, and Lee Townsend. Management of Tobacco Float Systems Pp. 12-22.
 Andy Bailey, Gary Palmer, and Bob Pearce. Topping, Sucker Control, and Harvest Management for Burley and Dark Tobacco. Pp 41-46.
 George Duncan, Gary Palmer and Andy Bailey Stripping and Proper Preparation of Tobacco for Market. Pp. 52-54.
 Kenny Seebold, Editor & Gary Palmer, Co-editor. 2007 Kentucky Tobacco Production Guide. ID-160.
Articles Authored in ID-160:
 Gary Palmer. Introduction. P 5.
 Gary Palmer, Bob Pearce and Andy Bailey. Selecting Burley Tobacco Varieties for 2007. Pp 9-11.
 Bob Pearce, Gary Palmer, Andy Bailey, Kenny Seebold, and Lee Townsend. Management of Tobacco Float Systems Pp. 14-23.
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Peer-Reviewed, Extension Fact Sheets:

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- Andy Bailey, Gary Palmer, Bob Pearce and Kenny Seebold. 2007. Tobacco Float Bed Basics. Plant & Soil Sciences Fact Sheet TOB-5-07
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Published Symposia:

- G.K. Palmer. 2002. Evaluation of Etridiazole (Terramaster) in the Tobacco Float System. CORESTA. New Orleans, LA.
- G.K. Palmer. 1994. Fertilization and Nitrogen Monitoring in Burley Tobacco Float Plant Systems. CORESTA Symposium. Harare, Zimbabwe.
- G.K. Palmer and J.M. Zeleznik. 1992. Evaluation of Factors Effecting Germination and Plant Growth in the Float Method of Transplant Production. CORESTA Symposium. Jerez, Spain.
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Popular Press:

- Gary Palmer, Andy Bailey & Bob Pearce. 2007. MH-free burley tobacco. In 2007 Tobacco Trends. Farm Press Companies, Inc. P 22.
- Gary Palmer. 2006. Burley varieties for 2006. In Burley & Dark Tobacco Production Guide 2006. Pp 16-21.
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- Gary Palmer & Bob Pearce. 2005. Produce your crop for a post-buyout market. In Burley & Dark Tobacco Production Guide 2005. Pp 4-6.
- Gary Palmer and Bob Pearce. Solve the Yellow-Spot Puzzle. In Southern Farmer. Volume 4 Number 3. March 2005. Pg 14.
- Gary Palmer. 2004. Burley varieties for 2004. In Burley & Dark Tobacco Production Guide 2004. Pp 16-21.
- Gary Palmer. 2003. Burley varieties for 2003. In Burley & Dark Tobacco Production Guide 2003. Pp 8-13
- Gary Palmer. 2003. Four better than three. In Burley & Dark Tobacco Production Guide 2003. Pp 23-25.
- Gary Palmer. 2002. Timing Burley Harvest. In Burley & Dark Tobacco Production Guide 2000. Pp 3-4.
- Gary Palmer and Bob Pearce. 2002. Topping for today's Market. In Burley & Dark Tobacco Production Guide 2002. Pp 16-18.
- Gary Palmer. 2002. Burley varieties for 2002. In Burley & Dark Tobacco Production Guide 2002. Pp 8-11.
- Gary Palmer Bob Pearce and Don Fowlkes. 2001. Burley tobacco varieties for 2001. In Burley & Dark Tobacco Production Guide 2001. Pp 5-6.
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- Gary Palmer and Keenan Turner. 1999. Temperatures evaluated under different float-bed covers. In Burley & Dark Tobacco Production Guide 1999. P 15.
- Gary Palmer and Bob Pearce. 1999. Variety Selection for 1999. In Burley & Dark Tobacco Production Guide 1999. Pp 18-24.

- Bob Pearce and Gary Palmer. 1999. Choosing float-bed covers. In Burley & Dark Tobacco Production Guide 1999. P 14.
- Gary Palmer, Bob Pearce and Don Fowlkes. 1998. In Addition to yield and quality, consider disease pressure in growing site. Variety Selection. In Burley & Dark Tobacco Production Guide 1998. pp 9-14.
- Gary Palmer, Bob Pearce and Brad Gross. 1998. Rainfall – too much, too little? In Burley & Dark Tobacco Production Guide 1998. pp 37-38.
- Bob Pearce, Don Fowlkes, Gary Palmer and Neil Rhodes. 1998. Weed Control. In Burley & Dark Tobacco Production Guide 1998. P 21.
- Gary Palmer and Bob Pearce. 1997. Check diseases before choosing varieties: Major variety selections. in Burley and Dark Tobacco Production Guide. Rural Press USA. pp. 9-13.
- Gary Palmer and Bob Pearce. 1997. Using the best combination for quality and yield: Topping, sucker control and harvest. in Burley and Dark Tobacco Production Guide. Rural Press USA. pp. 32-33.
- Bob Pearce and Gary Palmer. 1997. Greening-up the crops: Value of foliar fertilization of tobacco. in Burley and Dark Tobacco Production Guide. Rural Press USA. p. 42.
- Gary Palmer and Bob Pearce. 1996. Tank-mix Combinations Show Advantages. in Burley and Dark Tobacco Production Guide. Rural Press USA. pp. 14-15.
- Gary Palmer and Bob Pearce. 1996. Major Variety Selections. in Burley and Dark Tobacco Production Guide. Rural Press USA. pp. 19-23.
- Bob Pearce and Gary Palmer. 1996. Measuring Fertility of Float Beds, in Burley and Dark Tobacco Production Guide. Rural Press USA. pp. 15.
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- Gary Palmer, M.T. Nielsen, W.C. Maksymowicz and B.S. Kennedy 1995. Major Varieties of Burley. in Production Guide: Burley & Dark Tobacco. Rural Press USA. pp. 6-9.
- Bob Pearce and Gary Palmer. 1995. Mix Float Plant Water After Adding Fertilizer. in Production Guide: Burley & Dark Tobacco. Rural Press USA. pp. 10-11
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- Gary Palmer and J.R. Calvert. 1994. Timing Harvest for Highest yields and Quality. in Burley Tobacco Production Guide. Southern Farm Publications. p 16.
- Gary Palmer. 1994. Adjusting Fertility Improves Float Plant Quality. in Burley Tobacco Production Guide. Southern Farm Publications. p 17.
- Gary Palmer and J.R. Calvert. 1994. Topping for Highest Quality and Yields. in Burley Tobacco Production Guide. Southern Farm Publications. pp. 20-21.
- Gary Palmer and J.R. Calvert. 1994. Correct Chemical Use for Sucker Control. in Burley Tobacco Production Guide. Southern Farm Publications. pp. 27.

- George Duncan, Gary Palmer and Bill Maksymowicz. 1994. Preparing Tobacco for Market. in Burley Tobacco Production Guide. Southern Farm Publications. pp. 19-20.
- Gary Palmer and W.C. Maksymowicz. 1993. The Float System for Producing Transplants. in Burley Tobacco Production Guide. Southern Farm Publications. pp. 8-10.
- Gary Palmer. 1989. Less Water, More Growth. Cooperative Farmer (Feb. issue). pp. 28-29. (Cover Story)

Internal Review Non-refereed Report:

- K.W. Seebold, Jr. and G.K. Palmer. 2006. Evaluation of Quadris for control of target spot on burley tobacco. PDMR Report No. 1:FC117
- K.W. Seebold, Jr. and G.K. Palmer. 2006. Evaluation of V-10161, Ridomil Gold, and Quadris for control of black shank on burley tobacco. PDMR Report No. 1:FC119
- K.W. Seebold, Jr. and G.K. Palmer. 2006. Evaluation of Quadris and V-10161 for control of blue mold on burley tobacco. PDMR Report No. 1:FC121
- K.W. Seebold, Jr. and G.K. Palmer. 2005. Evaluation of Quadris for control of target spot on burley tobacco. F&N Tests Vol 61:FC053

Field Test Reports: (Reports beginning in 2002 were posted to the web only)

- Gary Palmer and Bob Pearce. 2001. Burley Tobacco Field Test Data - 2000. 55 pages.
- Gary Palmer and Bob Pearce. 2000. Burley Tobacco Field Test Data - 1999. 45 pages.
- Gary Palmer and Bob Pearce. 1999. Burley Tobacco Field Test Data - 1998. 39 pages.
- Gary Palmer and Bob Pearce. 1999. Burley Tobacco Field Test Data - 1997. 45 pages. (Report delayed due to unusual curing conditions)
- Gary Palmer and Bob Pearce. 1997. Burley Tobacco Field Test Data - 1996. 48 pages.
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- Gary Palmer and Bob Pearce. 1995. Burley Tobacco Field Test Data - 1994. 55 pages.
- Gary Palmer. 1994. Burley Tobacco Test Plots for 1993.
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- Gary Palmer. 1991. Major Varieties of Burley Tobacco.

Experiment Station Reports:

- Gary Palmer and Bob Pearce. 1996. Response of Burley Tobacco to Sucker Control Chemicals. Agronomy Research Report. No. 385.
- J. H. Smiley, G. K. Palmer, and J. E. Herrmann. 1988. Low pH in Burley Tobacco Production. Agronomy Research Report. No. 312.

- G. K. Palmer, J. E. Herrmann, W. W. Witt, J. H. Smiley, and J. R. Calvert. 1987. Response of Burley Tobacco to Pendimethalin and Low pH. 99th Annual Report, Agriculture Experiment Station.
- G. K. Palmer, J. E. Herrmann, W. W. Witt, and J. H. Smiley. 1987. Influence of Soil Compaction on the Phytotoxicity of Preplant Incorporated Pesticides in Burley Tobacco. 99th Annual Report, Agriculture Experiment Station.
- J. H. Smiley, G. K. Palmer, and B. Tapp. 1987. Chilean Nitrate Study. 99th Annual Report, Agriculture Experiment Station.
- J. H. Smiley, G. K. Palmer, D. Grigson, and B. Tapp. 1987. Tobacco Rotation Study. 99th Annual Report, Agriculture Experiment Station.
- J. R. Calvert, T. G. Sutton, G. K. Palmer. 1987. Influence of Chemical Sucker Control Agents on Leaf Size and Yield of Burley Tobacco. 99th Annual Report, Agriculture Experiment Station.
- G. K. Palmer, J. H. Smiley, L. P. Bush, and H. R. Burton. 1985. Determination of total alkaloid content of burley tobacco prior to harvest.

Newsletters:

- Gary Palmer. Editor. ANR Today. Four issues. May, June, July & August, 2008
- Gary Palmer: Editor. Tobacco News. Vol. 1. Issue 2, June 2007.
- Gary Palmer and Kenny Seebold. Tobacco News. Vol. 1 Issue 1. April 2007.
- Paul Vincelli and Gary Palmer. Quadris® Fungicide Not Labeled for Tobacco in 2005.
- Gary Palmer. Cured tobacco that retains yellow fleshy spots. To ANR Agents (04)
- Gary Palmer. Endosulfan Residue. To ANR Agents (04)
- Gary Palmer. Early season problems make sucker control a difficult task. Special mailing to burley tobacco producers. Philip Morris U.S.A (8/14/89)
- Palmer, Nesmith, and Hartman. Tobacco - Update on the disease resistance of TN 86. Plant Pathology Section in Pest News Alert (No. 449 - 1/12/88)
- Palmer and Hartman. Tobacco - Avoiding Disease Problems by Variety Selection. Plant Pathology Section in Pest News Alert (No. 452 - 2/23/88)
- Palmer and Hartman. Tobacco: Early season plant bed disorders. Plant Pathology in Pest News Alert (No. 454 - 3/22/88)
- Palmer and Green. Weed Problems in Tobacco Plant Beds. Agronomy Section of Pest News Alert (No. 460 - 5/10/88)
- Palmer and Hartman. Tobacco Transplants - A Major Source of Spread of the Black Shank Fungus. Plant Pathology Section of Pest News Alert (No. 460 - 5/10/88)

VI. SERVICE AND RECOGNITION, 1984 – 2007

International Committees:

- Scientific Commission, VP Agronomy Group, elected (06-08)
- CORESTA TSNA Task Force. Chair (02-08)
- CORESTA Transplant Production Committee (01-04)

Forums:

Water Strategy Forum, Philip Morris USA, Richmond, VA.(04)
 Good Agricultural Practices Forum, Philip Morris USA, Richmond, VA, (04)
 TSNA Forum, Philip Morris USA, Richmond, VA, (06)

Association Committees:

Farm Bureau Natural Resources Advisory Committee (08)
 Council for Burley Tobacco, Advisory Committee (01-present)
 Burley Farmers Advisory Council, Executive Committee (84-present)
 Council for Burley Tobacco, GMO Committee (01, 02)
 Tobacco Marketing Cost Study Committee and Subcommittee (89-95)

University Committees:

University Senate (07-10)
 Green Tobacco Sickness Task Force (93)

College Committees:

New Agent Committee (08)
 Ag Faculty Council (05-07) Chair (06-07)
 College Web Committee (05-06)
 Western Regional Issues and Program Committee (04-05)
 Tobacco Task Force Committee (93-present)
 KSIA Tobacco Commodity Committee (84-present)
 Coordinator of Tobacco Field Trials (required interaction with the Farm Services Agency)
 R. J. Reynolds Steering Committee (84-94)
 Labor Task Force (90-92)
 Computer Committee (89-92)
 Association of Kentucky Extension Specialists

Departmental Committees:

Extension Coordinator (03-present)
 Field Day Committee, Co-Chair (89) Chair (04-07)
 Tobacco Commodity Committee – (85-present) Chair (93-present)
 Web Committee (05-07)
 Dark Tobacco Position Search Committee, Chair (02)
 Seed Committee (85-present)
 Tobacco Variety Review Committee (84-present)

Professional Societies:

Epsilon Sigma Phi (09-10)
 Kentucky Association of State Extension Professionals (95-08) Chair - Awards Committee (06), Membership Committee (87-88)
 CORESTA (90-08)

Tobacco Workers Conference: Tobacco Quality Committee (88-08) Chair – (95-96), Regional Burley Tobacco Evaluation Committee (85-07), Regional Tobacco Growth Regulator Committee (85-07)
 American Society of Agronomy (86-96)
 Southern Weed Science Society (82-84)
 Weed Science Society of America (82-84)

Invitations to Review:

Effects of irrigation method and micro-spraying amount on growth and development of flue-cured tobacco and water use efficiency. Shi Hongzhi, Di HuiHui, Wang Taiyun, Lui Guoshun, Fan Yikuam, and Xie Deping. For Agricultural Water Management (09)

Management of axillary shoot growth and maleic hydrazide residues with diflufenzopyr in flue-cured tobacco. Z.G. Taylor, L.R. Fisher, W.D. Smith and J.W. Wilcut. For Tobacco Science. (06)

Effects of Seedling Emergence on Plant Vigor. M. Hartley, W.D. Smith and L.R. Fisher. For Tobacco Science. (02)

Determining the Efficacy of Tobacco Sucker Control Application with Cupric Ion as a Tracer. R. L. Nichols, T. P. Gaines, and M. G. Stephenson. For the American Society of Agronomy for publication in the Agronomy Journal.

Nitrogen, Maleic Hydrazide Treatments, and "Wash-off Effects on Sucker Control and Residue in Flue-cured Tobacco. M.G. Stephenson and J. M. Moore. For Tobacco Science

Stratford H. Kay, W. David Smith, and Gordon S. Miner. Efficacy of Weekly Agribrom Treatments for Control of Algal and Fungal Growth in a Tobacco Float Production System. for Tobacco Science.

Charles Johnson and David Reid. Tobacco. for Encyclopedia of Agricultural Science.

UK Plant Diagnostic Lab Service: Tobacco Samples

Year	Samples Diagnosed	Samples Consulted
2007	14	1
2006	22	3
2005	20	9
2004	28	11
2003	27	3
2002	23	5
2001	25	1
2000	24	0
1999	56	5
1998	57	9
1997	44	11
1996	59	7

Other Honors and Awards:

Gamma Sigma Delta Honor Society

Phi Kappa Phi Honor Society
 Tennessee Agricultural Chemical Association Graduate Student Award (84)
 President of Entomology and Plant Pathology Graduate Student Association (80-81)

Invited Lectures and Presentations:

- R. Pearce, P. Denton, D. Peek, and Gary Palmer. 2010. Influence of harvest date and nitrogen rates on yield and TSNA of burley tobacco. 44th Tobacco Workers Conference. Lexington, KY.
- Gary Palmer. 2007. Pesticide Concerns. Presented at Alliance One International Grower Meeting. Lexington and Maysville, KY.
- Gary Palmer. 2007. Producing a Quality Crop. Philip Morris, USA Growers Meeting. Lexington, KY and Philip Morris International Grower Meeting. Glasgow, Mt Sterling and Maysville, KY.
- G. K. Palmer. 2006. Burley Tobacco Projects. Burley Tobacco Research and Education Forum. Lexington, KY
- Gary Palmer. 2006. Burley Tobacco Projects. Gary Palmer. 2006. What could the Atacama Desert of Chile possibly have in common with tobacco production in Kentucky? Gamma Sigma Delta Distinguished Lecture Series. Cameron Williams Lecture Hall, University of Kentucky.
- G. K. Palmer. 2006. Sucker Control and MH Residue in Burley Tobacco. Presented at the 42st Tobacco Workers Conference. Charleston, SC.
- Tom C. Bridges, George A. Duncan and Gary K. Palmer. 2006. The Time to Apply Supplemental Moisture to Maximize Burley Crop Yield. Presented at the 42st Tobacco Workers Conference. Charleston, SC.
- G. K. Palmer. 2006. Factors that Influence TSNA Accumulation. Souza Cruz do Brazil Company Meeting. Rio de Janeiro, Brazil.
- G. K. Palmer. 2005. Influence of nitrogen rate and source on TSNA accumulation. CORESTA Agro-Phyto Groups Meeting, Santa Cruz do Sul, Brazil.
- G. K. Palmer. 2005. TSNA Task Force: Status Report. CORESTA Agro-Phyto Groups Meeting, Santa Cruz do Sul, Brazil.
- G. K. Palmer. 2005. Applied Burley Tobacco Research. Joint Informational Hearing, The Tobacco Task Force and Agriculture and Small Business Committee. Kentucky State Legislature.
- G. K. Palmer. 2005. Nitrosamines and Plant Nutrition. X International Tobacco Seminar. Santiago, Chile (05)
- G. K. Palmer. 2005. Overview of Burley Tobacco Production in the USA. X International Tobacco Seminar. Santiago, Chile.
- G. K. Palmer. 2005. Development of a New Stick-Loading Harvester and Harvest System for Burley Tobacco. X International Tobacco Seminar. Santiago, Chile.
- G. K. Palmer. 2004. TSNA Task Force: Status Report. CORESTA Congress, Kyoto, Japan.
- G. K. Palmer. 2004. Seed Screening. Philip Morris Partnering Program, Seminar. Hartsville, TN, Glasgow, & Elizabethtown, KY. 900 attendees.
- G. K. Palmer. 2004. TSNA levels in burley tobacco fertilized with different sources of nitrogen. Presented at the 41st Tobacco Workers Conference. Nashville, TN.

- G. K. Palmer. 2003. Nitrosamine Issues. IX International Tobacco Seminar. Porto Alegre, Brazil.
- G. K. Palmer. 2003. Effects of Climatic and Environmental on Tobacco Yield and Quality. IX International Tobacco Seminar. Porto Alegre, Brazil.
- G. K. Palmer. 2003. TSNA Task Force: Status Report. CORESTA. Bucharest, Romania.
- G. K. Palmer. 2003. Production Update. Philip Morris Partnering Program, Seminar. Maysville. 270 attendees.
- G. K. Palmer. 2002. Influence of Harvest Date on Yield and Quality of Burley Tobacco. Presented at the 40th Tobacco Workers Conference. Pinehurst, N.C.
- G. K. Palmer. 2002. TSNA Task Force: Status Report. CORESTA. New Orleans, LA.
- G. K. Palmer. 2002. Production Update. Philip Morris Partnering Program, Seminar. Elizabethtown. 145 attendees.
- G. K. Palmer. 2002. VIII SQM International Tobacco Seminar. Key Factors for Good Quality in Burley Tobacco. Raleigh.
- G. K. Palmer. 2002. Air Curing Burley Tobacco. VIII SQM International Tobacco Seminar. Raleigh.
- G. K. Palmer. 2002. Production Update. Universal Leaf Seminar. Cynthiana and Danville. 96 in attendance.
- G. K. Palmer. 2002. Burley Tobacco production and Burley Tobacco Varieties and Traits. Burley Tobacco Production and Marketing Seminar. For Dealers.
- G. K. Palmer. 2001. Fertilizing Tobacco to Meet Today's Needs. Glasgow, Lebanon, Lexington and Maysville. Philip Morris Partnering Program, Seminars. Over 500 total attendees.
- G. K. Palmer. 2001. Key Components for Achieving High Yields and Premium Quality Burley Tobacco. VII International Seminar of Tobacco Production. Lexington.
- Gary Palmer and Scott Althausen. 2000. MH Residue in Burley Tobacco. Presented at the 39th Tobacco Workers Conference. Colonial Williamsburg, Virginia.
- G. K. Palmer. 1999. Topping Height and Timing in Burley Tobacco. CORESTA. Suzhuo, China.
- G. K. Palmer. 1999. Stowaway Temperature Sensors for Evaluating Temperature in float Systems. Presented at the 38th Tobacco Workers Conference. Lexington, Kentucky
- G. K. Palmer. 1997. Changing Sucker Control Methods. CORESTA. Montreux, Switzerland.
- Gary Palmer and Bob Pearce. 1996. Sucker Control in Burley Tobacco. Presented at the 37th Tobacco Workers Conference. Hamilton, Ontario.
- G. K. Palmer. 1995. Primed Seed in the Float System. Presented at the 36th Tobacco Workers Conference. Tampa, Florida.
- G. K. Palmer. 1995. Effects of Tray Filling and Dibbling on Float Plant Growth and Development. CORESTA. Oxford, England.
- G. K. Palmer. 1994. Burley Tobacco Production and Burley Tobacco Curing. Chilean Nitrate Agronomist Seminar. Puerto Vallarta, Mexico.
- G. K. Palmer. 1994. Evaluation of Primed Tobacco Seeds. Alternate Year Tobacco Workers Seminar for Agronomist and Entomologist from Tobacco Producing States. Williamsburg, Virginia.

- G. K. Palmer. 1993. Evaluation of Adjuvants as an Enhancement to Control of Suckers with Maleic Hydrazide. Presented at the 35th Tobacco Workers Conference. Savannah, Georgia. (93)
- G. K. Palmer. 1993. Assessing Fertility Levels with a Soluble Salts Meter. Southern Extension Agronomist Workshop. Gatlinburg, Tennessee.
- J. R. Calvert, G. K. Palmer, L. A. Link, H. Seltmann, P. P. Hunter, and W. A. Krueger. 1989. Effects of sucker control methods on burley tobacco grown under varying nitrogen rates and harvest dates. Presented at the 33rd Tobacco Workers Conference.
- G. K. Palmer, L. P. Bush, and J. H. Smiley. 1989. Interactions of nitrogen, potash, and harvest date on burley tobacco quality and yield. Presented at the 33rd Tobacco Workers Conference.
- L. P. Bush and G. K. Palmer. 1989. Potassium deficiency and leaf quality. Presented at the 33rd Tobacco Workers Conference.
- G. K. Palmer, J. H. Smiley, and J. R. Calvert. 1989. In search of a better plant bed cover. Presented at the 33rd Tobacco Workers Conference.
- J. H. Smiley, G. K. Palmer, and B. Tapp. 1989. Effects of harvest date after topping on yield and quality of burley tobacco. Presented at the 33rd Tobacco Workers Conference.
- G. K. Palmer, J. E. Herrmann, and J. H. Smiley. 1987. Influence of soil compaction on the phytotoxicity of preplant incorporated pesticides in burley tobacco. Presented at the 32nd Tobacco Workers Conference.
- G. K. Palmer, J. E. Herrmann, and J. H. Smiley. 1987. Greenhouse bioassay of Prowl-pH interactions. Presented at the 32nd Tobacco Workers Conference.
- J. E. Herrmann, G. K. Palmer, and J. H. Smiley. 1987. Influence of soil acidity on Prowl phytotoxicity. Presented at the 32nd Tobacco Workers Conference.
- J. H. Smiley, G. K. Palmer, and B. Tapp. 1987. The effect of crop rotation on yield of burley tobacco. Presented at the 32nd Tobacco Workers Conference.
- B. Tapp, J. H. Smiley, and G. K. Palmer. 1987. Use of non-acid forming fertilizers on burley tobacco. Presented at the 32nd Tobacco Workers Conference.
- J. R. Calvert, T. G. Sutton, and G. K. Palmer. 1987. The effects of sucker control chemicals, topping height, and harvest date on leaf size and yield of burley tobacco. Presented at the 32nd Tobacco Workers Conference.
- G. K. Palmer. 1985. Annual grass interference and postemergence control in burley tobacco. Presented at the 31st Tobacco Workers Conference.
- G. K. Palmer and L. S. Jeffery. 1983. Fall panicum competition in burley tobacco. Proc. Southern Weed Science Society. 36:344.
- G. K. Palmer and L. S. Jeffery. 1982. CGA 43089 Concep and MON 4606 as grain sorghum seed protectants. Proc. Southern Weed Science Society. 35:55.

VII. ELECTRONIC MEDIA, 1984 – 2007

Online Courses:

- Field Production of Burley Tobacco. 2007. On Cooperative Extension Curriculum Project (CECP) web site. Gary Palmer & Ricky Yeargan.
- Tobacco Transplant Production with the Float System. 2006. On Cooperative Extension Curriculum Project web site. Gary Palmer & Ricky Yeargan.

Web Sites:

- www.ca.uky.edu/anr. 2008-present. Agriculture and Natural Resources web site. Major redesign. Continual Updates.
- www.uky.edu/Ag/Tobacco. 1996-2008. Comprehensive Burley Tobacco Home Page with links to Publications, Research, News, Diagnostic Photo Gallery, & Links Tobacco and Related Industry. (Development 01, Continual Updates 01-present)
Traffic average: 15,700 per year, June 1-August 15, 2007: 2521 visits, 30.5% new visits, 44.8% from Kentucky, 87% from the USA with visits from 50 other countries, 893 unique visits, 6:52 minutes average time per visit, bounce rate 54.72 %, average pages viewed 2.21.
- Ag Faculty Council. Updated and reorganized the Councils web site. (07).
- www.uky.edu/Ag/Tobacco/Coresta.htm. Web page to disseminate information to CORESTA TSNA Task Force members. (02 – 08)
- www.uky.edu/Ag/TobaccoProd/tobacco_expo_2003.htm. Web page for exhibitors who attended the Tobacco Expo. (02 -04)

Agents web page. An agent's web page was established to provide restricted access to information, on farm contract forms, pesticide labels, power point presentations and other information specifically designed to aid Ag agents. This site has been emulated by colleagues in Plant & Soil Sciences and at other Universities (01-08)

Web Postings

- 2007 Burley Test Plot Data (08)
- 2006 Burley Test Plot Data (07)
- Kentucky Burley Yield Estimate Based on Rainfall. (02-present)
Current prediction August 2007 - 170,170,000 lb
Last Year's prediction Oct. 2006 – 149,384,680 lb
USDA final estimate May 2007 – 153,300,000 lb
- 2005 Burley Test Plot Data (06)
- MH Residue Figures for 2004 Crop Year with Comparisons to Previous Years (05)
- 2003 Environmental Impact of Burley Tobacco Production in the Eight State Burley Belt. G. Palmer, S. Goode & S. Isaacs. (04)
- 2004 Burley Test Plot Data (05)
- MH Residue Figures for 2003 Crop Year with Comparisons to Previous Years (04)
- 2003 Burley Test Plot Data (04)
- University of Kentucky Justification and Guidelines for the On-farm Tobacco Testing Program (03)
- Nitrogen Source Study – Dark Tobacco – Mclean Co. (02)
- Assessing Pesticide Spray Drift Damage. (02)
- Diagnostic Photo Gallery updated as problems develop – Most recent posts (Boron Deficiency, Light Deficiency – 07; Atrazine Damage, Bacterial Hollow Stalk, Dinitroaniline Damage, Fusarium Wilt, Hornworm (Barn), Potassium Deficiency, Quadris Injury, Tomato Hornworm, Urea Fertilizer Damage – 06;

Command Cover Crop Damage, Command Damage, Frogeye Leaf Spot,
Roundup Drift, Salt Deposits, Mild Terramaster Symptoms – 05)
Virtual Industry Tour – Designed for those who could not attend but which to see
crop status and view tobacco test, (02)
Virtual Variety Tour – Logan Co. (01)
Guidelines for Conducting on Farm Tests. (01)
Spiral roots in tobacco seedling. (01)
Conductivity Charts for DiST 4 Meters. (01)

Email – Newsletters:

(Designed for agents who may distributed to producers or use in their own
newsletters)

Cool weather injury and/or premature bloom in tobacco fields. (06)
Water Damage: Drowning and Wet Feet. (03)
Houseburn. (03)
Premature bloom in tobacco. (02)
Cool weather stress in tobacco (01)
New Varieties - Gary Palmer & Bob Pearce (00)
Palmer and Pearce. New Tobacco Varieties (00)
Handling Uneven Burley Tobacco (July 99)
Wells, Pearce and Palmer. Chloride on Tobacco (99)
Pearce and Palmer. What the heck are Nitrosamines? (99)