

**DEPARTMENT OF PLANT AND SOIL SCIENCE
TEXAS TECH UNIVERSITY
LUBBOCK, TX 79409-2122
CURRICULUM VITAE**

*Peter A. Dotray
Rockwell Professor of Weed Science, Department of Plant and Soil Science,
Texas Tech University; and
Professor and Extension Weed Specialist,
Department of Soil and Crop Science, The Texas A&M University System*

Education:

Ph.D. University of Minnesota. 1993. Agronomy. Emphasis: Weed Physiology.
M.S. Washington State University. 1989. Agronomy. Emphasis: Weed Science.
B.S. University of Minnesota. 1986. Agronomy. Emphasis: Crop Production.

Professional Experience:

Professor of Agronomy. Department of Plant and Soil Science. Texas Tech University
and Professor and Extension Weed Specialist. Department of Crops and Soil Science.
The Texas A&M University System. 2004-present.
Associate Professor of Agronomy. Department of Plant and Soil Science. Texas Tech
University and Associate Professor and Extension Weed Specialist. Department of
Crops and Soil Science. The Texas A&M University System. 1999-2004.
Assistant Professor of Agronomy. Department of Plant and Soil Science. Texas Tech
University, Assistant Professor and Extension Weed Specialist, Department of Crops
and Soil Science, The Texas A&M University System. 1993-99.
Graduate Research Assistant. Department of Agronomy and Plant Genetics. University of
Minnesota. 1989-93.
Associate in Research/Weed Science-Integrated Pest Management, Department of
Agronomy and Soils. Washington State University. 1988-89.
Graduate Research Assistant. Department of Agronomy and Soils. Washington State
University. 1986-88.

Professional and Honorary Societies:

American Peanut Research and Education Society (APRES)
Gamma Sigma Delta (Honor Society of Agriculture)
Phi Kappa Phi
Southern Weed Science Society
Weed Science Society of America

Honors and Awards:

Honors:

Agronomy Club Honorary Club Member. 1995-96.
Who's Who Among America's Teachers. 1998.
Texas Tech University Teaching Academy. 1999.

American Peanut Research and Education Society Wallace K. Bailey Award for Best presentation in Weed Science Section. (4X).
Presidential Who's Who. 2009.

Awards:

Vice Chancellor's Award in Excellence. Texas A&M AgriPartners. 1995.
Ex-Students Association's New Faculty Award. 1996.
West Texas Agricultural Chemicals Institute Institutional Award. 2001.
Outstanding Young Weed Scientist Award. Southern Weed Science Soc. 2002.
Weed Science Soc. of America Outstanding Young Weed Scientist Award. 2004.
Texas Tech University President's Excellence in Teaching Award. 2006.
Texas Tech University President's Academic Achievement Award. 2006.
Texas Tech University College of Agricultural Sciences and Natural Resources Service and Outreach Award. 2006.
Gamma Sigma Delta Outstanding Service to Agriculture Award. 2007.
Outstanding Educator Award. Southern Weed Science Society. 2010.
American Peanut Research and Education Society Dow AgroSciences Award for Excellence in Research. 2010.
Texas County Agricultural Agents Association Specialist of the Year. 2011.
Texas Agricultural Industries Association Outstanding Educator Award. 2012.
Extension Award. Soil and Crop Science Department. Texas A&M Univ. 2012.
American Peanut Research and Education Society Dow AgroSciences Award for Excellence in Teaching. 2013.
Weed Science Society of America Outstanding Teacher Award. 2014.
RaiderReady First-Year Advocate and Faculty Fellowship Award. 2014.
Texas Tech University Integrated Scholar. 2015.
Texas Tech University College of Agricultural Sciences and Natural Resources Research Award. 2015.
Team Award for Superior Service – North Region Cotton Resistant Weed Management. Texas A&M AgriLife Extension. 2017.
Team Award for Superior Service – Cotton and Weed Science. Texas A&M AgriLife Extension. 2018.
Texas County Agricultural Agents Association Specialist of the Year. 2019.
Fellow – American Peanut Research and Education Society. 2019.
Texas Tech University College of Agricultural Sciences and Natural Resources Teaching Award. 2020.
Fellow – Southern Weed Science Society. 2022.
Texas Tech University Chancellor's Council Distinguished Teaching Award. 2022.
Outstanding High Plains Special Service Award – Plains Cotton Growers. 2022.

Principal Research Interests:

Weed control in agronomic crops grown on the Texas High Plains; Weed biology/ecology; Herbicide resistant weeds; Herbicide physiology; Development of herbicide-tolerant crops.

Books and Book Chapters (Career Total of 9):

1. Grichar, W. J., R. G. Lemon, P.A. Dotray, and B. A. Besler. 2004. Control of Problem Weeds and Net Returns with Herbicide Programs in Peanut (*Arachis hypogaea* L.) in

- Inderjit (ed.) Principles and Practices in Weed Management: Weed Biology and Weed Management. Kluwer Academic Publishers, Dordrecht, The Netherlands. pp. 485-515.
2. Grichar, W.J., P.A. Dotray, and E.P. Prostko. 2008. Using diclosulam for yellow (*Cyperus esculentus*) and purple (*Cyperus rotundus*) nutsedge control in peanut in Crop Rotation. Yaram U. Berklian ed. Nova Science Publishers, Inc. pp. 123-140.
 3. Grichar, W.J., P.A. Dotray, and D.R. Langham. 2011. Weed control and the use of herbicides in sesame production in Herbicides, Theory and Applications. S. Soloneski and M. Larramendy, eds. Intech. Rijeka, Croatia. Pp. 41-72. ISBN: 978-953-307-975-2.
 4. Grichar, W.J., P.A. Dotray, and J. Woodward. 2013. Weed and disease control and peanut response following postemergence herbicide and fungicide combinations in Herbicides - Current Research and Case Studies in Use. Chapter 5. Andrew Price, ed. ISBN: 978-953-51-1112-2, Intech. <http://www.intechopen.com/books/herbicides-current-research-and-case-studies-in-use/weed-and-disease-control-and-peanut-response-following-post-emergence-herbicide-and-fungicide-combinations>.
 5. Grichar, W. J., P.A. Dotray, and D. R. Langham. 2015. Sesame (*Sesamum indicum*) response to postemergence-directed herbicide applications. In Herbicides, Agronomic Crops and Weed Biology. A. Price, J. Kelton, and L. Sarunaite, eds. ISBN 978-953-51-2218-0. <http://dx.doi.org/10.5772/61554>.
 6. Grichar, W.J., P.A. Dotray, J.A. McGinty, and T.W. Janak. 2017. Using herbicide programs to control weeds in corn (*Zea mays* L.) and cotton (*Gossypium hirsutum* L.). In Herbicide Resistance in Weeds and Crops, ISBN 978-953-51-3556-2, Intech Publisher. https://urldefense.proofpoint.com/v2/url?u=http-3A_www.intechopen.com_articles_show_title_using-2Dherbicide-2Dprograms-2Dto-2Dcontrol-2Dweeds-2Din-2Dcorn-2Dzea-2Dmays-2DI-2Dand-2Dcotton-2Dgossypium-2Dhirsutum-2DI-2D&d'DwIFaQ&c'r_tSStIHV2ie60z4DgB-pQ&r'VSyp1j31kAhZ3oYgsPVo-NwJhOJF_duM0YtE4iy1_FI&m'EZrJhTFwW48A3TN0U5pR19hbCXdZvO8p9y_wODNHTRY&s'q6ftJ29QPxxTWncCYrDb34kARTQgy-Zo1M5D_gWokOs&e'.
 7. Grichar, W.J., P.A. Dotray, and M.A. Matocha. 2018. Influence of adjuvants on efficacy of postemergence herbicides commonly used in peanut (*Arachis hypogaea* L.) in Legume Crops. IntechOpen. 16 pgs. DOI:10.5772/intechopen.82708 https://pdfs.semanticscholar.org/965a/81f2c7eb199b9e212e00df4a00a5e14acfa8.pdf?_ga=2.31610038.925908733.1570205069-1100431656.1570205069
 8. Grichar, W.J., P.A. Dotray, and D.R. Langham. 2020. Effects of harvest aids on sesame (*Sesamum indicum* L.) drydown and maturity in the US In “Herbicides - Current Research and Case Studies in Use” by IntechOpen – Open Access Publisher. DOI: 10.5772/intechopen.91011. ISBN 978-953-51-4413-7. <https://www.intechopen.com/online-first/effects-of-harvest-aids-on-sesame-sesamum-indicum-l-drydown-and-maturity>
 9. Grichar, W.J., P.A. Dotray, and T.A. Baughman. 2024. Weed control in peanut (*Arachis hypogaea* L.) using carfentrazone plus pyroxasulfone herbicide systems In Legumes Crops – Cultivation, Uses and Benefits. DOI: 10.5772/intechopen.1006181.

In Review:

1. Leon R, D Jordan, S Morichetti, T Baughman, P Dotray, J Grichar, E Prostko, C Johnson, T Grey. Biology and Management of Weeds in Peanut.

CD ROM:

1. Dotray, P.A. (Editor) 2002. Proceedings of the Southern Weed Science Society. ISSN: 0362-4463. 408 p.
2. Dotray, P.A. (Editor) 2003. Proceedings of the Southern Weed Science Society. ISSN: 0362-4463. 573 p.
3. Dotray, P.A. (Editor) 2004. Proceedings of the Southern Weed Science Society. ISSN: 0362-4463. 617 p.

Website-Research Gate:

1. Sesame weed control. Part 1. D. R. Langham, W. J. Grichar, and P.A. Dotray. https://www.researchgate.net/publication/329322672_XVI_Sesame_Weed_Control_Part_1_Working_Paper_1. Nov. 2018.
2. Sesame weed control. Part 2. D. R. Langham, W. J. Grichar, and P.A. Dotray. https://www.researchgate.net/publication/329322672_XVI_Sesame_Weed_Control_Part_2_-_Working_Paper-1. Nov. 2018.

Refereed Publications (Career Total of 104):

1. Young, F. L., A. G. Ogg, Jr., and P.A. Dotray. 1990. Effect of postharvest field burning on jointed goatgrass (*Aegilops cylindrica*) germination. *Weed Technology* 4:123-127.
2. Marshall, L. C., D. A. Somers, P.A. Dotray, B. G. Gengenbach, D. L. Wyse, and J. W. Gronwald. 1992. Allelic mutations in acetyl-coenzyme A carboxylase confer herbicide tolerance in maize. *Theoretical Applied Genetics* 83:435-442.
3. Dotray, P. A., J. M. DiTomaso, J. G. Gronwald, D. L. Wyse, and L. V. Kochian. 1993. Effects of acetyl-coenzyme A carboxylase inhibitors on electrical membrane potential in roots of graminicide-tolerant and -susceptible corn (*Zea mays*). *Plant Physiology* 103:919-924.
4. Dotray, P. A., L. C. Marshall, W. B. Parker, D. L. Wyse, D. A. Somers, J. W. Gronwald, and B. G. Gengenbach. 1993. Herbicide tolerance and weed control in sethoxydim-tolerant corn (*Zea mays*). *Weed Science* 41:213-217.
5. Dotray, P.A. and F. L. Young. 1993. Characterization of root and shoot development of jointed goatgrass (*Aegilops cylindrica*). *Weed Science* 41:353-361.
6. Dotray, P.A. and J. W. Keeling. 1996. Silverleaf nightshade (*Solanum elaeagnifolium*) control in cotton with glyphosate at reduced rates. *Texas Journal of Agriculture and Natural Resources* 9:33-41.
7. Dotray, P. A., J. W. Keeling, C. G. Henniger, and J. R. Abernathy. 1996. Palmer amaranth (*Amaranthus palmeri*) and Devil's claw (*Proboscidea louisianica*) control in

- cotton (*Gossypium hirsutum*) with pyriithiobac. Weed Technology 10:7-12.
8. Dotray, P.A. and C. B. McKenney. 1996. Established and seeded buffalograss tolerance to herbicides applied preemergence. HortScience 31:393-395.
 9. Keeling, J. W., P.A. Dotray, and J. R. Abernathy. 1996. Effects of repeated applications of trifluralin and pendimethalin on cotton (*Gossypium hirsutum*). Weed Technology 10:295-298.
 10. Dotray, P.A. and J. W. Keeling. 1997. Purple nutsedge control in peanut as affected by imazameth and imazethapyr application timing. Peanut Science 24:113-116.
 11. Wheeler, T. A., P.A. Dotray, and J. Winchester. 1998. Root rot by *Rhizoctonia solani* on *Ambrosia grayi* in Texas. Plant Disease 82:959.
 12. Grichar, W. J., P.A. Dotray, and D. C. Sestak. 1999. Diclosulam for weed control in Texas peanut. Peanut Science 26:23-28.
 13. Light, G. G., P.A. Dotray, and J. R. Mahan. 1999. Thermal dependence of pyriithiobac efficacy in *Amaranthus palmeri*. Weed Science 47:644-650.
 14. Blair, L. K., P.A. Dotray, J. W. Keeling, J. R. Gannaway, M. J. Oliver, and J. E. Quisenberry. 2001. Tolerance of transformed cotton *Gossypium hirsutum* to glufosinate. Weed Science 49:375-380.
 15. Dotray, P. A., T. A. Baughman, J. W. Keeling, W. J. Grichar, and R. A. Lemon. 2001. Effect of imazapic application timing on Texas peanut (*Arachis hypogaea*). Weed Technology 15:26-29.
 16. Light, G. G., P.A. Dotray, and J. R. Mahan. 2001. A thermal application range for postemergence pyriithiobac applications. Weed Science 49:543-548.
 17. Sheikh, T., T. A. Wheeler, P.A. Dotray, and J. Zak. 2001. Biological control of woollyleaf bursage (*Ambrosia grayi*) with *Pseudomonas syringae*. Weed Technology 15:375-381.
 18. Grichar, W. J., P.A. Dotray, R. G. Lemon, T. A. Baughman, V. B. Langston, and B. Braxton. 2001. Using Strongarm for weed control in Texas peanut. Texas Journal of Agriculture and Natural Resources 14:125-132.
 19. Asher, B. S., J. W. Keeling, and P.A. Dotray. 2002. Weed management in transgenic and non-transgenic cotton (*Gossypium hirsutum*) in the Texas High Plains. Texas Journal Agriculture Natural Resources. 15:27-36.
 20. Everitt, J. D., J. W. Keeling, and P.A. Dotray. 2002. Woollyleaf bursage (*Ambrosia grayi*) management in transgenic cotton on the Texas Southern High Plains. Texas Journal of Agriculture and Natural Resources. 15:37-43.
 21. Dotray, P. A., J. W. Keeling, W. J. Grichar, E. P. Prostko, R.G. Lemon, and J. D. Everitt.

2003. Peanut response to ethalfluralin, pendimethalin, and trifluralin preplant incorporated. *Peanut Science* 30:34-37.
22. Light, G. G., T. A. Baughman, P.A. Dotray, J. W. Keeling, D. B. Wester. 2003. Performance of glyphosate-tolerant stripper cotton varieties following glyphosate applications on the Texas High and Rolling Plains. *Journal Cotton Sci.* 7:231-235.
 23. Osborne, T. S., J. W. Keeling, and P.A. Dotray. 2003. Pyriithiobac combinations control red morningglory (*Ipomoea coccinea*) and devil's-claw (*Proboscidea louisianica*) in cotton (*Gossypium hirsutum*). *Texas Journal of Agriculture and Natural Resources.* 16:15-23.
 24. Mahan, J. R., P.A. Dotray, and G. G. Light. 2004. Thermal dependence of enzyme inhibition: Implications for herbicide efficiency and tolerance. *Physiologia Plantarum.* 120:187-195.
 25. Lyon, L. L., J. W. Keeling, and P.A. Dotray. 2004. Evaluation and adaptation of the HADSS computer program in Texas High Plains cotton (*Gossypium hirsutum*). *Weed Technology.* 18:315-324.
 26. Grichar, W. J., B. A. Besler, P.A. Dotray, W. C. Johnson, III, and E. P. Prostko. 2004. Interaction of flumioxazin with dimethenamid or metolachlor in peanut (*Arachis hypogaea* L.). *Peanut Science.* 31:12-16.
 27. Grichar, W. J., B. A. Besler, T. A. Baughman, P.A. Dotray, R. G. Lemon, and S. A. Senseman. 2004. Cotton response to imazapic and imazethapyr residues following peanut. *Texas Journal of Agriculture and Natural Resources.* 17:32-39.
 28. Dotray, P.A., B.L. Porter, and J.W. Keeling. 2004. Peanut response to 2,4-DB plus crop oil at various application timings. *Texas Journal of Agriculture and Natural Resources.* *Texas Journal of Agriculture and Natural Resources.* 17:40-45.
 29. Allen, V. G., C. P. Brown, R. Kellison, E. Segarra, T. Wheeler, P.A. Dotray, J. C. Conkwright, C. J. Green, and V. Acosta-Martinez. 2005. Integrating cotton and beef production to reduce water withdrawal from the Ogallala aquifer in the Southern High Plains. *Agronomy Journal.* 97:556-567.
 30. Mahan, J.R., P.A. Dotray, G.G. Light, and K.R. Dawson. 2006. Thermal dependence on bioengineered glufosinate resistance in cotton. *Weed Science* 54:1-5.
 31. Grichar, W.J., B.A. Besler, and P.A. Dotray. 2006. Weed control and peanut (*Arachis hypogaea*) response to sulfentrazone. *Crop Protection.* 25:753-757.
 32. Grichar, W.J., P.A. Dotray, B.A. Besler, and V.B. Langston. 2006. Weed control programs in peanut (*Arachis hypogaea*) with diclosulam and ethalfluralin combinations. *Texas Journal of Agriculture and Natural Resources* 19:62-71.
 33. Grey, T.L., P.A. Dotray, and W.J. Grichar. 2007. Soil and residual herbicide affect on peanut seedling development. *Peanut Science* 34:65-70.

34. Grichar, W.J. and P.A. Dotray. 2007. Weed control and sesame (*Sesamum indicum* L.) response to preplant incorporated herbicides and method of incorporation. *Crop Protection*. 26:1826-1830.
35. Grichar, W.J. and P.A. Dotray. 2007. Control of peanut (*Arachis hypogaea*) with cotton (*Gossypium hirsutum* L.) herbicides. *Peanut Science* 34:109-113.
36. Woodward, J.E., M.A. Batla, P.A. Dotray, T.A. Wheeler, and T.A. Baughman. 2008. First report of *Sclerotinia minor* infecting *Ipomoea hederacea* and *I. coccinea* in Texas. *Plant Disease*. 92:482.
37. Grichar, W.J., P.A. Dotray, and T.A. Baughman. 2008. Yellow nutsedge (*Cyperus esculentus*) control and peanut tolerance to *S*-metolachlor and diclosulam combinations. *Weed Technology*. 22:442-447.
38. Joy, B.L., J.W. Keeling, and P.A. Dotray. 2008. Weed management in enhanced glyphosate-resistant cotton. *Texas Journal of Agriculture and Natural Resources*. 21:1-13.
39. Bechere, E., D.L. Auld, P.A. Dotray, L.V. Gilbert, and H. Kebede. 2009. Imazamox tolerance in mutation-derived lines of upland cotton. *Crop Science*. 49:1586-1592.
40. Grichar, W.J., P.A. Dotray, and D.R. Langham. 2009. Sesame (*Sesamum indicum* L.) response to preemergence herbicides. *Crop Protection*. 28:928-933.
41. Bechere, E., D.L. Auld, P. Dotray, and H. Kebede. 2010. Registration of four upland cotton (*Gossypium hirsutum* L.) genetic stock mutants with tolerance to imazamox. *Journal of Plant Registrations*. 4:155-158.
42. Grichar, W.J. and P.A. Dotray. 2010. Response of Texas peanut to chlorimuron alone and in various combinations. *Peanut Science*. 37:26-31.
43. Dotray, P.A., T.A. Baughman, and W.J. Grichar. 2010. Peanut response to carfentrazone-ethyl and pyraflufen-ethyl applied postemergence-topical. *Peanut Science*. 37:52-57.
44. Grichar, W.J., P.A. Dotray, and T.A. Baughman. 2010. Peanut variety response to applications of carfentrazone-ethyl and pyraflufen-ethyl. *Crop Protection*. 29:1034-1038.
45. Batla, M.A., J.W. Keeling, and P.A. Dotray. 2010. Palmer amaranth (*Amaranthus palmeri*) management in second-generation glyphosate-resistant cotton. *Texas Journal of Agriculture and Natural Resources*. 23:64-70.
46. Grichar, W.J., P.A. Dotray, and T.A. Baughman. 2010. Postemergence weed control in peanut using reduced rate or combinations of imazapic and imazethapyr. Online. *Crop Management*. doi:10.1094/CM-2010-1110-01-RS.
47. Ford, A.J., P.A. Dotray, J.W. Keeling, J.B. Wilkerson, and L.V. Gilbert. 2011. Site-specific weed management in cotton using WebHADSS. *Weed Technology* 25:107-112.

48. Keeling, J.W., K.S. Verett, J.D. Reed, and P.A. Dotray. 2011. Cotton (*Gossypium hirsutum*) tolerance to propazine applied pre- and postemergence. *Weed Technology*. 25:178-182.
49. Prostko, E.P., T.L. Grey, M.W. Marshall, J.A. Ferrell, P.A. Dotray, D.L. Jordan, W.J. Grichar, B.J. Brecke, and J.W. Davis. 2011. Influence of dicamba on peanut yield, pod weight, and seed weight. *Peanut Science*. 38:61-65.
50. Light, G.G., M.Y. Mohammed, P.A. Dotray, J.M. Chandler, and R.J. Wright. 2011. Glyphosate-resistant common waterhemp (*Amaranthus rudis*) confirmed in Texas. *Weed Technology*. 25:480-485.
51. Grichar, W.J. and P.A. Dotray. 2011. Controlling weeds found in peanut with lactofen. Online. *Crop Management*. doi:10.1094/CM-2011-0912-01-RS. 8 p.
52. Grichar, W.J. and P.A. Dotray. 2012. Weed control and peanut tolerance with ethalfluralin-based herbicide systems. *International Journal of Agronomy*. Hindawi Publishing Corporation - Online. Volume 2012, Article ID 597434. doi:10.1155/2012/597434. 8 pages. <http://www.hindawi.com/journals/ija/2012/597434/>
53. Grichar, W.J., P.A. Dotray, and D.R. Langham. 2012. Sesame (*Sesamum indicum* L.) growth and yield as influenced by preemergence herbicides. *International Journal of Agronomy*. Hindawi Publishing Corporation - Online. Volume 2012, Article ID 809587. doi:10.1155/2012/809587. 7 pages. <http://downloads.hindawi.com/journals/ija/2012/809587.pdf>
54. Grichar, W.J., P.A. Dotray, and T.A. Baughman. 2012. Influence of simulated imazapic and imazethapyr herbicide carryover on cotton (*Gossypium hirsutum* L.). *International Journal of Agronomy*. Hindawi Publishing Corporation - Online. Volume 2012, Article ID 274279. doi:10.1155/2012/274279. 6 pages. <http://www.hindawi.com/journals/ija/2012/274279/>.
55. Grichar, W.J., P.A. Dotray, and C. Trostle. 2012. Castor (*Ricinus communis* L.) tolerance and weed control with postemergence herbicides. *International Journal of Agronomy*. Hindawi Publishing Corporation - Online. Volume 2012, Article ID 832749. doi:10.1155/2012/832749. 5 pages. <http://www.hindawi.com/journals/ija/aip/832749/>
56. Dotray, P.A., W.J. Grichar, T.A. Baughman, E. Prostko, T. Grey, and L.V. Gilbert. 2012. Peanut (*Arachis hypogaea* L.) response to lactofen at various postemergence timings. *Peanut Science* 39:9-14. (doi: 10.3146/PS10-7.1)
57. Grichar, W.J. and P.A. Dotray. 2012. Peanut cultivar response to S-metolachlor and paraquat alone and in combination. *Peanut Science* 39:15-21. (doi: 10.3146/PS11-7.1)
58. Fromme, D.D., P.A. Dotray, W.J. Grichar, and C.J. Fernandez. 2012. Weed control and grain sorghum (*Sorghum bicolor*) tolerance to pyrasulfotole plus bromoxynil. *International Journal of Agronomy*. Hindawi Publishing Corporation - Online. Volume 2012, Article ID 951454. doi:10.1155/2012/951454. 10 pages. <http://www.hindawi.com/journals/ija/2012/951454/>

59. Keeling, J.W., B.A. Brown, J.D. Reed, and P.A. Dotray. 2013. Grain sorghum response to saflufenacil applied preemergence. *Crop Protection* 46:1-6.
<http://dx.doi.org/10.1016/j.cropro.2012.11.007>.
60. Grichar, W.J., P.A. Dotray, and M.R. Baring. 2013. Peanut cultivar response to flumioxazin applied preemergence and imazapic applied postemergence. *International Journal of Agronomy*. Hindawi Publishing Corporation - Online. Volume 2013, Article ID 371847. doi:10.1155/2013/371847. 5 pages.
<http://www.hindawi.com/journals/ija/2013/371847/>
61. Fromme, D.D., W.J. Grichar, P.A. Dotray, and C.J. Fernandez. 2013. Grain sorghum (*Sorghum bicolor*) tolerance and weed control with pyrasulfotole plus bromoxynil combinations. *Crop Management*. DOI 10.1094/CM-2013-0010.RS. 9 pages.
62. Grichar, W.J. and P.A. Dotray. 2013. Smellmelon control and peanut response to flumioxazin and paraquat alone and in combination. *Peanut Science* 40:135-141.
63. Prostko, E.P., T.M. Webster, M.W. Marshall, R.G. Leon, T.L. Grey, J.A. Ferrell, P.A. Dotray, D.L. Jordan, W.J. Grichar, and B.J. Brecke. 2013. Glufosinate application timing and rate affect peanut yield response. *Peanut Science* 40:115-119.
64. Grichar, W.J., P.A. Dotray, and D. R. Langham. 2014. Sesame tolerance to herbicides applied postemergence-directed. *American Journal of Experimental Agriculture* 4:162-170.
65. Reed, J.D., J.W. Keeling, and P.A. Dotray. 2014. Palmer amaranth (*Amaranthus palmeri*) management in GlyTol Plus LibertyLink Cotton. *Weed Technology* 28:592-600.
66. Grichar, W.J. and P.A. Dotray. 2015. Influence of spray tip and spray volume on the efficacy of imazapic and imazethapyr on selected weed species. *American Journal of Experimental Agriculture* 8:75-86.
67. Grichar, W.J., P.A. Dotray, and L.M. Etheredge. 2015. Weed control and peanut (*Arachis hypogaea* L.) cultivar response to encapsulated acetochlor. *Peanut Science* 42:100-108.
68. Grichar, W.J., P.A. Dotray, and C.L. Trostle. 2015. Castor (*Ricinus communis* L.) tolerance and weed control with preemergence herbicides. *Industrial Crops and Products* 76:710-716. <http://dx.doi.org/10.1016/j.indcrop.2015.05.087>
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522. Foster, D.C., P.A. Dotray, and L. Steckel. 2022. When the Auxins get tough, the Palmer gets going. Proceedings of the Beltwide Cotton Conferences. p. 58.
523. Kezar, S.E., D.C. Foster, S. Ramsey, F. Oreja, K. Russell, M. Houston, D. Hathcoat, R. Leon Gonzalez, J.K. Norsworthy, P.A. Dotray, G. Morgan, and M.V. Bagavathiannan. 2022. Evaluating an integrated approach to Palmer amaranth management in southern US cotton. Proceedings of the Beltwide Cotton Conferences. p. 306.
524. Russell, K., P.A. Dotray, and B. Kelly. 2022. Cotton fiber quality response to low rates of 2,4-D. Proceedings of the Beltwide Cotton Conferences.
525. Smith, M.E., P.A. Dotray, and A. Hixson. 2022. Crop response and control of Palmer amaranth in HPPD-tolerant cotton systems. Proceedings of the Beltwide Cotton Conferences. p. 398.
526. Dudak, J., Z.R. Treadway, T.A. Baughman, T. Barber, C. Cahoon, J.S. Calhoun, A.S. Culpepper, P.A. Dotray, M.W. Marshall, R.L. Noland, S. Nolte, A.C. Hixson, L. Steckel, D.O. Stephenson, and M.E. Smith. 2022. Integrating Alite 27 with various residual cotton herbicides. Proceedings of the Beltwide Cotton Conferences. p. 133.
527. Patton, B., P.A. Dotray, J.W. Keeling, and G. Morgan. 2022. Palmer amaranth control utilizing finger weeder technology. Proceedings of the Beltwide Cotton Conferences. p. 429.
528. White, C.C.R., J.W. Keeling, P.A. Dotray, J.M. Bell, and K. Heflin. 2022. Palmer amaranth management with PRE herbicides alone or in combination with dicamba. Proceedings of the Beltwide Cotton Conferences. p. 215.
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531. Treadway, Z.R., J.L. Dudak, T.A. Baughman, P.A. Dotray, and W.J. Grichar. 2022. Peanut response to paraquat in the southwest growing region. Proceedings of the Southern Weed Science Society 75:50.
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533. White, C.R., W. Keeling, P.A. Dotray, J.M. Bell, and K. Heflin. 2022. Palmer amaranth

- control with PRE herbicides alone or in combination with dicamba. Proceedings of the Southern Weed Science Society 75:74.
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535. Russell, K.R., P.A. Dotray, and B.R. Kelly. 2022. Influence of low rates of 2,4-D on cotton fiber quality. Proceedings of the Southern Weed Science Society 75:163.
536. Kezar, S.E., M.V. Bagavathiannan, P.A. Dotray, J.K. Norsworthy, R.G. Leon, G. Morgan, F.H. Oreja, D.C. Foster, M.M. Houston, D. Hathcoat, and K.R. Russell. 2022. A beltwide study evaluating an integrated approach to Palmer amaranth management in southern US cotton. Proceedings of the Southern Weed Science Society 75:236.
537. Abbott, C., E.P. Prostko, T.A. Baughman, P.A. Dotray, W.J. Grichar, M.W. Marshall, D.L. Jordan, P. Devkota, and S. Li. 2022. Multi-state trial evaluating peanut response to glyphosate + dicamba at low-doses and multiple exposures. Abstr. Weed Science Society of America.
538. Foster, D.C., L. Steckel, and P.A. Dotray. 2022. The powerful pigweed: A Tennessee auxin resistance story. Abstr. Weed Science Society of America.
539. Smith, M.E., P.A. Dotray, and A. Hixson. 2022. Crop response and control of *Amaranthus palmeri* in isoxaflutole-based cotton systems. Abstr. Weed Science Society of America.
540. Mills, M., P.A. Dotray, W.J. Grichar, and T.A. Baughman. 2022. Peanut Response to diclosulam in the southwest. Proceedings of the American Peanut Research and Education Society 54:(In Press).
541. Treadway, Z.R., J.L. Dudak, T.A. Baughman, P.A. Dotray, and W.J. Grichar. 2022. The effects of paraquat use on peanut in the southwestern United States. Proceedings of the American Peanut Research and Education Society 54:(In Press).
542. Dudak, J., Z.R. Treadway, T.A. Baughman, G.B. Baldwin, T. Barber, J.A. Bond, C. Cahoon, A.S. Culpepper, P.A. Dotray, A.C. Hixson, J.W. Keeling, S. Li, M.W. Marshall, R.L. Noland, S. Nolte, L.E. Steckel, D.O. Stephenson IV, and M.E. Smith. 2023. Comparison of Alite 27 residual tankmix combinations. Proceedings of the Beltwide Cotton Conferences.
543. Kezar, S.E., K.R. Russell, F. Oreja, S. Ethridge, A. Dodds, D.C. Foster, D. Hathcoat, M.M. Houston, D. Smith, P.A. Dotray, J.K. Norsworthy, R.L. Gonzalez, G. Morgan, and M.V. Bagavathiannan. 2023. Palmer amaranth (*Amaranthus plameri*) management in cotton using an integrated approach: A multi-state study. Proceedings of the Beltwide Cotton Conferences.
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545. Patton, B.A. and P.A. Dotray. 2023. Preemergence control of Palmer amaranth with tank-mix partners that include dicamba. Proceedings of the Beltwide Cotton Conferences.
 546. Russell, K., P.A. Dotray, I.L.B. Pabuayon, and G. Ritchie. 2023. Does 2,4-D influence nutrient partitioning in cotton? Proceedings of the Beltwide Cotton Conferences.
 547. Smith, M.E., P.A. Dotray, and A.C. Hixson. 2023. Axant Flex cotton response and Palmer amaranth control using systems that include Alite 27. Proceedings of the Beltwide Cotton Conferences.
 548. Taylor, H., S. Nolte, P.A. Dotray, and J. McGinty. 2023. Alternative methods of managing off-target movement of dicamba in Texas cotton production systems. Proceedings of the Beltwide Cotton Conferences.
 549. Dudak, J., Z.R. Treadway, T.A. Baughman, G.B. Baldwin, T. Barber, J.A. Bond, C. Cahoon, A.S. Culpepper, P.A. Dotray, W. Keeling, S. Li, M.W. Marshall, R.L. Noland, S. Nolte, L.E. Steckel, D.O. Stephenson IV, and M.E. Smith. 2023. Utility of Alite 27 combinations across the cotton belt. Proceedings of the Southern Weed Science Society.
 550. Smith, M.E., P.A. Dotray, and A.C. Hixson. 2023. Preemergence control of *Amaranthus palmeri* with isoxaflutole combinations. Proceedings of the Southern Weed Science Society.
 551. Taylor, H.R., S.A. Nolte, J.A. McGinty, P.A. Dotray, and Z.S. Howard. 2023. Alternative application methods of dicamba in Texas cotton to reduce off-target movement. Proceedings of the Southern Weed Science Society.
 552. Patton, B.A. and P.A. Dotray. 2023. Control of annual grasses using new sorghum herbicides. Proceedings of the Southern Weed Science Society.
 553. Mills, M., P.A. Dotray, S. Asher, G.B. Baldwin, A.C. Hixson, and B. Rodriguez. 2023. Efficacy of Alite™ when used preplant incorporated or preemergence. Proceedings of the Southern Weed Science Society.
 554. Russell, K.R., P.A. Dotray, I.L.B. Pabuayon, and G.L. Ritchie. 2023. Response of cotton maturity groups to low rates of 2,4-D. Proceedings of the Southern Weed Science Society.
 555. Cahoon, C.W., T. Barber, T.A. Baughman, P. Devkota, P.A. Dotray, W. Everman, J. Heiser, S. Lancaster, S. Li, J. Carvalho de Souza Dias, M.W. Marshall, S.A. Nolte, E.P. Prostkp, D.P. Russell, V. Singh, L. Steckel, C. Webster, and G. Morgan. 2023. Summary of the 1st annual meeting of the southern extension weed science working group. Proceedings of the Southern Weed Science Society.
 556. Steckel, L., P.A. Dotray, and G. Morgan. 2023. Can Palmer amaranth be managed without dicamba or glufosinate? Proceedings of the Southern Weed Science Society.

557. Russell, K.R., P.A. Dotray, and B.R. Kelly. 2023. What are we missing? Undetected changes to fiber quality from low rates of 2,4-D using AFIS. Abstracts of the Weed Science Society of America.
558. Mills, M., P.A. Dotray, G.B. Baldwin, S. Asher, A.C. Hixson, M.E. Smith, B.A. Patton, K.R. Russell, and B. Rodriguez. 2023. Axant™ Flex cotton response and residual weed management using HPPD inhibiting herbicides. Abstracts of the Weed Science Society of America.
559. Patton, B.A. and P.A. Dotray. 2023. Use of new sorghum herbicide technologies to control annual grass weeds. Abstracts of the Weed Science Society of America.
560. Russell, K.R., P.A. Dotray, I.L.B. Pabuayon, and G.L. Ritchie. 2023. Changes in nutrient partitioning following low rates of 2,4-D. Abstracts of the Weed Science Society of America.
561. Smith, M.E., P.A. Dotray, and A.C. Hixson. 2023. Preemergence control of *Amaranthus palmeri* and Axant™ Flex cotton weed management systems using isoxaflutole. Abstracts of the Weed Science Society of America.
562. Taylor, H.R., S.A. Nolte, P.A. Dotray, and J.A. McGinty. 2023. Dicamba applications using drop nozzles to reduce drift in Texas Cotton. Abstracts of the Weed Science Society of America.
563. Mills, M., P.A. Dotray, K.L. Lewis, W.J. Grichar, and T.A. Baughman. 2023. Peanut cultivar response to fluridone in the southwest. Proceedings of the American Peanut Research and Education Society 55:(In Press).
564. Mills, M., P.A. Dotray, S. Asher, A.C. Hixson, G.B. Baldwin, and B. Rodriguez. 2023. Efficacy of isoxaflutole when applied preplant incorporated or preemergence. Texas Plant Protection Association.
565. Mills, M., P.A. Dotray, S. Asher, A. Hixson, and G. Baldwin. 2024, Palmer amaranth control by isoxaflutole applied preplant incorporated and preemergence. Proceedings of the Beltwide Cotton Conferences. Page 590.
566. Smith, M., P.A. Dotray, and A. Hixson. 2024. Palmer amaranth control using Alite™ 27 applied preemergence. Proceedings of the Beltwide Cotton Conferences. Page 591.
567. Chu, S., J. Jackson, N. Sater, L. Schwartz-Lazaro, G. Morgan, M. Walsh, B. McKnight, R. Hardin, G. Holt, P. Dotray, and M. Bagavathiannan. 2024. Exploring the feasibility of harvest weed seed control in cotton. Proceedings of the Beltwide Cotton Conferences.
568. Singletary, M.M., P.A. Dotray, L. Steckel, and G. Morgan. 2024, A systems approach for controlling dicamba resistant Palmer amaranth (*Amaranthus palmeri*). Proceedings of the Southern Weed Science Society 77:243.
569. Hamberg, R.C., P.A. Dotray, and M.V. Bagavathiannan. 2024. Investigations on the use of electrocution for controlling weed escapes in organic peanut. Proceedings of the

Southern Weed Science Society 77:260.

570. Singletary, M.M., P.A. Dotray, G.B. Baldwin, S. Asher, A.C. Hixson, and B.A. Rodriguez. 2024. Axant™ Flex cotton response to topramezone. Proceedings of the Southern Weed Science Society 77:229.
571. Smith, M., P.A. Dotray, and A.C. Hixson. 2024. *Amaranthus palmeri* control and Axant Flex™ cotton response following isoxaflutole. Proceedings of the Southern Weed Science Society 77:153.
572. Grichar, W.J., M.M. Singletary, T.A. Bauhman, and P.A. Dotray. 2024. Peanut cultivar response to fluridone. Proceedings of the American Peanut Research and Education Society 56:147.

Invited Seminars/Presentations (Career Total of 943):

1. Dotray, P.A. 1988. National Jointed Goatgrass Workshop. Washington State University. Pullman, WA. Invited speaker.
2. Dotray, P.A. 1989. Southern Experiment Station Crops and Soils Field Day. University of Minnesota. Invited speaker.
3. Dotray, P.A. 1990. Introductory weed science course. Guest lecturer (two weeks). University of Minnesota, Department of Agronomy and Plant Genetics, St. Paul, MN.
4. Dotray, P.A. 1991. Introductory agronomy course. Guest lecturer (one week). University of Minnesota, Department of Agronomy and Plant Genetics, St. Paul, MN.
5. Dotray, P.A. 1992. Introductory weed science course. Guest lecturer (three weeks). University of Minnesota, Department of Agronomy and Plant Genetics, St. Paul, MN.
6. Dotray, P.A. 1993. Weed seedling identification. Texas High Plains Cotton Seminar. Lubbock, TX. Apr. 15.
7. Dotray, P.A. 1993. Herbicide injury and common weeds. High Plains Scout Training Workshop. Plainview, TX. Jun. 1.
8. Dotray, P.A. 1993. Latest weed control developments in cotton. Turn-Row Meeting. Castro County. Jun. 29.
9. Dotray, P.A. 1993. Cotton and corn weed management strategies. Corn and cotton field day. Olton, TX. Jul. 21.
10. Dotray, P.A. 1993. Weed identification and control. Cotton and corn pest management seminar. Farwell, TX. Jul. 22.
11. Dotray, P.A. 1993. Weed management strategies in cotton. Turn-Row Meeting. Dawson County, TX. Jul. 27.
12. Dotray, P.A. 1993. Weed control in cotton. Turn-Row Meeting. Lynn County, TX. Jul.

- 28 -- (AM).
13. Dotray, P.A. 1993. Weed control in cotton. Turn-Row Meeting. Lynn County, TX. Jul. 28 -- (PM).
 14. Dotray, P.A. 1993. Herbicide immunity of range and cropland weeds. Garza County Agriculture Day. Post, TX. Sep. 2.
 15. Dotray, P.A. 1993. New herbicides in corn, weed resistance, and annual broadleaf weed control in cotton. Field Day. Halfway, TX. Sep. 14.
 16. Dotray, P.A. and B. Lipe. 1993. Perennial weeds, increasing threat. Post-Harvest Wrap-Up Growers Meeting. Texas Wine and Grape Growers Association. Caprock Winery. Lubbock, TX. Sep. 16.
 17. Dotray, P.A. 1993. Perennial weed control in the fall. Turn-Row Meeting. Cochran County. Morton, TX. Sep. 17.
 18. Dotray, P.A. 1993. Herbicide resistance in weeds. Cochran County Farm Fair. Oct. 7.
 19. Dotray, P.A. 1993. The career of a weed scientist. Reese Elementary Third Annual Career Day. Wolfforth, TX. Oct. 8.
 20. Dotray, P.A. 1993. Weed identification. Farmer-Stockman Show. Lubbock, TX. Oct. 12-14.
 21. Dotray, P.A. 1993. The career of a weed scientist. Preston-Smith Elementary. Lubbock, TX. Oct. 28.
 22. Dotray, P.A. 1993. Right-of-way opportunity for Parmer, Castro, Deaf Smith, and Lamb counties. Dimmitt, TX. Nov. 23.
 23. Dotray, P.A. 1993. Weed resistance. Agriculture Producers Year-end Continuing Education Units meeting. Floydada, TX. Dec. 4.
 24. Dotray, P.A. 1994. Caprock Cotton Conference. Annual Weed Control. Crosbyton, TX. Jan. 25.
 25. Dotray, P. A., J. W. Keeling, C. G. Henniger, and J. R. Abernathy. 1994. -Control of broadleaf weeds in cotton with DPX-PE350. Weed Science Society of America. St. Louis, MO. Feb. 8.
 26. Dotray, P.A. 1994. Weed control in grape production. Texas Wine and Grape Growers Association. Lubbock, TX. Feb. 25.
 27. Dotray, P.A. 1994. Weed resistance and strategies for management. West Texas Agricultural Consultant Meeting. Lubbock, TX. Mar. 4.
 28. Dotray, P.A. 1994. Weed control in a water conserving landscape. Water Conservation

- through Xeriscaping. Lubbock, TX. Mar. 5.
29. Dotray, P.A. 1994. Lawn and garden weed control. Garza County Lawn, Garden, and Ornamental Seminar. Post, TX. Mar. 14.
 30. Dotray, P.A. 1994. Chemical and nonchemical control of weeds in lawns and gardens. Master Gardeners Seminar Series. Lubbock, TX. Mar. 24.
 31. Dotray, P.A. 1994. Cotton weed control, herbicides, and chemigation. Cochran and Hockley Counties. Irrigation/Chemigation Conference. Whiteface, TX. Mar. 28.
 32. Dotray, P.A. 1994. Weeds, herbicides, and herbicide mode of action. Western Texas College Short Course. Snyder, TX. Apr. 14.
 33. Dotray, P.A. 1994. Description of weed science project. Texas Tech University Dean's Advisory Committee. Lubbock, TX. Apr. 28.
 34. Dotray, P.A. 1994. Herbicide recommendations and weed identification. Lubbock Horticulture Information/Clinic Day. Lubbock, TX. May 21.
 35. Dotray, P.A. 1994. Weed identification and herbicide injury symptomology. High Plains Scout Training Workshop. Plainview, TX. Jun. 2.
 36. Dotray, P.A. 1994. Control of black nightshade in cotton. Castro/Lamb Counties Cotton Turn-Row Update Meeting. Hart, TX. Jun. 28.
 37. Dotray, P.A. 1994. Midseason weed control options in cotton. Bailey/Cochran Counties Cotton Turn-Row Update Meeting. Enochs, TX. Jun. 30.
 38. Dotray, P.A. 1994. Mid- and late-season weed management options in cotton. Hockley County Turn-Row Meeting. Levelland, TX. Jul. 26.
 39. Dotray, P.A. 1994. Control of prairie sunflower and common cocklebur in dryland cotton. Cochran County Turn-Row Meeting. Morton, TX. Aug. 11.
 40. Dotray, P.A. 1994. Control of lanceleaf with preemergence herbicides and herbicides applied post-directed. Crosby County Turn-Row Meeting. Crosbyton, TX. Aug. 16.
 41. Dotray, P.A. 1994. Old and new weed control approaches. 42nd Annual Agricultural Chemicals Conference. Lubbock, TX. Sep. 15.
 42. Dotray, P.A. 1994. Weed identification and equipment displays. Agricultural Appreciation Seminar. Lubbock, TX. Sep. 16.
 43. Dotray, P.A. 1994. Weed identification. Texas Pest Control Association--Texas Tech Workshop. Lubbock, TX. Sep. 20.
 44. Dotray, P.A. 1994. Perennial weed control. Local Elections--Ropesville Community Center. Ropesville, TX. Oct. 6.

45. Dotray, P.A. 1994. Weed identification and flame cultivation. Farmer-Stockman Show. Lubbock, TX. Oct. 11-13.
46. Dotray, P.A. 1994. Weed control in turfgrass. Integrated Pest Management Specialists Training. Lubbock, TX. Nov. 21.
47. Dotray, P.A. 1994. Peanut tolerance to Cadre. Cadre Experimental Use Permit Workshop. New Orleans, LA. Nov. 30-Dec. 2.
48. Dotray, P.A. 1994. Weed research update in cotton. Program for High Plains cotton update review. Lubbock, TX. Dec. 12.
49. Dotray, P.A. 1995. Herbicide-resistant weeds and their management. American Cyanamid Workshop: Dealing with herbicide-resistant weeds. Dimmitt, TX. Feb. 17.
50. Dotray, P.A. 1995. Importance of biology and ecology in weed management. Ciba Crop Protection Consultants meeting. Lubbock, TX. Mar. 3-4.
51. Dotray, P.A. 1995. Effect of surfactants on nutsedge control with Cadre. Texas Peanut Producers Board. College Station, TX. Mar. 7.
52. Dotray, P.A. 1995. Principles of Weed Science--Short course. Integrated Pest Management--PSS 4305. Guest lecturer (two weeks). Department of Plant and Soil Science, Texas Tech University. Lubbock, TX. Mar. 20-24.
53. Dotray, P.A. 1995. Integrated weed management systems on the Texas Southern High Plains. Lubbock County Ag Producers Conference. Lubbock, TX. Mar. 30.
54. Dotray, P.A. 1995. Development of herbicide resistant weeds. Annual High Plains Association of Crop Consultants. Lubbock, TX. Mar. 31-Apr. 1.
55. Dotray, P.A. 1995. Weed identification and control by chemical and nonchemical means in lawns and gardens. Master Gardeners Seminar Series. Lubbock, TX. Apr. 6.
56. Dotray, P.A. 1995. Preemergence weed control in cotton and sorghum. Borden County Producer Training. Draw, TX. Apr. 11 -- (AM).
57. Dotray, P.A. 1995. Weed biology, ecology, and control. Western Texas College Short Course. Snyder, TX. Apr. 11 -- (PM).
58. Dotray, P.A. 1995. Site weed management. Lubbock County Stored Grain Workshop. Lubbock, TX. Apr. 28.
59. Dotray, P.A. 1995. Herbicide injury symptoms and modes of action. Texas Department of Agriculture Inspector Training. Lubbock, TX. May 16.
60. Dotray, P.A. 1995. Weed identification, herbicide recommendations, and problem solving. Lubbock County Horticulture Information. Lubbock, TX. May 20.

61. Dotray, P.A. 1995. Herbicide injury and common weeds. High Plains Scout Training Workshop. Plainview, TX. Jun. 1.
62. Dotray, P.A. 1995. Weed identification. American Cyanamid Workshop. Lubbock, TX. Jun. 15.
63. Dotray, P.A. 1995. Herbicide symptomology practicum. Texas Department of Agriculture Inspector Training. Lubbock, TX. Jul. 7.
64. Dotray, P.A. 1995. Weed control. Castro County Cotton Turn-Row Update. Sunnyside, TX. Jul. 11.
65. Dotray, P.A. 1995. Perennial weed control. Cotton Clinic. Hermleigh, TX. Jul. 12.
66. Dotray, P.A. 1995. Herbicide symptomology practicum. American Cyanamid Workshop. Lubbock, TX. Jul. 14.
67. Dotray, P.A. 1995. Herbicide injury symptoms in crops. American Cyanamid. Lubbock, TX. Aug. 17.
68. Dotray, P.A. 1995. Weed identification and crop/weed response to herbicides. American Cyanamid. Lubbock, TX. Aug. 18.
69. Dotray, P.A. and J. W. Keeling. 1995. Current weed problems and control. 43rd West Texas Agricultural Chemical Conference. Lubbock, TX. Sep. 12-14.
70. Dotray, P.A. 1995. Herbicide tolerant cottons. Cotton Biotechnology and New Variety Field Day. Lubbock, TX. Sep. 26.
71. Dotray, P.A. 1995. Fall weed control in a defoliant/desiccant system. Hockley County Turn-Row Meeting. Levelland, TX. Oct. 5.
72. Dotray, P.A. and C. L. Jones. 1995. Weed identification and cotton response to herbicides. Farmer Stockman Show. Lubbock, TX. Oct. 10-12.
73. Dotray, P.A. 1995. Herbicide mode/mechanism of action. West Texas Turfgrass Conference. Snyder, TX. Oct. 12.
74. Dotray, P.A. 1995. Predicting weed seed germination and emergence to maximize control in cotton with Staple. Texas State Support Projects. Dallas, TX. Dec. 5-6.
75. Dotray, P.A. and J. R. Mahan. 1995. Efficacy of pyriithiobac in Palmer amaranth (*Amaranthus palmeri*) as affected by thermal stress. Institute for Research in Plant Stress. Lubbock, TX. Dec. 12.
76. Dotray, P.A. 1996. Weed control in cotton. 49th Annual Soil Fertility Program. Plainview, TX. Jan. 3.

77. Dotray, P.A. 1996. New developments in cotton weed control. Abernathy Producers Co-op. Abernathy, TX. Jan. 4 -- (AM).
78. Dotray, P.A. 1996. Mode of action of herbicides. Pre-plant Crop Management Workshop. Dimmitt, TX. Jan. 4 -- (PM).
79. Dotray, P.A. 1996. Weed control approaches for the South Plains. Hub of the Plains Cotton Conference. Lubbock, TX. Jan. 25.
80. Dotray, P.A. 1996. Herbicide injury and its symptomology. Texas Association of Agricultural Consultants. Austin, TX. Jan. 29.
81. Dotray, P.A. 1996. New weed managements for cotton on the High Plains. Tri-State Chemical CAA Dealer Meeting. Plainview, TX. Feb. 2.
82. Dotray, P.A. 1996. Weed control in 1996. Olin Moore Producer Program. Lubbock, TX. Feb. 10.
83. Dotray, P.A. 1996. Weed control recommendations. Extension Agent-Pest Management Training. Lubbock, TX. Feb. 16.
84. Dotray, P.A. 1996. Weed control in cotton. Sandy Land Cotton Conference. Seminole, TX. Feb. 20.
85. Dotray, P.A. 1996. Herbicide symptomology and weed identification. Texas South Plains Agricultural Consultant Meeting. Lubbock, TX. Feb. 23.
86. Dotray, P.A. 1996. Mechanical, chemical and flame control of weeds. Texas Wine and Grape Growers Association. Lubbock, TX. Mar. 9.
87. Dotray, P.A. 1996. Weeds, herbicide modes of action, and weed control recommendations. Master Gardeners Seminar Series. Lubbock, TX. Mar. 28.
88. Dotray, P.A. 1996. Preemergence weed control for cotton and haygrazer. Borden County. Fluvanna, TX. Apr. 9 -- (AM).
89. Dotray, P.A. 1996. New technology in cotton and haygrazer. Borden County. Draw, TX. Apr. 9 -- (PM).
90. Dotray, P.A. 1996. Herbicide modes of action and their environmental impact. Texas International Cotton School. Lubbock, TX. Apr. 12.
91. Dotray, P.A. 1996. Principles of weed control in container plants. Nursery Materials Usage for the Home--PSS 3314. Guest lecturer. Department of Plant and Soil Science, Texas Tech University. Lubbock, TX. Apr. 17.
92. Dotray, P.A. 1996. New technologies in cotton weed control and weed control recommendations. Western Texas College Short Course. Snyder, TX. Apr. 18.

93. Dotray, P.A. 1996. Plants. Preston-Smith Elementary. Lubbock, TX. Apr. 26.
94. Dotray, P.A. 1996. Weed identification, herbicide recommendations, and problem solving. Lubbock County Horticulture Information. Lubbock, TX. May 11.
95. Dotray, P.A. 1996. Site weed management. Lubbock County Stored Grain Workshop. Lubbock, TX. May 17.
96. Dotray, P.A. 1996. Herbicide injury and common weeds. High Plains Scout Training Workshop. Plainview, TX. Jun. 4.
97. Dotray, P.A. 1996. Herbicide symptomology in West Texas crops practicum. American Cyanamid Workshop. Plainview, TX. Jun. 19.
98. Dotray, P. A., P. Morrison, and T. Wheeler. 1996. Integrated pest management: Principles and practices. National Certified Crop Advisor (CCA) Exam Preparation. Lubbock, TX. Jun. 26.
99. Dotray, P.A. 1996. New cotton herbicides. Castro County Cotton Turn-Row Update. Hart, TX. Jul. 9.
100. Dotray, P. A., K. Hake, and J. W. Keeling. 1996. Herbicide symptomology demonstration, weed tour, and update of cotton situation. County Agent Training. Lubbock, TX. Aug. 1.
101. Dotray, P.A. 1996. Herbicide mode of action. West Texas Agricultural Chemicals Institute. Lubbock, TX. Sep. 11.
102. Dotray, P.A. 1996. Weed identification. Farmer Stockman Show. Lubbock, TX. Oct. 8-10.
103. Senter, J. and P. Dotray. 1996. Fall weed control of perennial weeds. Garza County Farm Tour. Post, TX. Oct. 11.
104. Dotray, P.A. 1996. Environmental impact of herbicides. Texas International Cotton School. Lubbock, TX. Oct. 18.
105. Dotray, P.A. 1996. Weed management strategies on the Texas High Plains. Texas Agricultural Experiment Station Seminar. Lubbock, TX. Nov. 1.
106. Dotray, P.A. 1996. Research update and top-ten reference lists for weed identification and herbicide symptomology. Texas Agricultural Extension Service Integrated Pest Management Training. Lubbock, TX. Dec. 2.
107. Dotray, P. A., J. R. Mahan, and G. G. Light. 1996. Efficacy of pyriithiobac in Palmer amaranth (*Amaranthus palmeri*) as affected by thermal stress. Institute for Research in Plant Stress. Lubbock, TX. Dec. 10.
108. Dotray, P.A. 1996. Herbicide injury. Wilbur-Ellis Applicator Trainer Workshop.

- Farwell, TX. Dec. 19.
109. Dotray, P.A. 1997. Cotton and corn herbicide programs. Llano Estacado Cotton Conference. Olton, TX. Jan. 14.
 110. Dotray, P.A. 1997. Basis for herbicide tolerance. Caprock Cotton Conference. Floydada, TX. Jan. 15.
 111. Dotray, P.A. 1997. Weed control in cotton. West Plains Cotton Conference. Levelland, TX. Jan. 16.
 112. Dotray, P.A. 1997. New chemistries for cotton weed control and minimum and no-till weed control options. Cotton and Grain Sorghum Conference. Wellington, TX. Jan. 17.
 113. Dotray, P.A. 1997. Weed control strategies for 1997. Ag Supply LTD. Earth, TX. Feb. 3.
 114. Dotray, P.A. 1997. Weed control in field crops. Sandy Land Ag Conference. Seminole, TX. Feb. 18.
 115. Dotray, P.A. 1997. Weed control results from 1996 field trials. Wilbur-Ellis Workshop. Levelland, TX. Feb. 21.
 116. Dotray, P.A. and J. W. Keeling. 1997. Cotton weed control with new and existing products. Novartis Crop Protection Annual Crop Protection Information Meeting. Lubbock, TX. Feb. 28.
 117. Dotray, P.A. 1997. Integrated weed management. Integrated Pest Management--PSS 4305. Guest lecturer. Department of Plant and Soil Science, Texas Tech University. Lubbock, TX. Apr. 1.
 118. Dotray, P.A. 1997. 1996 performance of herbicide resistant crops. High Plains Association Crop Consultants. Lubbock, TX. Apr. 2.
 119. Dotray, P.A. 1997. Integrated weed management. Integrated Pest Management--PSS 4305. Guest lecturer. Department of Plant and Soil Science, Texas Tech University. Lubbock, TX. Apr. 3.
 120. Dotray, P.A. 1997. Weed control. Integrated Pest Management Conference. Wellman, TX. Apr. 3.
 121. Dotray, P.A. 1997. Preemergence weed control. Borden County Spring Meeting. O'Donnell, TX. Apr. 21.
 122. Dotray, P.A. 1997. Weeds, principle of weed control, and weed control recommendations. Master Gardener's Seminar Series. Lubbock, TX. May 1.
 123. Dotray, P.A. 1997. Non-cropland weed management. Lubbock County Stored Grain Workshop. Lubbock, TX. May 16.

124. Dotray, P.A. 1997. Herbicide injury. High Plains Scout Training Workshop. Plainview, TX. Jun. 3.
125. Dotray, P.A. and J. W. Keeling. 1997. Benefits and safety of plant protection chemicals. High School Science Teachers Workshop. Lubbock, TX. Jun. 6.
126. Dotray, P.A. and J. W. Keeling. 1997. Herbicide symptomology and weed control. Novartis Workshop. Lubbock, TX. Jul. 1.
127. Dotray, P.A. 1997. Herbicide symptomology. Pioneer Workshop. Lubbock, TX. Jul. 2.
128. Dotray, P.A. 1997. Herbicide symptomology training. Monsanto/Paymaster Training. Lubbock, TX. Jul. 17.
129. Dotray, P.A. 1997. Weed control in peanuts. Dawson County Field Day. Lamesa, TX. Jul. 23.
130. Dotray, P. A., J. W. Keeling, and T. S. Osborne. 1997. Cotton pre- and postplant herbicide applications for weed control. Llano Estacado Crops Tour. Flagg, TX. Aug. 1.
131. Dotray, P.A. 1997. Summary of 1997 peanut weed control studies. The Peanut Production Workshop. Brownfield, TX. Aug. 20.
132. Dotray, P.A. 1997. Weed control in Roundup Ready cotton and with Staple herbicide. Cochran County Weed Field Day. Morton, TX. Aug. 21.
133. Dotray, P.A. 1997. Weed control in cotton. West Texas Agricultural Chemicals Institute Conference. Lubbock, TX. Sep. 24.
134. Dotray, P.A. 1997. Weed control on golf courses. West Texas Turfgrass Training Seminar. Lubbock, TX. Oct. 8.
135. Dotray, P.A. 1997. Environmental impacts of herbicides. Texas International Cotton School. Lubbock, TX. Oct. 17.
136. Dotray, P.A. 1997. Engineering herbicide--Resistant plants. Agricultural Biotechnology--PSS 4415/5414. Guest lecturer. Department of Plant and Soil Science, Texas Tech University. Lubbock, TX. Oct. 23.
137. Dotray, P.A. 1997. Plants. Frenship Intermediate. Wolfforth, TX. Oct. 29.
138. Dotray, P.A. 1997. Weed control in lawns and gardens. Principles of Horticulture--PSS 1411. Guest lecturer. Department of Plant and Soil Science, Texas Tech University. Lubbock, TX. Dec. 3.
139. Dotray, P.A. 1997. Plant diagnostics. Agricultural Plant Pathology-- PSS 4425/5425. Guest lecturer. Department of Plant and Soil Science, Texas Tech University. Lubbock, TX. Dec. 4.

140. Dotray, P.A. 1997. Weed control. Tri-State Chemicals, Inc. Plainview, TX. Dec. 10.
141. Dotray, P.A. 1997. Peanut herbicides. Yoakum County Conservation Seminar. Plains, TX. Dec. 16.
142. Dotray, P.A. 1998. Present and new weed control considerations in cotton and peanuts. Southern Mesa Agricultural Conference. Lamesa, TX. Jan. 19.
143. Dotray, P.A. 1998. Weed control. Caprock Cotton Conference. Floydada, TX. Jan. 20.
144. Dotray, P.A. 1998. Weed control in cotton. West Plains Cotton Conference. Levelland, TX. Jan. 22.
145. Dotray, P.A. 1998. Peanut production 101. Peanut Production Workshop. Whiteface, TX. Feb. 4.
146. Dotray, P.A. 1998. Weed control in vegetable production. Lubbock County Extension Service Meeting. Lubbock TX. Feb. 19.
147. Dotray, P.A. and J. W. Keeling. 1998. Total weed control in cotton and peanut. Texas South Plains Agriculture Consultant Meeting. Lubbock, TX. Feb. 20.
148. Dotray, P.A. 1998. Weed science. Sandy Land Ag Conference. Seminole, TX. Feb. 24.
149. Dotray, P. A., R. L. Lemon, and T. Lee. 1998. Peanut. Peanut Production Workshop. Lorenzo, TX. Feb. 25.
150. Dotray, P.A. 1998. Peanut weed control. DeLeon Peanut Company. Brownfield, TX. Mar. 11.
151. Dotray, P.A. 1998. Peanut weed control. DeLeon Peanut Company. Lamesa, TX. Mar. 11.
152. Dotray, P.A. 1998. Peanut weed control. DeLeon Peanut Company. Seminole, TX. Mar. 12.
153. Dotray, P.A. 1998. Weed control in forage and pasture crops. Forage/Pasture Crops--PSS 3321. Guest lecturer. Department of Plant and Soil Science, Texas Tech University. Lubbock, TX. Mar. 23.
154. Dotray, P.A. 1998. Herbicide injury on West Texas crops and other look-alike symptoms. High Plains Association of Crop Consultants. Lubbock, TX. Apr. 1.
155. Dotray, P.A. 1998. Pre- and postemergence weed control in cotton. Weed Control Clinic. Fluvanna, TX. Apr. 6.
156. Dotray, P.A. 1998. Weed control options in 1998. Pre-emergence weed control clinic at Ledbetter Pecan Headquarters in the Plains community. Draw, TX. Apr. 6.

157. Dotray, P.A. 1998. Is there science in agriculture? Frenship High School. Wolfforth, TX. Apr. 16.
158. Dotray, P.A. 1998. Weeds, principles of weed control, and weed control recommendations. Master Gardener's Seminars Series. Lubbock, TX. Apr. 30.
159. Dotray, P.A. 1998. Weed control in lawns and gardens. Master Gardener's. Lubbock, TX. Jun. 2.
160. Dotray, P.A. and J. W. Keeling. 1998. Product profiles, herbicide symptomology, weed identification, and herbicide situations. Novartis--Pioneer. Lubbock, TX. Jun. 25.
161. Dotray, P.A. and J. W. Keeling. 1998. Herbicide injury sprayer calibration, weed identification, and goof-plots. Monsanto. Lubbock, TX. Jul. 1.
162. Dotray, P.A. and J. W. Keeling. 1998. Herbicide symptomology, product profiles, and weed identification. Rhone-Poulenc. Lubbock, TX. Jul. 2.
163. Dotray, P.A. 1998. Peanut weed control. Dawson County Peanut Tour. Lamesa, TX. Jul. 20.
164. Dotray, P.A. 1998. New herbicides in peanut production. Terry County/Dow AgriScience Peanut Tour. Brownfield, TX. Jul. 21.
165. Dotray, P.A. 1998. Weed control in corn and cotton. Castro County Turn-Row Meeting. Olton, TX. Jul. 22.
166. Dotray, P.A. 1998. Peanut weed control. Terry County Crops Tour. Brownfield, TX. Aug. 5.
167. Dotray, P.A. 1998. Weed control for conservation tillage Roundup Ready cotton. Center of Excellence Field Day at Ag-Cares. Lamesa, TX. Aug. 6.
168. Dotray, P.A. 1998. Weed control in Roundup Ready and non-Roundup Ready cottons. Llano Estacado Crops Tour. Olton, TX. Aug. 14.
169. Patterson, J. L. and P.A. Dotray. 1998. Weed identification and herbicide symptomology. Castro County Harvest Days. Olton, TX. Sep. 12.
170. Dotray, P.A. 1998. Fall weed control programs. Lynn County Ag. Tour. Wilson, TX. Sep. 16.
171. Dotray, P.A. 1998. Peanut herbicides. 43rd Annual Terry County Farm Tour. Brownfield, TX. Sep. 17.
172. Dotray, P.A. 1998. Fall weed control options. Garza County Demonstration Tour. Graham, TX. Oct. 9.
173. Dotray, P.A. 1998. New herbicides and new weeds. Tri-State Chemicals, Inc.

- Plainview, TX. Dec. 2.
174. Dotray, P.A. 1998. Herbicide review and update. Texas Association of agricultural consultants. Lubbock, TX. Dec. 16.
 175. Dotray, P.A. 1999. Weed considerations in cotton and peanut for 1999. Southern Mesa Agricultural Conference. Lamesa, TX. Jan. 18.
 176. Dotray, P.A. 1999. Cotton weed control update. Llano Estacado Cotton Conference. Olton, TX. Jan. 19.
 177. Dotray, P.A. 1999. Weed control. Caprock Cotton Conference. Floydada, TX. Jan. 19.
 178. Dotray, P.A. and J. W. Keeling. 1999. Weed control with the BXN cotton system. Rhone-Poulenc Agro 1999 Cotton Conference. San Antonio, TX. Feb. 16.
 179. Dotray, P.A. and J. W. Keeling. 1999. Summary of Strongarm in 1998. Dow AgriSciences Peanut Exchange. San Antonio, TX. Feb. 16.
 180. Keeling, J. W. and P.A. Dotray. 1999. The value of residual herbicides in transgenic cotton. Texas South Plains Ag Consultant Meeting. Lubbock, TX. Mar. 1.
 181. Baumann, P.A. and P.A. Dotray. 1999. Weed control 101. County Extension Agent Training. San Angelo, TX. Mar. 30.
 182. Dotray, P.A. 1999. Herbicide carryover during dry years. Concho Valley Cotton Conference. San Angelo, TX. Mar. 30.
 183. Dotray, P.A. 1999. Weed control highlights in peanut. Peanut Production Meeting. Lorenzo, TX. Mar. 31.
 184. Dotray, P.A. 1999. Weed control in cotton and sorghum. Rolling Plains Agricultural Conference. Dunn, TX. Apr. 1.
 185. Dotray, P.A. 1999. Weed management in peanuts. District 2 Agent Training. Lubbock, TX. Apr. 20.
 186. Dotray, P.A. 1999. Weed identification and management. Permian Basin Master Gardener Training. Odessa, TX. Apr. 28.
 187. Dotray, P.A. 1999. Weeds and weed control. South Plains Master Gardener Program. Lubbock, TX. May 4.
 188. Dotray, P.A. 1999. Identification and control of weeds. Lubbock County Stored Grain Workshop. Lubbock, TX. May 14.
 189. Dotray, P.A. 1999. Weed identification and recognition of herbicide injury. High Plains Crop Pests Scouting Workshop. Plainview, TX. Jun. 1.

190. Dotray, P.A. 1999. Postemergence-directed and layby options in cotton. Tri-State Chemicals Conference. Cotton Center, TX. Jun. 8.
191. Dotray, P.A. 1999. Postemergence-directed and layby treatments in Roundup Ready and non-Roundup Ready cotton. Edcot Gin and Tri-State Conference. Edmonson, TX. Jun. 17.
192. Dotray, P.A. 1999. Weed control update in transgenic and non-transgenic cotton varieties. Garza County Demo. Post, TX. Jun. 30.
193. Dotray, P. A., G. G. Light, L. Lyons, J. Everitt, and S. Osborne. 1999. Herbicide symptomology. Texas Department of Agriculture. Lubbock, TX. Aug. 18.
194. Dotray, P.A. 1999. Weed issues. Texas Ag Industries Association. Lubbock, TX. Sep. 14.
195. Dotray, P.A. 1999. Fall and spring weed control strategies in cotton. Garza County Crop Tour. Post, TX. Oct. 8.
196. Dotray, P.A. 1999. Use of molecular biology to protect crops from weeds. Advancement of Science Conference. Lubbock, TX. Oct. 29.
197. Dotray, P.A. 1999. Weed identification. Applicator Trainer Workshop. Farwell, TX. Dec. 14.
198. Dotray, P.A. 2000. How to best manage spray drift. North West Texas Cotton Conference. Memphis, TX. Jan. 11.
199. Dotray, P.A. 2000. Weed control in cotton. Halfway Farm Chemical CEU meeting. Plainview, TX. Jan. 14.
200. Dotray, P.A. 2000. Weed control systems for cotton and peanuts. Southern Mesa Agricultural Conference. Lamesa, TX. Jan. 17.
201. Dotray, P.A. 2000. Weeds, herbicides, and technology. Caprock Cotton Conference. Floydada, TX. Jan. 18.
202. Dotray, P.A. 2000. Weeds, herbicides, drift, and new technology. Llano Estacado Cotton Conference. Olton, TX. Jan. 18.
203. Dotray, P.A. 2000. Weed control systems in cotton. West Plains Cotton Conference. Whiteface, TX. Jan. 19.
204. Dotray, P.A. 2000. Transgenics-Roundup Ready and Liberty-Link-Corn and Cotton. New Mexico Crop Production Association. Ruidoso, NM. Jan. 28.
205. Dotray, P.A. 2000. New technology in weed control. Sandy Land Ag Conference. Seminole, TX. Feb 22.
206. Dotray, P.A. 2000. New herbicide technology update. Fifty-third Annual Soil Fertility

- and Ag Conference. Plainview, TX. Feb. 24.
207. Dotray, P.A. 2000. Lawn and garden herbicides: weed management. South Plains Plant Society. Lubbock, TX. Feb. 24.
 208. Dotray, P.A. 2000. Weed control in peanut. South Plains Consultants/Novartis Product Information Meeting. Lubbock, TX. Mar. 6.
 209. Dotray, P.A. 2000. Pre-emerge Weed Control Clinic. Multi-county Weed Control Clinic. Fluvanna, TX. Mar. 20.
 210. Dotray, P.A. 2000. Weed control recommendations. Forage Production Seminar and Tour. Lubbock and Surrounding Counties CEU Meeting. Lubbock, TX. Mar. 23.
 211. Dotray, P.A. 2000. Weed control. Lower Rolling Plains Agricultural Conference. Roscoe, TX. Apr. 4.
 212. Dotray, P.A. 2000. Lawn and garden weed control. Scurry County Master Gardener Program. Snyder, TX. Apr. 4.
 213. Dotray, P.A. 2000. Weed identification and control. Permian Basin Master Gardener Program. Odessa, TX. Apr. 12.
 214. Dotray, P.A. 2000. Weed identification and control. Howard County Master Gardener Program. Big Spring, TX. Apr. 12.
 215. Dotray, P.A. 2000. Weed control update in peanut. Peanut CEU Meeting. Lorenzo, TX. Apr. 20.
 216. Dotray, P.A. 2000. Weeds and weed control. South Plains Master Gardener Program. Lubbock, TX. May 4.
 217. Dotray, P.A. 2000. Weed identification and recognition of herbicide injury. High Plains Crop Pests Scouting Workshop. Plainview, TX. Jun. 2.
 218. Dotray, P.A. 2000. The use of 2,4-DB in West Texas peanut. 2,4-DB Application and Use Management Workshop. Seminole, TX. Jun. 6.
 219. Dotray, P.A. 2000. The use of 2,4-DB in West Texas peanut. 2,4-DB Application and Use Management Workshop. Brownfield, TX. Jun. 7.
 220. Dotray, P.A. 2000. Liberty and Buctril weed control systems and herbicide symptomology. Aventis. Lubbock, TX. Jun. 28.
 221. Dotray, P.A. 2000. Herbicide drift issues and herbicide symptomology. Texas Department of Agriculture. Lubbock, TX. Jun. 29.
 222. Dotray, P.A. 2000. Cotton Precision Agricultural Principles and Equipment for weed control. District 2 Precision Agricultural Training. Ropesville, TX. Aug 1.

223. Dotray, P.A. 2000. Weed Issues. Texas Agricultural Industries Association Regional Meeting. Lubbock, TX. Aug. 29.
224. Dotray, P.A. 2000. Weed control in transgenic cotton. Lubbock County Field Tour. Lubbock and New Deal, TX. Aug. 31.
225. Dotray, P.A. 2000. Weed control update in peanut. Dawson County Farm Tour and Agriculture Appreciation Day. Lamesa, TX. Sep. 12.
226. Dotray, P.A. 2000. Tolerance and weed control in Liberty-tolerant cotton. Aventis FiberMax Field Day. Lubbock, TX. Sep. 14.
227. Dotray, P.A. 2000. Weed control in conservation tillage cotton. Ag Supply Ltd. Earth, TX. Sep. 15.
228. Dotray, P.A. 2000. Roundup Ready varieties and weed control. Floyd County Ag Tour. Muncy, TX. Sep. 19.
229. Dotray, P.A. 2000. Integration of herbicides for Texas weed control. Chemical Application Workshop sponsored by Wilbur-Ellis. Littlefield, TX. Dec. 5.
230. Dotray, P.A. 2000. Economic benefit of light-activated weed sprayer in Texas cotton production. Texas State Support Projects. Lubbock, TX. Dec. 7
231. Dotray, P.A. 2000. Pesticides B Modes of Action. Multi-County Right-of-Way CEU Training for State, County, and City Employees. Dimmitt, TX. Dec. 12.
232. Dotray, P.A. 2000. Impact of Strongarm rate and soil pH on peanut tolerance. Strongarm Usage in Southwestern Peanuts. Atlanta, GA. Dec. 14.
233. Dotray, P.A. 2000. Weed control in West Texas crops. Wilbur-Ellis Applicator Training. Friona, TX. Dec. 18.
234. Dotray, P.A. 2001. Weed control systems for cotton and peanut. Southern Mesa Agricultural Conference. Lamesa, TX. Jan. 15.
235. Dotray, P.A. 2001. Weed control strategies. West Plains Ag Conference. Levelland, TX. Jan. 17.
236. Dotray, P.A. 2001. Problem weed management in cotton. Llano Estacado Cotton Conference West. Muleshoe, TX. Jan. 25.
237. Dotray, P.A. 2001. Managing weeds while managing costs. Hale County Cotton and Soil Fertility Conference. Plainview, TX. Jan. 26.
238. Dotray, P.A. 2001. What's working in West Texas? New Mexico Crop Production Association. Ruidoso, NM. Jan. 30.

239. Dotray, P.A. 2001. Cotton weed management update. Last Minute C.E.U. Meeting. Lubbock, TX. Feb. 8.
240. Dotray, P.A. 2001. Cotton weed control strategies. Southwest Panhandle Cotton Conference. Hereford, TX. Feb. 9.
241. Dotray, P.A. 2001. Weed control in cotton and peanut. Sandy Land Ag Conference. Seminole, TX. Feb. 20.
242. Dotray, P.A. 2001. All you need to know about weed control down on the farm. Weed Control Workshop sponsored by the Texas Agricultural Extension Service-Dawson County. Lamesa, TX. Mar. 20.
243. Dotray, P.A. 2001. Herbicide-tolerant crops: Past, present, and future CPSS 1411. Guest lecturer. Department of Plant and Soil Science, Texas Tech University. Lubbock, TX. Mar. 27.
244. Dotray, P.A. 2001. Weed control in sorghum and sunflowers. Alternative Crop Production Conference. Muleshoe, TX. Mar. 28.
245. Dotray, P.A. 2001. Weed identification and control. Amarillo Landscape Plant Health Conference. Amarillo, TX. Mar. 29.
246. Dotray, P.A. 2001. Weed identification and control. Lubbock Landscape Plant Health Conference. Lubbock, TX. Mar. 30.
247. Dotray, P.A. 2001. Weed control in cotton and grain sorghum. Lower Rolling Plains Agricultural Conference. Hermleigh, TX. Apr. 3.
248. Dotray, P.A. 2001. Pre-emerge weed control. Pre-emerge Weed Control, Forage Selection, and Entomology Update. Fluvanna, TX. Apr. 10.
249. Dotray, P.A. 2001. Performance of a light-activated weed sprayer on the Texas Southern High Plains. Precision Ag Research Reporting Session. Halfway, TX. Apr. 11.
250. Dotray, P.A. 2001. Weed control. First United Bank, Chamber of Commerce, Field Butane and Fertilizer. Littlefield, TX. Apr. 12. Dotray, P.A. 2001. Peanut weed control update. Peanut production meeting for Lubbock/Crosby/Floyd counties. Lorenzo, TX. Apr. 19.
251. Dotray, P.A. 2001. Weeds, herbicides, and weed control recommendations in lawns and gardens. South Plains Master Gardeners Program. Lubbock, TX. May 3.
252. Dotray, P.A. 2001. Peanut weed control update. King Consulting. Idalou, TX. Jun. 26.
253. Dotray, P. A., A. Peters, and T. Murphree. 2001. The use of a light-activated sprayer in cotton and peanut. Texas Farm Bureau Tour. New Deal, TX. Jul. 12.

254. Dotray, P.A. and B. Burns. 2001. Liberty-tolerant cotton tour. Aventis Crop Sciences. Lubbock, TX. Jul. 24.
255. Dotray, P.A. 2001. Weed research in peanut. Dawson County Peanut Tour. Lamesa, TX. Jul. 25.
256. Dotray, P.A. 2001. Weed control update in peanut. Lubbock-Crosby-Floyd County Peanut Tour. Idalou, TX. Jul. 25.
257. Dotray, P.A. 2001. Feasibility of using a light-activated weed sprayer. Lubbock County Ag Tour. Lubbock, TX. Aug. 30.
258. Dotray, P.A. 2001. Weed Science: What's up. Texas Ag Industries Association. Lubbock, TX. Sep. 18.
259. Dotray, P.A. 2001. Weed workshop. West Texas Agricultural Chemicals Institute. Lubbock, TX. Sep. 19.
260. Dotray, P.A. and B. Porter. 2001. Weed control research update. Western Peanut Growers Research Farm Tour. Denver City, TX. Sep. 21.
261. Dotray, P.A. 2001. Precision weed control with hooded sprayers. Texas Gulf Coast Cotton Conference. Corpus Christi, TX. Nov. 8.
262. Dotray, P.A. 2001. Weed ID and control and chemical handling and mixing. CEU meeting for Floyd and Crosby Counties. Crosbyton, TX. Dec. 6.
263. Dotray, P.A. 2001. Weed control in cotton. Swisher County Ag Day. Tulia, TX. Dec. 11.
264. Dotray, P.A. 2001. Economic benefit of a light-activated weed sprayer in Texas cotton production. Texas State Support Projects. Lubbock, TX. Dec. 12.
265. Dotray, P.A. 2001. Herbicide mode of action and perennial/noxious weed control. UAP Southwest Dealer Meeting. Plainview, TX. Dec. 14.
266. Dotray, P.A. 2001. Chemical uses and weed control. Olton Grain Coop Agronomy and Marketing Winter Meeting. Olton, TX. Dec. 14.
267. Dotray, P.A. 2002. Weed management in conventional cotton. Clay's Corner Wilbur-Ellis Co. Applicator Workshop. Lazbuddie, TX. Jan. 15
268. Dotray, P.A. 2002. What's new in weed control? Are we promoting herbicide resistance? West Plains AG Conference. Levelland, TX. Jan. 16.
269. Dotray, P.A. 2002. Agricultural weed control for Dawson County. Southern Mesa Agricultural Conference. Lamesa, TX. Jan. 21.
270. Dotray, P.A. 2002. Cotton and peanut weed control update. North West Texas Ag

- Conference. Memphis, TX. Jan. 22.
271. Dotray, P.A. 2002. Weed control. Caprock Cotton Conference. Floydada, TX. Jan. 22.
 272. Dotray, P.A. 2002. Weed management in cotton. Llano Estacado Cotton Conference West. Muleshoe, TX. Jan. 24.
 273. Dotray, P.A. 2002. Weed control and herbicide flexibility in alternative crops. Alternative Crops for Texas High Plains (Crops other than Cotton). Crosbyton, TX. Feb. 7.
 274. Dotray, P.A. 2002. Managing weeds in cotton and removing drift. Hale County Cotton and Soil Fertility Conference. Plainview, TX. Feb. 18.
 275. Dotray, P.A. 2002. Weed management in cotton. Last Minute Pesticide Applications Continuing Education Meeting. Lubbock, TX. Feb. 19.
 276. Dotray, P.A. 2002. Agricultural weed control. Sandyland Agricultural Conference. Seminole, TX. Feb. 19.
 277. Dotray, P.A. 2002. Weed control in specialty crops. Risk Management and Specialty Crops Meeting. Brownfield, TX. Mar. 20.
 278. Dotray, P.A. 2002. Weed control in dryland cotton. Lower Rolling Plains Agricultural Conference. Roscoe, TX. Apr. 2.
 279. Dotray, P.A. 2002. Weed identification and control. Permian Basin Master Gardener Program. Odessa, TX. Apr. 10.
 280. Dotray, P.A. 2002. Weed identification and control. Howard County Master Gardener Program. Big Spring, TX. Apr. 10. Dotray, P.A. 2002. What's new in peanut weed control. Peanut Production Meeting for Lubbock/Crosby Counties. Lorenzo, TX. Apr. 18.
 281. Dotray, P.A. 2002. Weeds, herbicides, and weed control recommendations in lawns and gardens. South Plains Master Gardeners Program. Lubbock, TX. May 2.
 282. Dotray, P.A. 2002. Site management/weed control plan. Lubbock County Stored Grain Workshop. Lubbock, TX. May 10.
 283. Dotray, P.A. 2002. Weed control research. Western Peanut Growers Research Farm Field Tour. Denver City, TX. Sep. 18.
 284. Dotray, P.A. 2002. How to obtain a Private Applicator's License. Guest lecturer. RFWLM 4302. Department of Range, Fisheries, and Wildlife Management. Texas Tech University. Lubbock, TX. Sep. 27.
 285. Dotray, P.A. 2002. Weed identification. Snyder FFA Agronomy Team. Lubbock, TX. Oct. 9.
 286. Dotray, P.A. 2002. Graduate Programs in Weed Science. Guest lecturer. PSS 4100.

- Department of Plant and Soil Science. Lubbock, TX. Oct. 22.
287. Dotray, P.A. 2002. Weed ID and control in non-croplands and croplands. CEU Meeting for Crosby County. Crosbyton, TX. Dec. 10.
 288. Dotray, P.A. 2002. Weed management. Last minute CEU meeting for Lamb County. Littlefield, TX. Dec. 17.
 289. Dotray, P.A. 2002. Economic benefit of a light-activated weed sprayer in Texas cotton production. Texas State Support Projects. Lubbock, TX. Dec. 18.
 290. Dotray, P.A. 2003. Weed control in cotton. West Plains Ag. Conference. Morton, TX. Jan. 14.
 291. Dotray, P.A. 2003. Agricultural weed control for Southern High Plains. Southern Mesa Agricultural Conference. Lamesa, TX. Jan. 20.
 292. Dotray, P.A. 2003. Problem weed management in cotton. Llano Estacado Cotton Conference. Muleshoe, TX. Jan. 21.
 293. Dotray, P.A. 2003. Cotton weed control for minimum drift application. Caprock Cotton Conference. Floydada, TX. Jan. 22.
 294. Dotray, P.A. 2003. Managing weeds in Roundup and non-Roundup Ready cotton varieties. Hale/Swisher Counties Cotton Conference and Soil Fertility Day. Plainview, TX. Jan. 23.
 295. Dotray, P.A. 2003. Agricultural Weed Control. Sandyland Agricultural Conference. Seminole, TX. Feb. 5.
 296. Dotray, P.A. and J.W. Keeling. 2003. Roundup Flex versus Liberty Link - What's the Real Story? Texas Pest Management Association Annual Meeting. Lubbock, TX. Feb. 18.
 297. Dotray, P.A. 2003. Weeds, weed control, and herbicide mode and mechanism of action. PSS 4301/5307 Ag Compounds/Pesticides - Guest lecturer. Department of Plant and Soil Science. Texas Tech University. Lubbock, TX. Feb. 19 and 21.
 298. Dotray, P.A. 2003. Weed Control. Southwest Crops Production Conference and Expo. Lubbock, TX. Feb. 25.
 299. Dotray, P.A. 2003. Testing of herbicide-tolerant crops under USDA Compliance. PSS 4415 Ag. Biotechnology - Guest lecturer. Dept. Plant and Soil Science. Texas Tech University. Lubbock, TX. Feb. 27.
 300. Dotray, P.A. 2003. Liberty Link weed control systems. High Plains Associations of Crop Consultants. Lubbock, TX. Mar. 4.
 301. Dotray, P.A. 2003. Weeds, herbicides, and control strategies for lawn and garden weed

- control. South Plains Master Gardeners Program. Lubbock, TX. Mar. 4.
302. Dotray, P.A. 2003. Weed control in High Plains and Rolling Plains peanut production. Texas Peanut Producers Board. Lubbock, TX. Mar. 20.
 303. Dotray, P.A. 2003. Alternative crop weed control. Alternative Crops and Weed Control Seminar for Garza and Lynn Counties. Graham, TX. Mar. 24.
 304. Dotray, P.A., L.L. Lyon, J.W. Keeling, and R. Boman. 2003. Weed science principles and practices. Weed Management Short Course. Lubbock, TX. Mar. 26.
 305. Dotray, P.A. 2003. Weed control for specialty crops. Multi-County Specialty Crops Meeting for Gaines, Terry, and Yoakum Counties. Brownfield, TX. Mar. 27.
 306. Dotray, P.A. 2003. Weed control in dryland cotton. Lower Rolling Plains Agricultural Conference. Dunn, TX. Apr. 2.
 307. Dotray, P.A. 2003. Weed control in peanuts. Peanut Production Meeting. Lorenzo, TX. Apr. 8.
 308. Dotray, P.A. 2003. Pre-emerge weed control. Multi-County Pre-Emerge Weed Control Clinic. Fluvanna, TX. Apr. 9.
 309. Dotray, P.A. 2003. Weed management practices and weed identification. In-Season Cotton Management Series for Lubbock, Crosby, and Surrounding Counties. Texas Cooperative Extension. Jun 17.
 310. Dotray, P.A. 2003. Peanut weed control update. Dawson County Peanut Tour. Lamesa, TX. Jul 22.
 311. Dotray, P.A. 2003. Peanut weed control update. Lubbock/Crosby County Peanut Tour. Lorenzo, TX. Jul 22.
 312. Dotray, P.A. and M. McCormick. 2003. Weed control systems in Liberty-tolerant cotton. Bayer CropSciences. Lubbock, TX. Jul 23.
 313. Dotray, P.A. and B. Bean. 2003. Weeds. West Texas Agricultural Chemicals Institute. Lubbock, TX. Sep. 16.
 314. Dotray, P.A. 2003. Weed control options for the future. Lynn County Ag Tour. Wilson, TX. Sep. 17.
 315. Dotray, P.A. 2003. Weed control research. Western Peanut Growers Research Farm Field Tour. Denver City, TX. Sep. 17.
 316. Dotray, P.A. 2003. Herbicide use in a crop rotation system. Texas Agricultural Industries Association. Lubbock, TX. Sep. 17.
 317. Dotray, P.A. 2003. Weed Management: Where have we been and where are we going?

- PSS 5100. Graduate Seminar. Department of Plant and Soil Science. Texas Tech University. Lubbock, TX. Sep. 22.
318. Dotray, P.A. 2003. Update on Liberty tolerant cotton weed control systems. Bayer CropSciences Field Tour. Lubbock, TX. Sep. 25.
 319. Dotray, P.A. 2003. Tolerance of Spanish Peanut to Soil Applied Cotton Herbicides after Crop Failure and Control of Volunteer Spanish Peanut in Cotton. National Peanut Board. Lubbock, TX. Sep. 30.
 320. Dotray, P.A. 2003. Weeds, herbicides, and control strategies for lawn and garden weed control. El Paso County Master Gardener Program. El Paso, TX. Oct. 29.
 321. Dotray, P.A. 2003. High Plains Agriculture. Agronomy 101. Introduction to Agronomy - Guest Lecturer. Dept. Soil and Crop Science. Texas A&M University. Lubbock, TX. Nov. 13. (via TTUNET).Dotray, P.A. 2003. Liberty tolerant cotton: Field evaluations and comparison to Roundup tolerant and conventional weed control systems. Texas State Support Committee Projects. College Station, TX. Dec. 11.
 322. Dotray, P.A. 2003. Weed management. Lamb County Crop Management Workshop. Littlefield, TX. Dec. 17.
 323. Dotray, P.A. 2003. An update on Liberty tolerant cotton systems. Bayer CropScience/Kellison Fertilizer. Lockney, TX. Dec. 17.
 324. Dotray, P.A. 2004. Application recommendations and performance of Ignite in LibertyLink cotton systems. Bayer CropScience Media Breakfast. San Antonio, TX. Jan 7.
 325. Dotray, P.A. 2004. Weed ID: You got to know them to control them. Texas Department of Agriculture Right-of-Way Applicator Training. Amarillo, TX. Jan 13.
 326. Dotray, P.A. 2004. Weed control systems. West Plains Cotton Conference. Levelland, TX. Jan 20.
 327. Dotray, P.A. 2004. Tolerance and performance of Ignite in LibertyLink cotton systems. Bayer CropScience Cotton Technology Conference. South Padre Island, TX. Feb. 11.
 328. Dotray, P.A. 2004. Weed control in peanuts and an update on Liberty-tolerant cotton. Southwest Crops Production Conference and Expo. Lubbock, TX. Feb. 19.
 329. Dotray, P.A. 2004. Weed control. Producer continuing education unit (CEU) meeting. Lubbock, TX. Feb. 20.
 330. Dotray, P.A. 2004. Liberty vs. Roundup vs. Conventional weed management systems. High Plains Association of Crop Consultants. Lubbock, TX. Feb. 26.
 331. Dotray, P.A. 2004. Weeds, herbicides, and control strategies for lawn and garden weed control. South Plains Master Gardeners Program. Lubbock, TX. Feb. 26.

332. Dotray, P.A. 2004. What's new in peanut weed control. Peanuts: A National Perspective. Lubbock, TX. Mar. 23.
333. Dotray, P.A. 2004. An update on weed control in cotton. Texas Cooperative Extension meeting Swisher County. Tulia, TX. Mar. 24.
334. Dotray, P.A. 2004. Weed control in peanut. Texas South Plains Peanut Production Workshop. Brownfield, TX. Mar. 26. Dotray, P.A. 2004. Weed control in dryland cotton. Lower Rolling Plains Agricultural Conference. Roscoe, TX. Mar. 31.
335. Dotray, P.A. 2004. Weed control update. Peanut Production Meeting. Lorenzo, TX. Apr. 6.
336. Dotray, P.A. 2004. Weed control in the High and Rolling Plains and in South Texas Peanut Production. Texas Peanut Producers Board. Grapevine, TX. Apr. 7.
337. Dotray, P.A. 2004. Weed management systems in cotton. Cotton Management Series in Lubbock and Crosby Counties. Lubbock, TX. Apr. 8.
338. Dotray, P.A. 2004. Weed management systems in cotton. Cotton Management Series in Hale, Swisher, and Floyd Counties. Plainview, TX. Apr. 8.
339. Dotray, P.A. 2004. Weed Seeker sprayer technology. Precision Agriculture - GPS Technology meeting. Texas Cooperative Extension. Lubbock, TX. Apr. 15.
340. Dotray, P.A. 2004. Season-long weed control in cotton on the Texas High Plains. DuPont Consultants Meeting. Lubbock, TX. Apr. 17.
341. Dotray, P.A. 2004. Weed identification and control. Permian Basin Master Gardener Program. Odessa, TX. Apr. 21.
342. Dotray, P.A. 2004. Weed identification and control. Howard County Master Gardener Program. Big Spring, TX. Apr. 21.
343. Dotray, P.A. 2004. Herbicides and Transgenic crops. PSS 4301/5307 Ag Compounds/Pesticides - Guest lecturer. Department of Plant and Soil Science. Texas Tech University. Lubbock, TX. Apr. 26 and 30.
344. Dotray, P.A. 2004. Weed management for non-cropland areas. Lubbock County Stored Grain Pest Workshop. Lubbock, TX. May 7.
345. Dotray, P.A. 2004. Weed management. Integrated Crop/Forage/Livestock Systems Research Field Tour. Texas Tech University. New Deal, TX. Jun. 18.
346. Dotray, P.A. and J.W. Keeling. 2004. Product update. DuPont Field Tour. Lubbock, TX. Jun. 24.
347. Dotray, P.A., J.W. Keeling, and K.M. McCormick. 2004. Ignite update. Bayer

- CropScience Field Tour. Lubbock, TX. Jul. 21.
348. Dotray, P.A. 2004. Peanut weed control update. Gaines County Peanut Tour. Gaines County, TX. Jul. 22. Dotray, P.A. 2004. Peanut and cotton weed control update. Dawson County Ag Tour. Dawson County, TX. Jul. 22.
 349. Dotray, P.A. 2004. Weed control in alfalfa. Hockley/Lubbock Alfalfa Workshop. Levelland, TX. Aug. 11.
 350. Dotray, P.A. 2004. Weed control update. West Texas Agricultural Chemicals Institute. Lubbock, TX. Sep. 7.
 351. Dotray, P.A. 2004. Weed problems in 2004. Texas Agricultural Industries Association. Lubbock, TX. Sep. 8.
 352. Dotray, P.A. 2004. Weed research. Western Peanut Growers Research Farm Field Tour. Denver City, TX. Sep. 15.
 353. Dotray, P.A. 2004. Description of weed science project. Texas Tech University Plant and Soil Science Advisory Committee. Lubbock, TX. Sep. 22.
 354. Dotray, P.A. 2004. Weed control. Mitchell County Farm Tour. Colorado City, TX. Sep. 29.
 355. Dotray, P.A. 2004. How to obtain a Private Applicator's License. Guest lecturer. RFWLM 4302. Department of Range, Fisheries, and Wildlife Management. Texas Tech University. Lubbock, TX. Oct. 8.
 356. Dotray, P.A. 2004. Herbicide-tolerant crops. PSS 4415 Ag. Biotechnology - Guest lecturer. Dept. Plant and Soil Science. Texas Tech University. Lubbock, TX. Oct. 12.
 357. Dotray, P.A. 2004. Tolerance of Spanish peanut to soil applied cotton herbicides after crop failure and control of volunteer Spanish peanut in cotton. National Peanut Board. Lubbock, TX. Oct. 25.
 358. Dotray, P.A. 2004. Peanut tolerance to AIM and ET. National Peanut Board. Lubbock, TX. Oct 25.
 359. Dotray, P.A. 2004. Cotton Weed Control. Glyphosate Stewardship Forum. St. Louis, MO. Nov 17.
 360. Dotray, P.A. 2004. Weed control update. UAP Southwest Dealer Meeting. Plainview, TX. Dec. 9.
 361. Dotray, P.A. 2004. Weed control in cotton. Swisher County Ag Day. Tulia, TX. Dec. 14.
 362. Dotray, P.A. 2004. Liberty tolerant cotton: Field evaluations and comparison to Roundup tolerant and conventional weed control systems. Texas State Support Committee Projects. Lubbock, TX. Dec. 14.

363. Dotray, P.A. 2004. Weed ID and control in right-of-ways. CEU Meeting for Crosby County. Crosbyton, TX. Dec. 16.
364. Dotray, P.A. 2005. Principles of weed control and drift management. Pesticide Applicator Training. El Paso, TX. Jan 12.
365. Dotray, P.A. 2005. Weed control systems. West Plains Cotton Conference. Levelland, TX. Jan 13.
366. Dotray, P.A. 2005. Herbicide update for cotton. Western Rolling Plains Chemical Conference. Spur, TX. Jan 18.
367. Dotray, P.A. 2005. Weed management strategies in cotton. Llano Estacado Cotton Conference. Muleshoe, TX. Jan 28.
368. Dotray, P.A. 2005. Weed management. Southwest Farm and Ranch Classic. Lubbock, TX. Feb 4.
369. Dotray, P.A. 2005. Cotton weed management systems with Ignite. Bayer CropScience Cotton Technology Conference. San Antonio, TX. Feb. 9.
370. Dotray, P.A. 2005. Weed control. Sandyland Agricultural Conference. Seminole, TX. Feb. 10.
371. Dotray, P.A. 2005. Weed management. Alternative Crops Conference. Lorenzo, TX. Feb. 11.
372. Dotray, P.A. 2005. Weed ID and control. South Plains Master Gardeners Program. Lubbock, TX. Feb. 15.
373. Dotray, P.A. 2005. Comparison of weed management systems in cotton. High Plains Association of Crop Consultants. Lubbock, TX. Mar.1.
374. Dotray, P.A. 2005. Weed control in peanut. Texas South Plains Southwest Peanut Production Workshop. Brownfield, TX. Mar. 2.
375. Dotray, P.A. 2005. Weed control in peanut. Texas South Plains Northwest Peanut Production Workshop. Littlefield, TX. Mar. 3.
376. Dotray, P.A. 2005. Weed control in west Texas. Texas Peanut Producers Board. Lubbock, TX. Mar. 9.
377. Dotray, P.A. 2005. Weed control in cotton. Lower Rolling Plains Agricultural Conference. Dunn, TX. Mar. 30.
378. Dotray, P.A. 2005. Weed control strategies in cotton. Cotton Warm-up meeting. Texas Cooperative Extension. Dodd, TX. Mar. 31.
379. Dotray, P.A. 2005. Weed control. Pre-season cotton management meeting. Texas Cooperative Extension. Dawson, TX. Apr. 13.

380. Dotray, P.A. 2005. New technologies in weed control and controlling the five toughest weeds on the South Plains. Multi-County preplant and preemergence weed control meeting. Graham, TX. Apr. 27.
381. Dotray, P.A. 2005. Principles of weed control in lawns and gardens. Howard County Master Gardener Program. Big Spring, TX. Apr. 28.
382. Dotray, P.A. 2005. Weed management strategies. Country Living Symposium. Texas Cooperative Extension. Lubbock, TX. May 21.
383. Dotray, P.A. 2005. Weed identification and recognition of herbicide injury. High Plains Crop Pests Scouting Workshop. Plainview, TX. Jun. 1.
384. Dotray, P.A. 2005. Ignite update. Bayer CropScience Field Tour. Lubbock, TX. Jun. 20.
385. Dotray, P.A. 2005. Peanut weed control update. Terry, Yoakum, Cochran Counties Peanut Tour. Tokio, TX. Jul. 20.
386. Dotray, P.A. 2005. Peanut weed control update. Gaines County Peanut Tour. Gaines County, TX. Jul. 21.
387. Dotray, P.A. 2005. Peanut weed control update. Dawson County Peanut Tour. Dawson County, TX. Jul. 21.
388. Dotray, P.A. 2005. Peanut and cotton weed control update. Gaines County Ag Tour. Seminole, TX. Aug 31.
389. Dotray, P.A. 2005. Principles of weed management. Texas Pest Control Association. Lubbock, TX. Sep 12.
390. Dotray, P.A. 2005. Peanut weed control. Texas County Extension Agent Peanut Training. Lamesa, TX. Sep. 14.
391. Dotray, P.A., T.A. Baughman, B. Bean, and J.W. Keeling. 2005. Weed management strategies. West Texas Agricultural Chemicals Institute. Lubbock, TX. Sep. 21.
392. Dotray, P.A. 2005. Weed control update and Envoke varietal tolerance. Crosby Ag Field Day. Floyddata, TX. Sep. 28.
393. Dotray, P.A. 2005. Peanut tolerance and weed control with Cobra *and* Survey of problem peanut fields following Cadre and Pursuit and influence of carrier volume and spray tip selection on Cadre and Pursuit activity. National Peanut Board. Lubbock, TX. Nov. 7.
394. Dotray, P.A. 2005. Development of transgenic cotton for tolerance to carryover peanut herbicides Cadre and Pursuit. National Peanut Board. Lubbock, TX. Nov 7.
395. Dotray, P.A. 2005. Weeds and Herbicides in West Texas. UAP Southwest Dealer Meeting. Plainview, TX. Dec. 8.

396. Dotray, P.A. and P.A. Baumann. 2005. Weed shifts in the southwest. Cotton Weed Science Workshop. Duff and Bayer Crop Science. Atlanta, GA. Dec. 12.
397. Dotray, P.A. 2005. Liberty tolerant cotton: Field evaluations and comparison to Roundup tolerant and conventional weed control systems. Texas State Support Committee Projects. Lubbock, TX. Dec. 14.
398. Dotray, P.A. 2005. Weed identification and control. Olton Grain Coop. Olton, TX. Dec. 15.
399. Dotray, P.A. 2006. Herbicide Resistance/Weed management. West Plains Cotton Conference. Levelland, TX. Jan 12.
400. Dotray, P.A. 2006. Managing herbicide resistance in cotton. Southern Seed Association. San Antonio, TX. Jan 16.
401. Dotray, P.A. 2006. Innovations in weed control. Caprock Cotton Conference. Floydada, TX. Jan 17.
402. Dotray, P.A. 2006. Weed resistance, and weed management systems with Roundup Ready Flex cotton. Lynn/Garza County meeting. Graham, TX. Feb. 7.
403. Dotray, P.A. 2006. Weed control. South Plains Ag Conference and Trade Show. Brownfield, TX. Feb. 7.
404. Dotray, P.A. 2006. Weed control in cotton and peanut. Sandyland Agricultural Conference. Seminole, TX. Feb. 9.
405. Dotray, P.A. 2006. Using Roundup Ready for Defense. Hale/Swisher Counties Crops Conference. Plainview, TX. Feb. 10.
406. Dotray, P.A. 2006. Weed control, transgenic technologies, and recent research. Deaf Smith Cotton Conference. Hereford, TX. Feb. 20.
407. Dotray, P.A. 2006. Peanut weed control: From start to finish. Clint Williams. Olton, TX. Feb 21.
408. Dotray, P.A. 2006. Weed ID and control. South Plains Master Gardeners Program. Lubbock, TX. Feb. 23.
409. Dotray, P.A. 2006. Weed control in west Texas. Texas Peanut Producers Board. Lubbock, TX. Feb. 27.
410. Dotray, P.A. 2006. Weed control in peanut. Texas South Plains Peanut Production Workshop - Southwest. Seminole, TX. Feb. 28.
411. Dotray, P.A. 2006. Weed control in peanut. Texas South Plains Peanut Production Workshop - Northwest. Levelland, TX. Mar. 1.
412. Dotray, P.A. 2006. Weed management using the Roundup Ready Flex system and

- Roundup resistance management. Cotton Warm-up meeting. Texas Cooperative Extension. Dodd, TX. Mar. 3.
413. Dotray, P.A. 2006. Recropping behind Staple and glyphosate resistance. High Plains Association of Crop Consultants. Lubbock, TX. Mar. 7.
 414. Dotray, P.A. 2006. Weed identification and control. Permian Basin Master Gardener Program. Midland, TX. Mar. 22.
 415. Dotray, P.A. 2006. Weed management, chemigation, and concerns for 2006. Penciling Out Irrigation Costs. Lubbock/Crosby/Floyd/Hale/Swisher Counties. Lubbock, TX. Mar. 30.
 416. Dotray, P.A. 2006. General agronomy, plant ID, and soil properties. FFA Agronomy Contest Workshop. Lubbock, TX. Mar 30.
 417. Dotray, P.A. 2006. Weed management in cotton farming systems. Lower Rolling Plains Agricultural Conference. Inadale, TX. Apr. 4.
 418. Dotray, P.A. 2006. Integrated weed management. Integrated Pest Management--PSS 4305. Guest lecturer. Department of Plant and Soil Science, Texas Tech University. Lubbock, TX. Apr. 6.
 419. Dotray, P.A. 2006. Drift minimization and weed resistance issues. Lubbock County Stored Grain Pest Workshop. Lubbock, TX. May 5.
 420. Dotray, P.A. 2006. Weed identification and recognition of herbicide injury. High Plains Crop Pests Scouting Workshop. Plainview, TX. Jun. 1.
 421. Dotray, P.A. 2006. Weed management overview. Integrated crop/forage/livestock systems research projects. New Deal, TX. Jun 15
 422. Dotray, P.A. 2006. Weed control practices in peanut. Gaines County Peanut Tour. Seminole, TX. Jul 25.
 423. Dotray, P.A. 2006. Weed ID and herbicide injury symptoms on crops. West Texas Agricultural Chemicals Institute. Lubbock, TX. Sep 13.
 424. Dotray, P.A. 2006. Weed control in High Plains cotton. Crosby County Crop Tour. Ralls, TX. Sep 29.
 425. Dotray, P.A. 2006. Peanut Tolerance and Weed Control with Cobra; Cadre and Pursuit: Influence of Carrier Volume and Spray Tip Selection on Herbicide Activity and Survey of Problem Peanut Fields in the High Plains; and Weed Management Systems in Peanut. National Peanut Board. Lubbock, TX. Nov. 8.
 426. Dotray, P.A. 2006. Weeds and Herbicides in West Texas. UAP Southwest Dealer Meeting. Plainview, TX. Dec. 1.
 427. Dotray, P.A. 2007. Cotton weed management. Llano Estacado Cotton Conference.

- Muleshoe, TX. Jan. 26.
428. Dotray, P.A. 2007. Weed management issues in cotton. Caprock Cotton Conference. Floydada, TX. Feb. 27.
 429. Dotray, P.A. 2007. Weed control in peanut. Texas South Plains Peanut Production Workshop - Southwest. Brownfield, TX. Feb. 28.
 430. Dotray, P.A. 2007. Herbicide Resistance/Weed management. West Plains Cotton Conference. Levelland, TX. Mar. 2.
 431. Dotray, P.A. 2007. What's new in cotton weed control? Deaf Smith Cotton Conference. Hereford, TX. Mar. 5.
 432. Dotray, P.A. 2007. Glyphosate resistance and Flex, winter weed identification/burndown. High Plains Association of Crop Consultants. Lubbock, TX. Mar.6.
 433. Dotray, P.A. and D. Palmer. 2007. Turfgrass Science--PSS 4316/5318. Guest lecturer. Department of Plant and Soil Science, Texas Tech University. Lubbock, TX. Apr. 6.
 434. Dotray, P.A. 2007. Cotton and peanut weed control update. Gaines County Turn Row Meeting. Seminole, TX. Jun. 21.
 435. Dotray, P.A. 2007. A hands-on demonstration of herbicide injury in cotton and sorghum. Texas Cooperative Extension County Agent Training. Lubbock, TX. Jul 19.
 436. Dotray, P.A. 2007. Weed resistance: How can it be prevented in our region? West Texas Agricultural Chemicals Institute. Lubbock, TX. Sep 12.
 437. Dotray, P.A. 2007. Weed control in conventional, strip-tillage, and no-tillage cotton production. World Cotton Research Conference-4 Field Tour. Halfway, TX. Sep 14.
 438. Dotray, P.A. 2007. Resistance Issues and weed control technologies. Lynn County Ag Tour. Tahoka, TX. Sep 19.
 439. Dotray, P.A. 2007. Weed control and Roundup Ready Flex technology. Terry County Farm Tour. Brownfield, TX. Sep 20.
 440. Dotray, P.A. 2007. Influence of tillage, pre-watering, and herbicides on control of volunteer Spanish peanut. National Peanut Board. Lubbock, TX. Nov. 7.
 441. Dotray, P.A. 2007. Weed control in strip-tillage systems in the northern cotton producing regions of the Texas Southern High Plains. Texas State Support Committee Projects. Lubbock, TX. Dec. 4.
 442. Dotray, P.A. 2007. Weeds and Herbicides in West Texas. United Agri Products (UAP) Annual Dealer Meeting. Plainview, TX. Dec. 7.
 443. Dotray, P.A. 2007. Cotton weed control and weed resistance management. Olton Grain

- Coop. Olton, TX. Dec. 11.
444. Dotray, P.A. 2007. Weed control in cotton. Swisher County Ag Day. Tulia, TX. Dec. 11.
 445. Dotray, P.A. 2008. Weed control strategies in cotton, top 10 weed control tips, and cotton weed control Q&A. Crop and Forage meeting in D-6. Fort Stockton (via TTVN in Lubbock). Jan. 15.
 446. Dotray, P.A. 2008. Weed management in cotton (split session in the AM). Texas Department of Agriculture Pesticide Applicator Training. El Paso, TX. Jan. 17.
 447. Dotray, P.A. 2008. Weed management in an urban landscape split session in the PM). Texas Department of Agriculture Pesticide Applicator Training. El Paso, TX. Jan. 17.
 448. Dotray, P.A. 2008. Weed management. West Plains Cotton Conference. Levelland, TX. Jan. 21.
 449. Dotray, P.A. 2008. Weed management update in cotton and peanuts. New Mexico Crop Production Association. Ruidoso, NM. Jan. 21.
 450. Dotray, P.A. 2008. Weed control update in cotton. Caprock Cotton Conference. Crosbyton, TX. Jan. 22.
 451. Dotray, P.A. 2008. Weed management in cotton. Llano Estacado Cotton Conference. Muleshoe, TX. Jan. 24.
 452. Dotray, P.A. 2008. Weed control in peanut (a.m.) and weed control questions (p.m.). Texas South Plains Peanut Production Workshop. Texas AgriLife Extension Service. Plains, TX. Feb. 19.
 453. Dotray, P.A. 2008. Morningglory control in cotton. Cotton Production Meeting. Texas AgriLife Extension Service. Lubbock, TX. Feb. 20.
 454. Dotray, P.A. 2008. Weed management (in a Roundup Ready World). Bayer Crop Science / Plant and Soil Science meeting. Lubbock, TX. Feb. 29.
 455. Dotray, P.A. 2008. Resistance Issues in Weed Management: Update of National Status. High Plains Association of Crop Consultants. Lubbock, TX. Mar. 5.
 456. Dotray, P.A. 2008. Weed control in grain sorghum. Bailey/Cochran Multi-Crop Conference. Muleshoe, TX. Mar. 7.
 457. Dotray, P.A. 2008. Weed control update and request. Texas Peanut Producers Board. Lubbock, TX. Mar. 25.
 458. Dotray, P.A. 2008. Weed resistance to herbicides - why and how? (A.M.) and Cotton weed management (P.M.). Lower Rolling Plains Ag Conference. Snyder, TX. Mar. 26.
 459. Dotray, P.A. 2008. Integrated weed management. Integrated Pest Management--PSS 4305/5304. Guest lecturer. Department of Plant and Soil Science,

- Texas Tech University. Lubbock, TX. Apr. 1.
460. Dotray, P.A. 2008. Weed science principles, weed identification, and weed control recommendations. Permian Basin Master Gardener Program. Midland, TX. Apr. 16.
461. Dotray, P.A. 2008. Weed management around stored grain facilities; Resistance Issues in weed management: Update of National Status. Lubbock County Stored Grain Workshop. Lubbock, TX. Apr. 25.
- Dotray, P.A. 2008. Common weed identification and recognition of herbicide injury. High Plains Crop Pest Scouting Workshop. Plainview, TX. May 30. Dotray, P.A. 2008. A hands-on demonstration of herbicide injury in cotton, sorghum, corn, sunflower, castor, sesame, and guar. Texas AgriLife Extension Service Agent Training. Lubbock, TX. Jun 24.
462. Dotray, P.A. 2008. A hands-on demonstration of herbicide injury in cotton, sorghum, corn, sunflower, castor, sesame, and guar. Texas Department of Agriculture. Lubbock, TX. Jun 25.
463. Dotray, P.A. 2008. A hands-on demonstration of herbicide injury in cotton, sorghum, corn, sunflower, castor, sesame, and guar. DuPont. Lubbock, TX. Jun 26.
464. Dotray, P.A. 2008. A hands-on demonstration of herbicide injury in cotton, sorghum, corn, sunflower, castor, sesame, and guar. Monsanto. Lubbock, TX. Jun 26.
465. Dotray, P.A. 2008. A hands-on demonstration of herbicide injury in cotton, sorghum, corn, sunflower, castor, sesame, and guar. Bayer CropScience. Lubbock, TX. Jun 27.
466. Dotray, P.A. 2008. Demonstration on control of volunteer cotton in Roundup Ready cotton (at Lorenzo and Glover) and a hands-on demonstration of herbicide injury in cotton, sorghum, corn, sunflower, castor, sesame, and guar (on station). Cotton Extension Agent Training. Lubbock, TX. Jul 10.
467. Dotray, P.A. 2008. Late season weed management options. Lubbock County Late Season Management Meeting/Field Tour. Texas AgriLife Extension Service. Lubbock, TX. Aug. 27.
468. Dotray, P.A. 2008. Back to yellows. Texas Agricultural Industries Association. Lubbock, TX. Sep. 9.
469. Baughman, T.A., B. Bean, J.W. Keeling, and P.A. Dotray (moderator). 2008. Panel discussion on Crop rotation management. West Texas Agricultural Chemicals Institute. Lubbock, TX. Sep 10.
470. Dotray, P.A. 2008. Control of volunteer Roundup Ready Cotton in Roundup Ready Cotton, and an Update on Herbicide Resistant Weeds. Deltapine Technology Showcase. Lorenzo, TX. Sep 24.
471. Dotray, P., C. McKenney, and J. Woodward. 2008. Freshmen and Transfer Student Seminar--PSS 1100. Guest lecturers. Department of Plant and Soil Science, Texas Tech

- University. Lubbock, TX. Oct. 8.
472. Dotray, P.A. 2008. Weeds and Herbicides in West Texas. United Agri Products (UAP) Annual Dealer Meeting. Plainview, TX. Dec. 11.
 473. Dotray, P.A. 2008. Weed Management. Olton Grain Coop. Olton, TX. Dec. 12.
 474. Dotray, P.A. 2008. Weed control in strip-tillage systems in the northern cotton producing regions of the Texas Southern High Plains. Texas State Support Committee Projects. Lubbock, TX. Dec. 16.
 475. Dotray, P.A. 2009. Herbicide carryover and weed management. West Plains Cotton Conference. Levelland, TX. Jan. 19.
 476. Dotray, P.A. 2009. Utilizing technology and traditional methods of weed control in cotton. Southern Mesa Agricultural Conference. Lamesa, TX. Jan. 20.
 477. Dotray, P.A. 2009. Cotton weed management. Llano Estacado Cotton Conference. Muleshoe, TX. Jan. 21.
 478. Dotray, P.A. 2009. Weed issues in cotton and other crops. Caprock Crop Production Conference. Muncy, TX. Jan. 21.
 479. Dotray, P.A. 2009. Weed control in peanuts. Sandyland Agricultural Conference. Seminole, TX. Jan. 26.
 480. Dotray, P.A. 2009. Weed management decisions for 2009 / Managing morningglory. Southwest Farm & Ranch Classic. Lubbock, TX. Jan. 28.
 481. Dotray, P.A. 2009. Weed management in cotton. Cotton warm-up meeting. Dodd, TX. Feb. 20.
 482. Dotray, P.A. 2009. Weed control in peanut/Weed control Q&A. Texas South Plains Peanut Production Workshop - Northwest. Texas AgriLife Extension Service. Levelland, TX. Feb. 24.
 483. Dotray, P.A. 2009. Weed control in peanut/Weed control Q&A. Texas South Plains Peanut Production Workshop - Southwest. Texas AgriLife Extension Service. Seminole, TX. Feb. 25.
 484. Dotray, P.A. 2009. Weed management in cotton. Lamb County Crops Conference. Littlefield, TX. Feb 27.
 485. Dotray, P.A. 2009. Weed control update and request. Texas Peanut Producers Board. Lubbock, TX. Mar. 2.
 486. Dotray, P.A. 2009. Evolving weed management and control. High Plains Association of Crop Consultants. Lubbock, TX. Mar. 3.

487. Dotray, P.A. 2009. Weed resistance to herbicides - why and how (AM) and Cotton weed management / Volunteer cotton management (PM). Lower Rolling Plains Ag Conference. Snyder, TX. Apr. 1.
488. Dotray, P.A. 2009. Weed control in grain sorghum. Texas *AgriLife* Extension Service Grain Sorghum / Wheat Production Mini-Workshop. Lubbock, TX. Apr. 7.
489. Dotray, P.A. 2009. Herbicide symptomology. Deltapine Technology Showcase - Internal Demonstration. Lorenzo, TX. Jun 22.
490. Dotray, P.A. 2009. A hands-on demonstration of herbicide injury in cotton, sorghum, and corn. Texas *AgriLife* Extension Service Agent Training. Lorenzo, TX. Jun 23.
491. Dotray, P.A. 2009. Weed control update in cotton (and peanut). Weed, insect, and disease control in cotton. Texas *AgriLife* Extension Service. Brownfield, TX. Jul 23.
492. Dotray, P.A. 2009. Weed control research in peanut. Dawson County Crop Tour at AG-CARES. Lamesa, TX. Aug. 12.
493. Dotray, P.A. 2009. Weed control in no-till, strip-till, and conventional till cotton. Texas *AgriLife* Extension Service Agent Training. Halfway, TX. Aug. 27.
494. Dotray, P.A. 2009. Weed control strategies in peanut. USDA-ARS, New Mexico State University, and Texas *AgriLife* Extension Peanut Field Day. Brownfield, TX. Sep. 1.
495. Dotray, P.A. 2009. Weed control strategies in sesame. US Sesame Growers Association. Lorenzo and Lubbock, TX. Sep. 9.
496. Dotray, P.A. 2009. Moderator to two panel discussion on Fertility Management and Insect Management. West Texas Agricultural Chemicals Institute. Lubbock, TX. Sep 16.
497. Dotray, P.A. 2009. Weed control in strip-tillage systems in the northern cotton producing regions of the Texas Southern High Plains. Texas State Support Committee Projects. Lubbock, TX. Dec. 3.
498. Dotray, P.A. 2009. Herbicide resistant weeds: Is there a reason to panic? Crop Pest Management Short Course and Minnesota Crop Production Retailers Trade Show. Minneapolis, MN. Dec. 10.
499. Dotray, P.A. 2009. Weed Identification. Texas Vegetation Management Association. Lubbock, TX. Dec. 14.
500. Dotray, P.A. 2010. Problem weed identification and control. North West Texas Plains Ag Conference. Wellington, TX. Jan. 12.
501. Dotray, P.A. 2010. Weed control options in oilseed crops. Texas High Plains Oilseeds Workshop. Lubbock, TX. Jan. 13.
502. Dotray, P.A. 2010. Herbicide and weed update. West Plains Ag Conference. Levelland,

- TX. Jan. 18.
503. Dotray, P.A. 2010. Yellow: Does color make a difference? Southern Mesa Ag Conference. Lamesa, TX. Jan 19.
 504. Dotray, P.A. 2010. Management of hard-to-control weeds in a Roundup system. Permian Basin Cotton Conference. Stanton, TX. Jan. 19.
 505. Dotray, P.A. 2010. Weed issues in cotton and other crops. Caprock Crop Production Conference. Muncy, TX. Jan. 20.
 506. Dotray, P.A. 2010. Identification and weed management. Llano Estacado Cotton Conference. Muleshoe, TX. Jan. 21.
 507. Dotray, P.A. 2010. Weed control in peanut (and other crops). Sandyland Agricultural Conference. Seminole, TX. Feb. 2.
 508. Dotray, P.A. 2010. Weed control and update on herbicide resistant weeds. Texas High Plains Grain Elevator Workshop. Amarillo, TX. Feb. 4.
 509. Dotray, P.A. 2010. Weed control update in cotton. Deaf Smith County Cotton Conference. Hereford, TX. Feb. 16.
 510. Dotray, P.A. 2010. Ignite update. Bayer CropScience Cotton Technology Conference. San Antonio, TX. Feb. 17.
 511. Dotray, P.A. 2010. Weed management in alternative crops. Bailey/Cochran Multi-Crop Conference. Muleshoe, TX. Mar. 1.
 512. Dotray, P.A. 2010. Weed control in peanut/Weed control Q&A. Texas South Plains Peanut Production Workshop. Texas AgriLife Extension Service. Brownfield, TX. Mar. 1.
 513. Dotray, P.A. 2010. New AI's and technology for successful weed management. High Plains Association of Crop Consultants. Lubbock, TX. Mar. 3.
 514. Dotray, P.A. 2010. Weed management in cotton production. Cotton warm-up meeting. Texas *AgriLife* Extension Service. Dimmitt, TX. Mar. 4.
 515. Dotray, P.A. 2010. Weed control update in cotton and peanut. Weed, insect, and disease control in cotton. Texas *AgriLife* Extension Service. Brownfield, TX. Mar. 5.
 516. Dotray, P.A. 2010. Weed control and rotation herbicides in sunflower. Texas High Plains sunflower production workshop. Texas *AgriLife* Extension Service. Lubbock, TX. Mar. 5.
 517. Dotray, P.A. 2010. Weed resistance update and cotton weed management. Lower Rolling Plains Ag Conference. Snyder, TX. Mar. 31.

518. Dotray, P.A. 2010. Weed control in sorghum. Levelland Hockley County Ethanol/National Sorghum Producers meeting. Levelland, TX. Apr. 8.
519. Dotray, P.A. 2010. Weed science principles, weed identification, and weed control recommendations. Permian Basin Master Gardener Program. Midland, TX. Apr. 14.
520. Dotray, P.A. 2010. Tools to prevent glyphosate resistant weeds and cultural practices to manage weeds. Texas South Plains Weed and Glyphosate Management Workshop - Yoakum County. Plains, TX. Apr. 15.
521. Dotray, P.A. 2010. Weed management strategies at the start of the growing season. Preplant Cotton Production Meeting. New Home, TX. Apr. 22.
529. Dotray, P.A. 2010. Weed management around storage facilities/Q&A. Lubbock County Stored Grain Pest Workshop. Lubbock, TX. Apr. 30.
530. Dotray, P.A. 2010. Weed control update in peanut. Gaines County Peanut Tour. Seminole, TX. Jul. 27.
531. Dotray, P.A. 2010. Performance of glyphosate and glufosinate in GlyTol plus LibertyLink cotton. Bayer CropScience. Lubbock, TX. Aug 5.
532. Dotray, P.A. and J.W. Keeling. Texas AgriLife Research Center and Extension Center personnel and research areas. Texas Tech University Plant and Soil Science New Graduate Student Orientation. Lubbock, TX. Aug. 23.
533. Dotray, P.A. 2010. Weed control strategies in sesame. US Sesame Growers Association. Lorenzo and Lubbock, TX. Aug. 25.
534. Dotray, P.A. 2010. Risk of using glyphosate generics in Roundup Ready Flex cotton. Texas AgriLife Extension Service Agent Training. Halfway, TX. Aug. 25.
535. Dotray, P.A. 2010. Weed control research in peanut. Dawson County Crop Tour at AG-CARES. Lamesa, TX. Sep. 1.
536. Dotray, P.A. 2010. Controlling weeds using IPM to prevent glyphosate resistance. Texas Agricultural Industries Association. Lubbock, TX. Sep. 14.
537. Dotray, P.A., J.W. Keeling, T.A. Baughman, and B. Bean. 2010. Panel discussion: Successful weed management. West Texas Agricultural Chemicals Institute. Lubbock, TX. Sep 15.
538. Dotray, P.A. 2010. Controlling hard-to-control weeds and herbicide drift issues. Lynn County Ag Tour. Wilson, TX. Sep 22.
539. Dotray, P.A. 2010. Weed science research and future opportunities. PSS 1100. Texas AgriLife Research and Extension Center. Lubbock, TX. Oct. 6.
540. Dotray, P.A. 2010. Weed control in strip-tillage systems in the northern cotton producing regions of the Texas Southern High Plains. Texas State Support Committee Projects.

- Lubbock, TX. Dec. 2.
541. Dotray, P.A. 2010. Control of morningglories in conventional, Roundup Ready Flex, and GlyTol Plus LibertyLink cotton cultivars. Texas State Support Committee Projects. Lubbock, TX. Dec. 3.
 542. Dotray, P.A. 2010. Weed Resistance Management. Annual Agronomy Meeting - Olton Grain Coop. Olton, TX. Dec. 7.
 543. Dotray, P.A. 2010. Weed Control Update. Crop Protection Services (CPS) Annual Dealer Meeting. Plainview, TX. Dec. 9.
 544. Dotray, P.A. 2010. Weed Resistance. Texas Vegetation Management Association. Lubbock, TX. Dec. 13.
 545. Dotray, P.A. 2010. Cotton weed management and chemical resistance. Swisher County Ag Day. Tulia, TX. Dec. 14.
 546. Dotray, P.A. 2011. Cotton weed management / An update on herbicide resistance. West Plains Cotton Conference. Levelland, TX. Jan. 17.
 547. Dotray, P.A. 2011. Weed identification and herbicide modes of action. Lawn and Ornamental Workshop. Texas AgriLife Extension. Lubbock, TX. Jan 19.
 548. Dotray, P.A. 2011. Cotton weed management. Llano Estacado Cotton Conference. Muleshoe, TX. Jan. 21.
 549. Dotray, P.A. 2011. Up and coming weeds. Halfway Farm Chemical. Halfway, TX. Jan. 28.
 550. Dotray, P.A. 2011. Weed control update in cotton. Deaf Smith County Cotton Conference. Hereford, TX. Feb. 11.
 551. Dotray, P.A. 2011. Weed control in peanut. Sandyland Agricultural Conference. Seminole, TX. Feb. 22.
 552. Dotray, P.A. 2011. Weed management in cotton. Lamb County Pre-Plant Cotton Workshop. Littlefield, TX. Feb. 22.
 553. Dotray, P.A. 2011. Weed issues and volunteer cotton. Carson County Cotton Meeting. Groom, TX. Feb. 23.
 554. Dotray, P.A. 2011. Cotton weed management to avoid resistance. Gulf Coast Cotton Management Workshop - Planning to Emergence. Corpus Christi, TX. Feb. 25.
 555. Dotray, P.A. 2011. Weed control in peanut. Texas South Plains Peanut Production Workshop - Southwest. Texas AgriLife Extension Service. Plains, TX. Feb. 28.
 556. Dotray, P.A. 2011. GlyTol and Glytol plus LibertyLink cotton. Tech Tour by Bayer CropScience. Plainview, TX. Mar. 23.

557. Dotray, P.A. 2011. Weed resistance update and cotton weed management. Lower Rolling Plains Ag Conference. Snyder, TX. Mar. 30.
558. Dotray, P.A. 2011. Weed science principles, weed identification, and weed control recommendations. Permian Basin Master Gardener Program. Midland, TX. Apr. 13.
559. Dotray, P.A. 2011. Weed Science. Upward Bound Program. Lubbock, TX. Jun 20 and Jun 23.
560. Dotray, P.A. 2011. Herbicide symptomology. Deltapine Technology Showcase - Internal Demonstration. Lorenzo, TX. Jun 19.
561. Dotray, P.A. 2011. Controlling drift. Texas Ag Industries Association. Lubbock, TX. Sep. 13.
562. Dotray, P.A., J.W. Keeling, and T.A. Baughman. 2011. Weed Resistance. Weed Science Panel Discussion. West Texas Agricultural Chemicals Institute. Lubbock, TX. Sep. 14.
563. Dotray, P.A. 2011. Fundamental Principles of Genetics--PSS 3421. Guest lecturer. Department of Plant and Soil Science, Texas Tech University. Lubbock, TX. Oct. 18.
564. Dotray, P.A. 2011. Synergistic/Antagonistic effects on glyphosate and glufosinate in tank mixture in GlyTol plus LibertyLink Cotton. Texas State Support Committee Projects. Lubbock, TX. Dec. 2.
565. Dotray, P.A. 2011. Weed Control Update. Crop Protection Services (CPS) Annual Dealer Meeting. Plainview, TX. Dec. 8.
566. Dotray, P.A. 2011. A review of weed management in 2011. Annual Agronomy Meeting - Olton Grain Coop. Olton, TX. Dec. 8.
567. Dotray, P.A. 2012. Thoughts for controlling weeds in 2012. Northwest Texas Ag Conference. Clarendon, TX. Jan. 13.
568. Dotray, P.A. 2012. Weed management update. Carson County Cotton Production Meeting. Groom, TX. Jan. 17.
569. Dotray, P.A. 2012. Weed resistance in Texas and a Plan of Action. Texas Seed Trade Association. Grapevine, TX. Feb. 6.
570. Dotray, P.A. 2012. Weed issues in cotton. Deaf Smith County Cotton Conference. Hereford, TX. Feb. 7.
571. Dotray, P.A. 2012. High Plains herbicide resistance update in cotton production systems. Southwest Farm & Ranch Classic. Lubbock, TX. Feb. 8.
572. Dotray, P.A. 2012. Weed control issues in drought conditions and resistance management. South Plains Ag Conference and Trade Show. Brownfield, TX. Feb. 9.

578. Dotray, P.A. 2012. Weed resistance management. Sandyland Agricultural Conference. Seminole, TX. Feb. 28.
579. Dotray, P.A. 2012. Weed resistance. West Texas Dealer Forum. Amarillo, TX. Feb. 29.
580. Dotray, P.A. 2012. Weed management. Llano Estacado Crop Conference. Muleshoe, TX. Mar. 5.
581. Dotray, P.A. 2012. New AI's and technology for successful weed management. High Plains Association of Crop Consultants. Lubbock, TX. Mar. 6.
582. Dotray, P.A. 2012. Managing pigweed resistance. West Plains Cotton Conference. Levelland, TX. Mar. 27.
583. Dotray, P.A. 2012. Weed resistance to herbicides - Why and How (AM) and Weed management strategies for 2012 and the Importance of water quality on herbicide efficacy. Lower Rolling Plains Ag Conference. Snyder, TX. Apr. 4.
584. Dotray, P.A. 2012. Weed control and resistance issues. Preplant Cotton Production Meeting. New Home, TX. Apr. 5.
585. Dotray, P.A. 2012. Pigweed resistance and weed control around storage grain facilities. Lubbock County Stored Grain Pest Workshop. Lubbock, TX. Apr. 20.
586. Dotray, P.A. 2012. Weed identification and control. Lubbock Master Gardner's Association. Lubbock, TX. May 1.
587. Dotray, P.A. 2012. Weed identification and management. Southern Ornamental and Turf Conference. Texas AgriLife Extension Service - Terry County. Brownfield, TX. Jun. 19.
588. Dotray, P.A. 2012. Weed resistance update. Cotton/Peanut Tour - Gaines County. Seminole, TX, Jul 24.
589. Dotray, P.A. 2012. Herbicides: From a grower's perspective. Sprayer Clinic. John Deere - Ray Lee Equipment Co., LTD. Plainview, TX, Aug. 7.
590. Dotray, P.A. 2012. Cotton weed control and weed resistance issues. Texas AgriLife Extension Service Cotton Agent Training (New Agents - AM; Advanced Agents - PM). Lubbock, TX. Aug. 21.
591. Dotray, P.A. 2012. Using IPM to control crop pests. Texas Ag Industries Association. Lubbock, TX. Sep. 5.
592. Dotray, P.A. 2012. Fall weed control and weed resistance update. Lynn County Ag Tour. Tahoka, TX. Sep. 19.
593. Dotray, P.A. 2012. Weed Resistance. Texas Pest Control Association. Lubbock, TX. Sep. 24.

594. Dotray, P.A. 2012. Update on weed resistance. Bayer CropSciences Field Tour. Lubbock, TX. Sep. 26.
595. Dotray, P.A. 2012. How herbicides behave in the plant, Invasive plant species of the High Plains, and Herbicide resistance - What it is and how to manage against it. Bureau of Land Management IPM/Pesticide Applicator Certification Training. Amarillo, TX. Oct. 24.
596. Dotray, P.A. 2012. Influence of water quality on weed control by glyphosate. Texas State Support Committee Projects. Lubbock, TX. Dec. 4.
597. Dotray, P.A. 2012. Weed management update. Crop Production Services Annual Dealer Meeting. Plainview, TX. Dec. 6.
598. Dotray, P.A. 2012. Pigweed resistance and lessons from 2012. High Plains Ag Conference. TX. Dec. 7.
599. Dotray, P.A. 2012. Chemically dealing with resistant weeds. Swisher County Ag Day. Tulia, TX. Dec. 12.
600. Dotray, P.A. 2013. Resistant weeds. Hale/Swisher Counties Crops Conference. Plainview, TX. Feb 11.
601. Dotray, P.A. 2013. Weed management in grain sorghum. Feed Grains Conference. Texas A&M AgriLife Extension Service. Muleshoe, TX. Feb. 12 (via Lync).
602. Dotray, P.A. 2013. Weed management in an agricultural setting (split session in the AM). Pesticide Applicator Training. Texas A&M AgriLife Extension Service and Texas Department of Agriculture. El Paso, TX. Feb. 13.
603. Dotray, P.A. 2013. Weed management in an urban landscape (split session in the PM). Pesticide Applicator Training. Texas A&M AgriLife Extension Service and Texas Department of Agriculture. El Paso, TX. Feb. 13.
604. Dotray, P.A. 2013. Herbicides. Agricultural Compounds/Pesticides. PSS 4301/5307. Guest lecturer. Department of Plant and Soil Science, Texas Tech University. Lubbock, TX. Feb. 20.
605. Dotray, P.A. 2013. Weed resistance management in sandy soils. Sandyland Agricultural Conference. Seminole, TX. Feb. 28.
606. Dotray, P.A. 2013. Weed control: Past, Present, and Future. High Plains Assoc. of Crop Consultants - BASF Innovation Meeting. Lubbock, TX. Mar. 4.
607. Dotray, P.A. 2013. Herbicide evaluations in grain sorghum. High Plains Association of Crop Consultants. Lubbock, TX. Mar. 5.
608. Dotray, P.A. 2013. Weed identification and control. Lubbock Master Gardner's Association. Lubbock, TX. Mar 7.

609. Dotray, P.A. 2013. Calibration. Agricultural Compounds/Pesticides. PSS 4301/5307. Guest lecturer. Department of Plant and Soil Science, Texas Tech University. Lubbock, TX. Mar. 18.
610. Dotray, P.A. 2013. Weed control in cotton for 2013. Preplant Cotton Production Meeting. New Home, TX. Mar. 27.
611. Dotray, P.A. 2013. Weed management update. Preplant Cotton Production Meeting. Gail, TX. Mar. 27.
612. Dotray, P.A. 2013. Weed management in peanut. 2013 Peanut Production Workshop. Texas AgriLife Extension Service. Brownfield, TX. Mar. 29.
613. Dotray, P.A. 2013. Weed management strategies for 2013 and Importance of water quality on herbicide efficacy. Lower Rolling Plains Ag Conference. Snyder, TX. Apr. 3.
614. Dotray, P.A. 2013. Herbicide Mode of Action (AM) and greenhouse demonstration (PM). EPA and State (NM, TX, OM, LA, AR) Pesticide Inspector Workshop. Lubbock, TX. Apr. 10.
615. Dotray, P.A. 2013. Herbicide Mode of Action. Lubbock County Stored Grain Pests Workshop. Lubbock, TX. Apr. 12.
616. Dotray, P.A. 2013. Tour of weed control plots in peanut. BASF. Halfway, TX. Jun 26.
617. Dotray, P.A. 2013. Cotton weed control and weed resistance issues. Texas AgriLife Extension Service Cotton Agent Training. Lubbock, TX. Aug. 20.
618. Dotray, P.A. 2013. Weed resistance. Bayer Global Team for Weed Resistance. Lubbock, TX. Aug. 22.
619. Dotray, P.A. 2013. Tour of regulated cotton trials. Monsanto. New Deal, TX. Aug. 28.
620. Dotray, P.A. 2013. Cotton and peanut weed management and an update on weed resistance. Cotton/Peanut Tour - Gaines County. Seminole, TX. Aug. 29.
621. Dotray, P.A. 2013. A weed management discussion for Master Gardeners. Lubbock Master Gardener's Association. Lubbock, TX. Sep 3.
622. Dotray, P.A. 2013. Listening, Note-taking, and Test-taking skills. Guest Lecturer. IS1100. Lubbock, TX. Sep 4.
623. Dotray, P.A. 2013. Weed control and weed resistance management. Yoakum County Ag Conference. Plains, TX. Sep. 12.
624. Dotray, P.A. 2013. Weed Resistance - It is Here! Lynn County Ag Tour. O'Donnell, TX. Sep. 17.

625. Dotray, P.A. 2013. Herbicide modes of action. Texas Pest Control Association. Lubbock, TX. Sep. 23.
626. Dotray, P.A. 2013. Weed resistance update. Stanton Fertilizer Harvest Aid Meeting. Shallowater, TX. Sep. 30.
627. Dotray, P.A. 2013. Weed ID and Herbicides. Right of Way Meeting. Texas AgriLife Extension - Gray County. Oct. 14. (Participated via Lync).
628. Dotray, P.A. 2013. What is Weed Science? Freshman and Transfer Seminar. PSS 1100. Guest lecturer. Department of Plant and Soil Science, Texas Tech University. Lubbock, TX. Oct. 29.
629. Dotray, P.A. 2013. Weed management and resistance update. Cotton Grower Achievement Awards Luncheon. Lubbock, TX. Dec. 2.
630. Dotray, P.A. 2013. Update on Enlist trials in west Texas. Enlist Research Exchange Meeting. Atlanta, GA. Dec. 5.
631. Dotray, P.A. 2013. Understanding resistant weeds. Swisher County Ag Day. Tulia, TX. Dec. 10.
632. Dotray, P.A. 2013. Managing weeds in a resistance situation. West Plains Ag Conference. Levelland, TX. Dec. 12.
633. Dotray, P.A. 2013. Weed management update. Crop Production Services Annual Dealer Meeting. Plainview, TX. Dec. 12.
634. Dotray, P.A. 2013. An update on Pigweed resistance, and management strategies. High Plains Ag Conference. Lubbock, TX. Dec. 13.
635. Dotray, P.A. 2013. Weed Science Training. County Agent Training. Lubbock, TX. Dec. 17.
636. Dotray, P.A. 2014. Herbicide characteristics and weed management. Western Rolling Plains Chemical Conference. Spur, TX. Jan. 13.
637. Dotray, P.A. 2014. Utilizing new herbicide technologies in weed management. Rolling Plains Cotton and Agricultural Conference. Stamford, TX. Jan. 14.
638. Dotray, P.A. 2014. Recognizing and understanding weed resistance issues, and Timing of herbicide applications for early weed control. Cotton Production Meeting. Groom, TX. Jan. 20.
639. Dotray, P.A. 2014. Weed management: Focus on glyphosate resistant weeds. Lamb County Ag Conference. Littlefield, TX. Jan. 22.
640. Dotray, P.A. 2014. Four step programs for managing glyphosate resistant pigweeds in

- cotton. Southern Mesa Ag Conference. Lamesa, TX. Jan. 22.
641. Dotray, P.A. 2014. Herbicide resistant weed management. Caprock Crop Production Conference. Muncy, TX. Jan. 23.
 642. Dotray, P.A. 2014. Weed management. Llano Estacado Cotton Conference. Muleshoe, TX. Jan. 24.
 643. Dotray, P.A. 2014. Landscape weed identification and herbicide mode of action. Commercial Lawn and Ornamental CEU Meeting. Lubbock, TX. Jan. 31.
 644. Dotray, P.A. 2014. Weed resistance in 2014. Hale/Swisher Counties Crops Conference. Plainview, TX. Feb. 10.
 645. Dotray, P.A., J.W. Keeling, J. Everitt, and R. Perkins. 2014. Weed resistance panel. Muleshoe State Bank. Muleshoe, TX. Feb. 11.
 646. Dotray, P.A. 2014. Cotton weed management. Castro County Cotton Weed Meeting. Friona, TX. Feb.12.
 647. Dotray, P.A. 2014. Pigweed resistance - it's here, now what? Hub of the Plains Ag Conference. Lubbock, TX. Feb. 12.
 648. Dotray, P.A. 2014. Herbicides, generics, and new technologies. Deaf Smith County Cotton Conference. Hereford, TX. Feb. 14.
 649. Dotray, P.A. 2014. Weed control/Herbicide selection. Other Than Cotton Meeting. Lamesa, TX. Feb. 19.
 650. Dotray, P.A. 2014. Herbicide Selection / Mode of Action and Preplant/Preemergence Herbicides. Texas A&M AgriLife Extension - Gray County. Feb. 26. (Participated via Lync).
 651. Dotray, P.A. 2014. Weed control/Weed resistance in cotton for 2014. Preplant Cotton Production Meeting. Tahoka, TX. Mar. 27.
 652. Dotray, P.A. 2014. Weed management strategies. Texas A&M AgriLife Extension Meeting. Wellington, TX. Mar. 28.
 653. Dotray, P.A. 2014. Weed management strategies for 2014. Lower Rolling Plains Ag Conference. Snyder, TX. Apr. 9.
 654. Dotray, P.A. 2014. Weed identification and control. Lea County Master Gardeners. Hobbs, NM. Apr. 10.
 655. Dotray, P.A. 2014. Weed control update. Randall County (via Lync). Jul. 29.
 656. Dotray, P.A. 2014. Who are Texas Tech Students and how to connect with them? Teaching Foundations New Faculty Workshop. Lubbock, TX. Aug. 20.

657. Dotray, P.A. 2014. What we have learned on carelessweed resistance. Lubbock County Field Day. Acuff, TX. Aug. 29.
658. Dotray, P.A. 2014. Weed resistance and control. Collingsworth County Crops Tour. Quail, TX. Sep. 5.
659. Dotray, P.A. 2014. Weed resistance and how we battle the problems. Wheeler Crop/Range Field Day. Wheeler, TX. Sep. 8.
660. Dotray, P.A. 2014. Weed control/resistance management. Gray/Carson Crop/Weed Management Tour. White Deer/Pampa, TX. Sep. 8.
661. Dotray, P.A. 2014. Managing weed resistance with crop rotations. Lynn County Ag Tour. Tahoka, TX. Sep. 17.
662. Dotray, P.A. 2014. What is Weed Science? Freshman and Transfer Seminar. PSS 1100. Guest lecturer. Department of Plant and Soil Science, Texas Tech University. Lubbock, TX. Oct. 29.
663. Dotray, P.A. 2014. Weeds and herbicides to manage resistance in west Texas crop production. Crop Production Services Annual Dealer Meeting. Plainview, TX. Dec. 11.
664. Dotray, P.A. 2014. Managing pigweed resistance. High Plains Ag Conference. Lubbock, TX. Dec. 12.
665. Dotray, P.A. 2014. Weed identification and chemical modes of action. Swisher County Ag Day. Tulia, TX. Dec. 16.
666. Dotray, P.A. 2015. Chemical and physical control of weeds. Southeast Panhandle Ag Conference. Memphis, TX. Jan. 14.
667. Dotray, P.A. 2015. Weed control and new technologies. Hockley County Crop Conference. Levelland, TX. Jan. 15.
668. Dotray, P.A. 2015. Weed control systems. Western Rolling Plains Chemical Conference. Spur, TX. Jan. 19.
669. Dotray, P.A. 2015. Weed resistance update. Permian Basin Cotton Conference. Stanton, TX. Jan. 20
670. Dotray, P.A. 2015. Weed management and new technology. Caprock Crop Production Conference. Muncy, TX. Jan. 21.
671. Dotray, P.A. 2015. Strategies for managing resistant pigweed on the High Plains - What we have learned! Hub of the Plains Ag Conference. Lubbock, TX. Feb. 4.
672. Dotray, P.A. 2015. An update on weed resistance and how to manage these weeds. Halfway Farm Chemical. Halfway, TX. Feb. 6.

673. Dotray, P.A. 2015. Herbicides, generics, and new technologies. Deaf Smith County Cotton Conference. Hereford, TX. Feb. 6.
674. Dotray, P.A. 2015. Weed resistance management in sandy soils. Sandyland Agricultural Conference. Seminole, TX. Feb. 25.
675. Dotray, P.A. 2015. Weed identification and strategies for effective weed control for Master Gardeners. Lubbock Master Gardener's Association. Lubbock, TX. Mar. 5.
676. Dotray, P.A. 2015. Weed management. Llano Estacado Crop Conference. Muleshoe, TX. Mar. 6.
677. Dotray, P.A. 2015. Weed resistance management. Castro County Ag Conference and John Deere Planter Clinic. Dimmitt. Mar. 11.
678. Dotray, P.A. 2015. Preplant and preemergence weed control in cotton, sorghum, and peanut. Preplant Meeting. Lamesa, TX. Mar. 30.
679. Dotray, P.A. 2015. Weed management strategies for 2015. Lower Rolling Plains Ag Conference. Snyder, TX. Apr. 1.
680. Dotray, P.A. 2015. Weed ID, principles of weed control, herbicides, and weed control in Irises. South Plains Iris Society. Lubbock, TX. May 18.
681. Dotray, P.A. 2015. Weed resistance update for Texas. National Cotton Council Board of Mid-South Growers. Lubbock, TX. Jul 27.
682. Dotray, P.A. 2015. Herbicide symptomology. Bayer CropSci. Lubbock, TX. Aug. 12.
683. Dotray, P.A. 2015. Herbicide symptomology. Monsanto. Lubbock, TX. Aug. 13.
684. Dotray, P.A. 2015. Herbicide symptomology. Helena. Lubbock, TX. Aug. 17.
685. Dotray, P.A. 2015. Herbicide symptomology. Bayer CropSci. Lubbock, TX. Aug. 18.
686. Dotray, P.A. 2015. Herbicide symptomology. County Extension Agents. Texas A&M AgriLife Extension Service. Lubbock, TX. Aug. 28.
687. Dotray, P.A. 2015. Weed resistance issues. Plains Ginners' Association. Lubbock, TX. Aug. 31.
688. Dotray, P.A. 2015. Weed resistance update and future technologies. Wheeler County Crops & Cattle Field Day. Wheeler, TX. Sep. 16.
689. Dotray, P.A. 2015. Weed control/resistance management. Gray/Carson Crop/Weed Management Tour. Pampa, TX. Sep. 16.
690. Dotray, P.A. 2015. Weed management challenges in peanut and cotton. Dawson County Ag Tour. Lamesa, TX. Sep. 21. 691. Dotray, P.A. 2015. Weed management update.

- Lynn County Ag Tour. Lakeview, TX. Sep. 23.
692. Dotray, P.A. 2015. Weed pest control. Mitchell County Farm Tour. Colorado City, TX. Oct. 7.
693. Dotray, P.A. 2015. Counties' role in managing herbicide resistant weeds. South Plains District 2 County Commissioners Court Conference. Lubbock, TX. Oct. 28.
694. Dotray, P.A. and W.J. Grichar. 2015. Peanut weed control update. Texas Peanut Producers Board. Lubbock, TX. Nov. 30.
695. Dotray, P.A. 2015. Weed resistance in the Texas Southern High Plains. Texas Plant Protection Association Conference. Bryan, TX. Dec. 8.
696. Dotray, P.A. 2015. New technologies in resistant weed management. High Plains Ag Conference. Lubbock, TX. Dec. 11.
697. Dotray, P.A. 2015. Herbicide management of resistant weeds in West Texas crop production. Crop Production Services Annual Dealer Meeting. Plainview, TX. Dec. 11.
698. Dotray, P.A. 2016. Risks and Rewards of New Technologies in Weed Management. "Seeking Solutions" – Managing Economic Risks. Texas A&M AgriLife Extension North Region. Lubbock, TX. Jan. 12.
699. Dotray, P.A. 2016. Cotton weed resistance/New technologies and spray concerns. West Plains Ag Conference. Levelland, TX. Jan. 15.
700. Dotray, P.A. 2016. Weed control / Alternatives to glyphosate. Western Rolling Plains Chemical Conference. Spur, TX. Jan. 18.
701. Dotray, P.A. 2016. Cotton and peanut weed control. Southern Mesa Agricultural Conference. Lamesa, TX. Jan. 19.
702. Dotray, P.A. 2016. Early season weed control. St. Lawrence Cotton Conference. Garden City, TX. Jan. 19.
703. Dotray, P.A. 2016. Weed management. South Plains Ag Conference and Trade Show. Brownfield, TX. Jan. 20.
704. Dotray, P.A. 2016. New cotton weed technology. Caprock Crop Production Conference. Muncy, TX. Jan. 22.
705. Dotray, P.A. 2016. Weed management decisions for 2016. Lamb County Crops Conference. Littlefield, TX. Jan. 22.
706. Dotray, P.A. 2016. Chemical and physical weed control and resistant weeds. Southeast Texas Panhandle Ag Conference. Memphis, TX. Jan. 27.
707. Dotray, P.A. 2016. Effective use of common herbicides. Commercial Turf and

- Ornamental Workshop. Lubbock, TX. Jan. 28.
708. Dotray, P.A. 2016. Weed management – Managing your herbicide program. Llano Estacado Cotton Conference. Muleshoe, TX. Jan. 29.
 709. Dotray, P.A. 2016. Managing resistant pigweed on the High Plains – old and new technologies. Hub of the Plains Ag Conference. Lubbock, TX. Feb. 2.
 710. Dotray, P.A. 2016. Weed resistance management in sandy soils / New cotton technology and spray concerns. Sandyland Agricultural Conference. Seminole, TX. Feb. 23.
 711. Dotray, P.A. 2016. Weed management – including glyphosate resistant weeds. Briscoe Spring Crop Producer meeting. Silverton, TX. Mar. 1.
 712. Dotray, P.A., and M.R. Manuchehri. 2016. New Herbicides and Technology in cotton. High Plains Association of Crop Consultants. Lubbock, TX. Mar. 2.
 713. Dotray, P.A. 2016. A round table discussion on effective weed management. Pre-season cotton meeting. Floydada, TX. Mar. 2.
 714. Dotray, P.A. and several other research and extension specialists. 2016. A round table discussion on production of conventional cotton. Conventional cotton in 2016. Lubbock, TX. Mar. 3.
 715. Dotray, P.A. 2016. Weed identification and strategies for effective weed control for Master Gardeners. Lubbock Master Gardner’s Association. Lubbock, TX. Mar. 5.
 716. Dotray, P.A. 2016. Weed management strategies for 2016. Lower Rolling Plains Ag Conference. Snyder, TX. Apr. 6.
 717. Dotray, P.A. 2016. Weed control around grain storage facilities. Lubbock County Stored Grain Pest Workshop. Lubbock, TX. Apr. 22.
 718. Dotray, P.A. Weed management update and review. Texas County Extension Agent and IPT Training. Lubbock, TX. Jul 27.
 719. Dotray, P.A. 2016. Late-season weed management. Quality Cotton Conference. August 4.
 720. Dotray, P.A. 2016. Cotton and peanut weed management, drift management, and an update on weed resistance and technology. Gaines County Ag Tour. Seminole, TX. Aug. 24.
 721. Dotray, P.A. 2016. Weed control on the Texas High Plains – Challenges and Solutions. National Cotton Council / African Delegation. Aug. 29.
 722. Dotray, P.A. 2016. Weed resistance update and future technologies. Wheeler County Crops & Cattle Field Day. Wheeler, TX. Sep. 14.

723. Dotray, P.A. 2016. Weed Resistance. Texas State Support Committee Projects. Lubbock, TX. Dec. 1.
724. Dotray, P.A. 2016. Herbicide resistant weed management. Ag Technology Conference. Commerce, TX. Dec 8.
725. Dotray, P.A. 2016. Herbicide resistance: Where we came from and where we are going? Blackland Income Growth Conference. Waco, TX. Dec. 13.
726. Dotray, P.A. 2016. Importance of weed management systems, limitations, products, prices, laws. Blackland Income Growth Conference. Waco, TX. Dec. 13.
727. Dotray, P.A. 2017. Technology Stewardship. Plains Cotton Growers, Inc. Board of Directors. Lubbock, TX. Jan. 11.
728. Dotray, P.A. 2017. Preplant / In-season weed control methods and new technologies. West Plains Ag Conference. Levelland, TX. Jan. 13.
729. Dotray, P.A. 2017. Weed Management. Southern Mesa Ag Conference. Lamesa, TX. Jan. 16.
730. Dotray, P.A. 2017. Weed management and application stewardship. Agronomy Update. West Central Inc. Plainview, TX. Jan. 17.
731. Dotray, P.A. 2017. New weed technologies. Caprock Crop Production Conference. Muncy, TX. Jan. 18.
732. Dotray, P.A. 2017. New herbicides and cotton technologies. Lamb County Crops Conference. Littlefield, TX. Jan. 18.
733. Dotray, P.A. 2017. Weed management. Llano Estacado Cotton Conference. Muleshoe, TX. Jan. 30.
734. Dotray, P.A. 2017. Managing resistant weeds & technology stewardship. Hub of the Plains Ag Conference. Lubbock, TX. Feb. 2.
735. Dotray, P.A. 2017. Herbicides, generics, and new technologies. Deaf Smith County Cotton Conference. Hereford, TX. Feb. 21.
736. Dotray, P.A. 2017. Weed resistance management in sandy soils / New cotton technology and spray concerns. Sandyland Agricultural Conference. Seminole, TX. Feb. 22.
737. Dotray, P.A. 2017. Weed management. Turkey Ag Conference. Turkey, TX. Mar. 1.
738. Dotray, P.A. 2017. A round table discussion on effective weed management for 2017. Pre-season cotton meeting. Floydada, TX. Mar. 3.
739. Dotray, P.A. 2017. New weed management technologies and stewardship in cotton. High Plains Association of Crop Consultants. Lubbock, TX. Mar. 7.

740. Dotray, P.A. 2017. An informal discussion about new herbicide options and risks/benefits of auxinic-tolerant cotton. Ralls, TX. Mar. 31.
741. Dotray, P.A. 2017. Weed management strategies for 2017. Lower Rolling Plains Ag Conference. Snyder, TX. Apr. 5.
742. Dotray, P.A. 2017. Weed management update using new herbicide technologies. Gaines County Ag Tour. Seminole, TX. Aug. 23.
743. Dotray, P.A. 2017. Management of herbicide resistant weeds and use of new cotton technologies. Lynn County Farm Tour. Tahoka, TX. Sep 20.
744. Dotray, P.A. 2017. Weed Resistance. Texas State Support Committee Projects. Lubbock, TX. Nov. 30.
745. Dotray, P.A. 2017. Update on new cotton technologies. Texas Plant Protection Association Conference. Bryan, TX. Dec 5.
746. Dotray, P.A. 2017. Minimizing pesticide drift in the Permian Basin. Professional Applicator's Conference – Texas A&M AgriLife Extension, Ector County. Odessa, TX. Dec 12.
747. Dotray, P.A. 2018. Auxin certification training. Texas A&M AgriLife Research and Extension Center. Lubbock, TX. Jan. 11.
748. Dotray, P.A. 2018. New technology concerns and application methods: Risks and Rewards. West Plains Ag Conference. Levelland, TX. Jan. 12.
749. Dotray, P.A. 2018. New herbicide technology. Southern Mesa Ag Conference. Lamesa, TX. Jan. 16.
750. Dotray, P.A. 2018. New cotton technologies. Southeast Texas Panhandle Ag Conference. Wellington, TX. Jan. 17.
751. Dotray, P.A. 2018. A one-year view of using auxin herbicides. South Plains Ag Conference. Brownfield, TX. Jan. 18.
752. Dotray, P.A. 2018. Auxin certification training. Caprock Crop Production Conference. Muncy, TX. Jan. 19.
753. Dotray, P.A. 2018. Weed management systems for 2018. Llano Estacado Cotton Conference. Muleshoe, TX. Jan. 26.
754. Dotray, P.A. 2018. Weed resistance management in sandy soils / New cotton technology and spray concerns. Sandyland Agricultural Conference. Seminole, TX. Feb. 6.
755. Dotray, P.A., R. Boman, J. McGinty, and W. Keeling. 2018. Weed management and new technologies. Panel Discussion. Texas/Oklahoma Cotton Physiology Meeting. Lubbock,

- TX. Feb. 7.
756. Dotray, P.A. 2018. Weeds and their control. Lubbock Memorial Arboretum Club. Lubbock, TX. Feb. 10.
757. Dotray, P.A. 2018. Auxin certification training. Texas A&M AgriLife Research and Extension Center. Lubbock, TX. Feb. 12.
758. Dotray, P.A. 2018. Auxin certification training. Crop Protection Services. Cotton Center, TX. Feb. 15.
759. Dotray, P.A. 2018. Auxin certification training. Castro Crops Conference. Dimmitt, TX. Feb. 15.
760. Dotray, P.A. 2018. Weed management – A review and look ahead. Swisher County Spring Ag Conference. Tulia, TX. Mar. 1.
761. Dotray, P.A. 2018. Herbicides. Guest lecturer in Agricultural Compounds/Pesticides (PSS 4301/5307). Department of Plant and Soil Science. Texas Tech University, Lubbock. Mar. 5.
762. Dotray, P.A. 2018. New weed management technologies and stewardship in cotton. High Plains Association of Crop Consultants. Lubbock, TX. Mar. 6.
763. Dotray, P.A. 2018. A round table discussion on effective weed management for 2018. Pre-season cotton meeting. Floydada, TX. Mar. 7.
764. Dotray, P.A. 2018. Auxin certification training. Texas A&M AgriLife Research and Extension Center. Lubbock, TX. Mar. 8.
765. Dotray, P.A. 2018. Weed Management. Texas A&M AgriLife Extension Service County Agent Training. Lubbock, TX. Mar. 28.
766. Dotray, P.A. 2018. Weed management strategies for 2018. Lower Rolling Plains Ag Conference. Snyder, TX. Apr. 4.
767. Dotray, P.A. 2018. Auxin certification training. Texas A&M AgriLife Research and Extension Center. Lubbock, TX. Apr. 12.
768. Dotray, P.A. 2018. Auxin certification training. Texas A&M AgriLife Research and Extension Center. Lubbock, TX. May 11.
769. Dotray, P.A. 2018. Auxin certification training. Texas A&M AgriLife Research and Extension Center. Lubbock, TX. Jun. 1.
770. Dotray, P.A. 2018. Weed control systems with Liberty in sequential combination with Xtendimax, Enlist Duo, and Enlist One. Bayer CropSciences. Lubbock, TX. Jun 29.
771. Dotray, P.A. 2018. Weed resistance and Auxin Technology update for Texas. National

- Cotton Council Mid-South Producer Information Exchange (PIE). Lubbock, TX. Aug 20.
772. Dotray, P., S. Nolte, J. McGinty, and W. Keeling (moderator). 2018. Weed Control Across Texas. West Texas Agricultural Chemicals Institute Conference. Lubbock, TX. Sep. 11.
773. Nabors, H., J. Reed, D. Scott, and P. Dotray (moderator). 2018. Texas Ag Industries Association Regional Meeting. Lubbock, TX. Sep. 12.
774. Dotray, P.A. 2018. An update on weed resistance management and new cotton technologies. Collingsworth County Crop Tour. Wellington, TX. Sep. 14.
775. Dotray, P.A. 2018. A review of weed management in 2018 and a look ahead to 2019. Lynn County Ag Tour. O'Donnell, TX. Sep. 19.
776. Dotray, P.A. 2018. What is Weed Science? Freshman and Transfer Seminar. PSS 1100. Guest lecturer. Department of Plant and Soil Science, Texas Tech University. Lubbock, TX. Nov. 14.
777. Dotray, P.A. 2018. Managing resistant weeds. Amarillo Farm Show. Amarillo, TX. Nov. 27.
778. Dotray, P.A. 2018. Herbicide resistance management and weed seedbank ecology in Texas cotton. Texas State Support Committee Projects. Lubbock, TX. Nov. 28.
779. Dotray, P.A. 2018. Weed management in 2018 and expectations for 2019. Swisher County Ag Day. Tulia, TX. Dec. 5.
780. Dotray, P.A. 2018. Weed resistance and management. High Plains Ag Conference. Lubbock, TX. Dec. 7.
781. Dotray, P.A. 2019. Weed control methods / Building a total system approach. West Plains Ag Conference. Levelland, TX. Jan. 11.
782. Dotray, P.A. 2019. Managing glyphosate resistant pigweeds in cotton. Southern Mesa Agricultural Conference. Lamesa, TX. Jan. 15.
783. Dotray, P.A. 2019. Cotton weed management. Southeast Texas Panhandle Ag Conference. Memphis, TX. Jan 16.
784. Dotray, P.A. 2019. Auxin Certification Training. Plains Cotton Growers, Inc. Board of Directors. Lubbock, TX. Jan. 16.
785. Dotray, P.A. 2019. Weed management considerations. South Plains Ag Conference. Brownfield, TX. Jan. 17.
786. Dotray, P.A. 2019. Cotton weed management. Pre-plant cotton program - Briscoe County. Silverton, TX Jan. 18.

787. Dotray, P.A. 2019. Weed management systems for 2019. New Mexico Crop Production Association. Ruidoso, NM. Jan. 21.
788. Dotray, P.A. 2019. Herbicide and weed control recommendations. Red River Crops Conference. Childress, TX. Jan. 23.
789. Dotray, P.A. 2019. Weed management strategies. Caprock Crop Production Conference. Muncy, TX. Jan. 25.
790. Dotray, P.A. 2019. Resistant Weed Management. Top of Texas Cotton Conference. Pampa, TX. Jan. 28.
791. Dotray, P.A. 2019. Weed management strategies. Llano Estacado Cotton Conference. Jan. 29. Muleshoe, TX.
792. Dotray, P.A. 2019. Resistant weed management. Top of Texas Cotton Conference. Spearman, TX. Feb. 1.
793. Dotray, P.A. 2019. Auxin Certification Training. Lubbock, TX. Feb. 8.
794. Dotray, P.A. 2019. Managing herbicide resistant weeds. Commercial Turf and Ornamental Workshop. Lubbock, TX. Feb. 15.
795. Dotray, P.A. 2019. Weed identification and management. High Plains Crop Consultants Conference. Dimmitt, TX. Feb. 25.
796. Dotray, P.A. 2019. Weed resistance management in sandy soils / Cotton technology and spray concerns. Sandyland Agricultural Conference. Seminole, TX. Feb. 26.
797. Dotray, P.A. 2019. Resistant weed management. Central Plains Cotton Conference. Olton, TX. Feb. 27.
798. Dotray, P.A. 2019. Cotton weed management. Turkey Ag Producers Meeting. Turkey, TX. Mar. 1.
799. Dotray, P.A. 2019. Cotton weed management systems for 2019. Deaf Smith County Cotton Conference. Hereford, TX. Mar. 4.
800. Dotray, P.A. 2019. Weed management. High Plains Association of Crop Consultants. Lubbock, TX. Mar. 6.
801. Dotray, P.A. 2019. Auxin Certification Training. Lubbock, TX. Mar. 8.
802. Dotray, P.A. 2019. Weed management. Parmer County Ag Day. Bovina, TX. Mar. 18.
803. Dotray, P.A. 2019. Review of cotton weed control system approaches, and roundtable discussion-crop rotation/profitability growing cotton in 2019. Multi-County Row-Crop & IPM Conference. Plainview, TX. Mar. 19.

804. Dotray, P.A. 2019. Early-season cotton weed management. Texas A&M AgriLife Extension Service County Agent Training. Lubbock, TX. Mar. 25.
805. Dotray, P.A. 2019. Cotton weed management systems. Lower Rolling Plains Ag Conference. Snyder, TX. Apr. 3.
806. Dotray, P.A. 2019. Auxin Certification Training. Lubbock, TX. Apr. 12.
807. Dotray, P.A. 2019. Auxin Certification Training. Lubbock, TX. May 10.
808. Dotray, P.A. 2019. Weed management strategies. Hutchinson and Hansford Cotton Production Meeting. Adobe Walls Gin. Spearman, TX. Aug. 22.
809. Dotray, P.A. 2019. Update on auxinic cotton technologies. Carson and Gray Cotton Meeting. Pampa, TX. Aug. 22.
810. Dotray, P.A. 2019. An update on weed resistance management and new cotton technologies. Collingsworth/Wheeler County Crop Tour. Wellington, TX. Sep. 6.
811. Dotray, P.A. 2019. A review of weed management in 2019 and a look ahead to 2020. Lynn County Ag Tour. O'Donnell, TX. Sep. 18.
812. Dotray, P.A. 2019. A review of weed management in 2019. Donley County Crop Tour. Clarendon, TX. Sep. 25 (AM).
813. Dotray, P.A. 2019. A review of weed management in 2019. Hall County Crop Tour. Memphis, TX. Sep. 25 (PM).
814. Dotray, P.A. and D. Foster. 2019. Weed management update. Hale County Field Day. Halfway, TX. Oct. 7.
815. Dotray, P.A. 2019. Weed management in 2019 and expectations for 2020. Swisher County Ag Day. Tulia, TX. Dec. 4.
816. Dotray, P.A. 2019. Herbicide resistance management and weed seedbank ecology in Texas cotton. Texas State Support Committee Projects. Lubbock, TX. Dec. 4.
817. Dotray, P.A. and D. Foster. 2020. Weed control successes and failures. West Plains Ag Conference. Levelland, TX. Jan. 10.
818. Dotray, P.A. and D. Foster. 2020. Weed Management. Southern Mesa Agricultural Conference. Lamesa, TX. Jan. 14.
819. Dotray, P.A. and D. Foster. 2020. Cotton weed management. Top of Texas Cotton Conference. Pampa, TX. Jan. 15.
820. Dotray, P.A. and D. Foster. 2020. Cotton weed management. Southeast Texas Panhandle Ag Conference. Memphis, TX. Jan 15.

821. Dotray, P.A. and D. Foster. 2020. Weed management considerations. South Plains Ag Conference. Brownfield, TX. Jan. 16.
822. Dotray, P.A. and D. Foster. 2020. Advances in weed science. Hale/Swisher Crop Conference. Plainview, TX. Jan. 23.
823. Dotray, P.A. and D. Foster. 2020. Weed management strategies. Caprock Crop Production Conference. Muncy, TX. Jan. 24.
824. Dotray, P.A. and D. Foster. 2020. Resistant weed management. Llano Estacado Cotton Conference. Muleshoe, TX. Feb. 4. (via Skype).
825. Dotray, P.A. 2020. Auxin Certification Training. Lubbock, TX. February 14.
826. Dotray, P.A. and D. Foster. 2020. Cotton weed management. Northeast Panhandle Crops Conference. Perryton, TX. Feb. 20. (by video).
827. Dotray, P.A. and D. Foster. 2020. Weed resistance management in sandy soils / Cotton technology and spray concerns. Sandyland Agricultural Conference. Seminole, TX. Feb. 24.
828. Dotray, P.A. and D. Foster. 2020. Cotton weed management systems in 2020. Deaf Smith County Cotton Conference. Hereford, TX. Feb. 25.
829. Dotray, P.A. and D. Foster. 2020. Weed IPM update. Central Plains Ag Conference. Olton, TX. Feb. 26.
830. Dotray, P.A. and D. Foster. 2020. Resistant weed management. Turkey Ag Conference. Turkey, TX. Feb. 27.
831. Dotray, P.A. 2020. Auxin Certification Training. Lubbock, TX. Mar. 13.
832. Dotray, P.A. 2020. Overview of cotton weed management in 2020. Early Season Cotton Ag Conference. Texas A&M AgriLife Extension Service (delivered online via Zoom). Apr. 8.
833. Foster, D.C. and P.A. Dotray. 2020. Herbicide symptomology field demonstration. BASF Corporation. Lubbock, TX. Jul. 20.
834. Foster, D.C. and P.A. Dotray. 2020. Herbicide symptomology field demonstration. Texas Department of Agriculture. Lubbock, TX. Jul. 23.
835. Nolte, S. and P. Dotray. 2020. Weed Management Issues Affecting Texas Cotton Producers. Texas A&M AgriLife Cotton Strategy Session – Virtual Zoom Meeting. Jul. 23.
836. Dotray, P.A. 2020. Weed management topics for 2021. Extension Fall Administrative Virtual Meeting. Texas A&M AgriLife Extension Service. Sep. 2.

837. Dotray, P.A. and J.W. Keeling. 2020. Weed Management success in 2020 and a look ahead to 2021. West Texas Agricultural Chemicals Institute Conference. Virtual meeting. Sep. 9.
838. Dotray, P.A. 2020. Weed management systems for 2021, an update on herbicide-resistant weeds, and new crop technologies. Collingsworth County Crop Tour. Quail, TX. Sep. 11.
839. Dotray, P.A. 2020. Herbicide resistance management and weed seedbank ecology in Texas cotton. Texas State Support Committee Projects. Virtual meeting. Dec. 3. (virtual)
840. Dotray, P.A. 2021. Weed management. Southern Mesa Agricultural Conference. Lamesa, TX. Jan. 12. (virtual)
841. Dotray, P.A. 2021. Weed management. Red River Crops Conference. Jan 20. (virtual)
842. Dotray, P.A. 2021. Auxin certification training. Jan. 22. (virtual)
843. Dotray, P.A. 2021. Weed management challenges in 2021. Llano Estacado Cotton Conference. Jan 26. (virtual)
844. Dotray, P.A. 2021. Lessons learned from 2020 cotton weed control / Key strategies for 2021. Randall County Ag. Producer Pre-Plant Online Conference. Jan 27. (virtual)
845. Dotray, P.A. 2021. Auxin certification training. Feb. 12. (virtual)
846. Dotray, P.A. 2021. Laws and Regulations – Auxin Training. Sandyland Agricultural Conference. Seminole, TX. Feb. 23. (virtual)
847. Dotray, P.A. 2021. Weed management overview and options for 2021. Tri-County Crops Conference. Garden City, TX. Mar. 2. (virtual)
848. Dotray, P.A. 2021. Weed management options for 2021. Southeast Panhandle Ag Conference. Clarendon, TX. Mar. 3.
849. Dotray, P.A. 2021. Auxin certification training. Mar. 12. (virtual)
850. Dotray, P.A. 2021. Agronomy panel. Mid-Plains Innovative Agronomy Discussion. Hale/Swisher Counties. Mar. 30. (virtual)
851. Dotray, P.A. 2021. Weed management strategies. Caprock Crop Production Conference. Muncy, TX. Apr. 1.
852. Dotray, P.A. 2021. Weed management strategies. Lower Rolling Plains Ag Conference. Apr. 7. (virtual)
853. Dotray, P.A. 2021. Auxin certification training. Lower Rolling Plains Ag Conference. Apr. 7. (virtual)
854. Dotray, P.A. 2021. Auxin certification training. Apr. 9. (virtual)

855. Dotray, P.A. 2021. Weed management update. Briscoe County Preplant Program. Silverton, TX. Apr. 13.
856. Trostle, C., P. Dotray, and B. Bean. 2021. Sorghum herbicide update. Apr. 15. (virtual)
857. Dotray, P.A. 2021. Auxin certification training. May 14. (virtual)
858. Dotray, P.A. 2021. Auxin certification training. June 4. (virtual)
859. Dotray, P.A. 2021. Cotton Training - Weed Management (via Teams). July 8.
860. Dotray, P.A. 2021. Overview of weed management in 2021. Halfway Station Field Day. Halfway, TX. Jul. 27.
861. Dotray, P.A. 2021. Preemergence herbicides in cotton. Texas Ag Industries Association. Sept. 15. (virtual)
862. Dotray, P.A. 2021. Weed management update in cotton. Collingsworth County Crops Tour. Wellington, TX. Sept. 17.
863. Dotray, P.A. 2021. Opportunities in weed science. Freshman and Transfer Seminar. PSS 1100. Guest lecturer. Department of Plant and Soil Science, Texas Tech University. Lubbock, TX. Oct. 13.
864. Dotray, P.A. 2021. Strategies to manage herbicide resistant weeds. USDA-NRCS Central Region Fall Agronomy Meeting. Oct. 19. (virtual)
865. Dotray, P.A. 2021. Weed management approaches for coping with herbicide resistant weeds. Texas State Support Committee Projects. Virtual meeting. Dec. 1. Lubbock, TX.
866. Dotray, P.A. 2021. Will herbicide availability be an issue in 2022? Texas A&M AgriLife – Ag on the Plains. Dec. 9. (virtual)
867. Dotray, P.A. 2022. Weed management challenges in 2022. Southeast Panhandle Ag Conference. Memphis, TX. Jan. 12.
868. Dotray, P.A. 2022. Pre-plant decisions/challenges for managing resistant weeds. Texas A&M AgriLife – Ag on the Plains. Jan. 13. (virtual)
869. Dotray, P.A. 2022. Weed management challenges in 2022. West Plains Ag Conference. Levelland, TX. Jan. 14.
870. Dotray, P.A. 2022. Weed management challenges in 2022. Southern Mesa Agricultural Conference. Lamesa, TX. Jan. 20.
871. Dotray, P.A. 2022. Auxin-specific applicator certification training. Texas AgriLife Research and Extension Center – Lubbock. Jan. 21. (live and via Teams)

872. Dotray, P.A. 2022. Managing resistant weeds with new technologies. High Plains Cotton Conference. Spearman, TX. Jan. 28.
873. Dotray, P.A. 2022. Old and new challenges ahead. Cotton and Corn Conference - Parmer County. Bovina, TX. Feb. 8.
874. Dotray, P.A. 2022. Weed control, current technologies, and supply chain issues. Sandyland Agricultural Conference. Seminole, TX. Feb. 9.
875. Dotray, P.A. 2022. Auxin-specific applicator certification training. Texas AgriLife Research and Extension Center – Lubbock. Feb. 14. (live and via Teams)
876. Dotray, P.A. 2022. Cotton weed management systems in 2022. Deaf Smith County Cotton Conference. Hereford, TX. Feb. 15.
877. Dotray, P.A. 2022. New weed control challenges in 2022. Commercial Turf and Ornamental Workshop. Lubbock, TX. Feb. 18.
878. Dotray, P.A. 2022. Principles of Weed Control. High Plains Association of Crop Consultants. Lubbock, TX. Mar. 1.
879. Dotray, P.A. 2022. Weed management decisions when chemicals are in short supply. Permian Basin Cotton Conference. Big Spring, TX. Mar. 3.
880. Dotray, P.A. 2022. Integrated weed management and BMPs. Skyland Grain/Gin. Panhandle, TX. Mar. 9.
881. Dotray, P.A. 2022. Auxin-specific applicator certification training. Texas AgriLife Research and Extension Center – Lubbock. Mar. 10. (live and via Teams)
882. Dotray, P.A. 2022. Cotton weed management and new challenges ahead. Farm and Ranch Expo – Western Texas College. Snyder, TX. Mar. 24.
883. Dotray, P.A. 2022. Auxin-specific applicator training. StoneX Financial Inc. Lubbock, TX. Mar. 29.
884. Dotray, P.A. 2022. Weed management challenges in 2022. 2022 AgriPlex Ag Day. Rowena, TX. Apr. 5.
885. Dotray, P.A. 2022. Weed management options in cotton. Certified Pesticide Applicator CEU Program – Oklahoma State University. Apr. 6. (virtual)
886. Dotray, P.A. 2022. Weed management strategies for 2022. Lower Rolling Plains Ag Conference. Apr. 6. Snyder, TX.
887. Dotray, P.A. 2022. Auxin-specific applicator training. Lower Rolling Plains Ag Conference. Apr. 6. Snyder, TX.
888. Dotray, P.A. 2022. Herbicide availability and alternative weed control options. Briscoe

- County Pre-Plant Meeting. Apr. 7. Silverton, TX.
889. Dotray, P.A. 2022. Auxin-specific applicator certification training. Texas AgriLife Research and Extension Center – Lubbock. Apr. 8. (live and via Teams)
 890. Dotray, P.A. 2022. Auxin-specific applicator certification training. Texas AgriLife Research and Extension Center – Lubbock. May 13. (live and via Teams)
 891. Dotray, P.A. 2022. Overview and challenges of weed management in 2022 and a look current weed science research plots. Agent Training. Texas A&M AgriLife Extension Service. New Deal, TX. Jul. 19.
 892. Dotray, P.A., J.W. Keeling, and K. Siders. 2022. Seasonal weed management challenges. West Texas Agricultural Chemicals Institute annual conference. Lubbock, TX. Sept. 14.
 893. Dotray, P.A. 2022. Weed management update in cotton. Collingsworth County Crops Tour. Quail, TX. Sept. 16.
 894. Dotray, P.A. 2022. Opportunities in weed science. Freshman and Transfer Seminar. PSS 1100. Guest lecturer. Department of Plant and Soil Science, Texas Tech University. Lubbock, TX. Nov. 9.
 895. Dotray, P.A. 2022. Cotton Weed Management Successes and Challenges Ahead. Mississippi State University Row Crop Short Course. Starkville, MS. Dec. 5.
 896. Dotray, P.A. 2022. Summary of 2022 Weed Control. Lamb County Ag Conference. Littlefield, TX. Dec. 19.
 897. Dotray, P.A. 2022. Management of resistant weeds and new technologies. AgriLife Crop Production and Protection Seminar. Virtual to 28 Counties. Dec. 20.
 898. Dotray, P.A. 2023. Old and new weed management challenges in 2023. Southern Mesa Ag Conference. Lamesa, TX. Jan. 5.
 899. Dotray, P.A. 2023. Weed management challenges in 2023. West Plains Crops Conference. Levelland, TX. Jan. 6.
 900. Dotray, P.A. 2023. Status of weed control. Red River Crops Conference. Childress, TX. Jan. 18.
 901. Dotray, P.A. 2023. Weed management. Mid-Plains ag expo. Plainview, TX. Jan 20.
 902. Dotray, P.A. 2023. Weed management challenges ahead. New Mexico Crop Protection Conference. Jan. 24. (virtual)
 903. Dotray, P.A. 2023. Weeds, current technologies, drift management. Sandyland Agricultural Conference. Seminole, TX. Feb. 22.
 904. Dotray, P.A. 2023. Auxin-specific applicator certification training. Texas AgriLife

- Research and Extension Center – Lubbock. Mar. 1.
905. Dotray, P.A. 2023. Weed management issues. High Plains Association of Crop Consultants. Lubbock, TX. Mar. 1.
 906. Dotray, P.A. 2023. Weed management challenges in 2023. Cotton University. High Plains Cotton Journal. Lubbock, TX. Mar. 28.
 907. Dotray, P.A. 2023. Auxin-specific applicator certification training. Texas AgriLife Research and Extension Center – Lubbock. Apr. 3.
 908. Dotray, P.A. 2023. Weed management strategies. Lower Rolling Plains Ag Conference. Snyder, TX. Apr. 5.
 909. Dotray, P.A. 2023. Auxin-specific applicator certification training. Lower Rolling Plains Ag Conference. Snyder, TX. Apr. 5.
 910. Dotray, P.A. 2023. Sorghum weed management. Lubbock County Stored Grain Pest Workshop. Lubbock, TX. Apr. 14.
 911. Dotray, P.A. 2023. Weed management in cotton. EPA Webinar. Apr. 19.
 912. Dotray, P.A. and M. Mills. 2023. BASF Crop Tour. New Deal, TX. June 27 & 29.
 913. Dotray, P.A. 2023. Weed resistance and control; What works and what doesn't. 46th Annual Randall County AG Day & Crops Tour. Canyon, TX. Aug. 29.
 914. Dotray, P.A. and M. Mills. 2023. Update on weed management in 2023. Collingsworth County Crops Tour. Quail, TX. Sept. 8.
 915. Dotray, P.A. and M. Mills. 2023. Cotton weed management. Lynn County Farm Tour. New Home, TX. Sept. 20.
 916. Barnes, M., P. Dotray, and D. Hudson. 2023. Developing a thoughtful research program. Davis College of Agricultural Sciences and Natural Resources. Lubbock, TX. Oct. 18.
 917. Dotray, P.A. 2023. Weed Management. Texas Ag Industries Association. Lubbock, TX. Nov. 16.
 918. Dotray, P.A. 2023. Weed Management Issues. AgriLife Crop Production and Protection Seminar. Texas A&M AgriLife Extension Service. Dec 21. Virtual.
 919. Dotray, P.A. 2024. Why yellow herbicides are important – even in bad years. Southern Mesa Ag Conference. Lamesa, TX. Jan. 8.
 920. Dotray, P.A. 2024. Cotton weed management challenges (and solutions) in 2024. West Plains Crops Conference. Levelland, TX. Jan. 12.
 921. Dotray, P.A. 2024. Cotton weed management. Southeast Panhandle Ag Conference.

- Clarendon, TX. Jan. 16.
922. Dotray, P.A. 2024. Herbicide program updates. Red River Crops Conference. Altus, OK. Jan. 17.
 923. Dotray, P.A. 2024. Update on herbicide-resistant weeds, residual herbicides, and new herbicide-tolerant sorghums. Mid-Plains ag expo. Plainview, TX. Jan 18.
 924. Dotray, P.A. and M.M. Singletary. 2024. Herbicide resistant weeds and residual herbicides. BASF APT Summit. Lubbock, TX. Jan. 19.
 925. Dotray, P.A. 2024. Update on herbicide resistance. Tri-County Crop Conference. Bovina, TX. Jan. 26.
 926. Dotray, P.A. 2024. Weed management challenges in 2024. New Mexico Crop Protection Conference. Ruidoso, NM. Jan. 29.
 927. Dotray, P.A. 2024. Weed management challenges in 2024. Crops Conference. Dalhart, TX. Feb. 6.
 928. Dotray, P.A. 2024. Weed management challenges and solutions in 2024. Sandyland Ag Conference. Seminole, TX. Feb. 7.
 929. Dotray, P.A. and M.M. Singletary. 2024. An update on weed management in cotton. Hub of the Plains Crop Conference. Lubbock, TX. Feb. 8.
 930. Dotray, P.A. 2024. Weed management update. Oldham County Crop Conference. Oldham, TX. Feb. 26.
 931. Dotray, P.A. 2024. Weed management updates. Olton Crop Conference. Olton, TX. Feb. 28.
 932. Dotray, P.A. 2024. Weed management updates. Llano Estacado Cotton Conference. Feb. 29.
 933. Dotray, P.A. 2024. Life without dicamba, maybe! High Plains Association of Crop Consultants. Lubbock, TX. Mar. 6.
 934. Dotray, P.A. 2024. Weed management. Terry-Yoakum County CEU Conference. Brownfield, TX. Mar. 7.
 935. Dotray, P.A. 2024. Auxin-specific applicator certification training. Texas AgriLife Research and Extension Center – Lubbock. Mar. 8.
 936. Dotray, P.A. 2024. Auxin-specific applicator certification training. Texas AgriLife Research and Extension Center – Lubbock. Apr. 4.
 937. Dotray, P.A. 2024. Weed management updates for 2024. Lower Rolling Plains Ag Conference. Snyder, TX. Apr. 10.

938. Dotray, P.A. 2024. Ask the Expert – Life of a weed scientist. Collegiate Edu-Nation Programming. Virtual. Oct. 11.
939. Barnes, M., P. Dotray, and D. McCallister. 2024. Developing a thoughtful research program. Davis College of Agricultural Sciences and Natural Resources. Lubbock, TX. Oct. 16.
940. Dotray, P.A. 2024. Opportunities in weed science. Freshman and Transfer Seminar. PSS 1100. Guest lecturer. Department of Plant and Soil Science, Texas Tech University. Lubbock, TX. Nov. 6.
941. Dotray, P.A. 2024. Weed management with or without dicamba. Cotton Management. Amarillo Farm Show. Amarillo, TX. Dec. 4.
942. Dotray, P.A. 2024. Weed Management: A look back at 2024 and a look ahead to 2025. Olton Ag Conference. Olton, TX. Dec. 5.
943. Dotray, P.A. 2024. Weed Management Decisions, status of product availability, and ongoing research strategies in managing weeds. Crop Production and Risk Protection. Texas A&M AgriLife Extension Service. Dec 18. Virtual.

Presentations at Professional Meetings (Total of 100):

1. Dotray, P.A. 1988. Rooting development and its relationship to shoot growth in jointed goatgrass (*Aegilops cylindrica*). Western Society of Weed Science. Fresno, CA. Mar.
2. Dotray, P.A. 1989. Update on the integrated post management project for crop production in the Pacific Northwest. Western Society of Weed Science. Mar.
3. Dotray, P.A. 1989. Field tolerance of Poast tolerant corn. North Central Weed Science Society. Lexington, KY. Dec.
4. Dotray, P.A. 1990. Cross-tolerance of maize lines selected for sethoxydim/haloxyfop tolerance in tissue culture. North Central Weed Science Society. Ames, IA. Dec.
5. Dotray, P.A. 1990. Weed control in sethoxydim-tolerant corn. North Central Weed Science Society. Ames, IA. Dec. 11.
6. Dotray, P.A. 1991. Inhibition of acetyl-CoA carboxylase in sethoxydim- and haloxyfop-tolerant and susceptible maize lines. North Central Weed Science Society. Indianapolis, IN. Dec. 10.
7. Dotray, P.A. 1992. Effects of acetyl-CoA carboxylase inhibitors on electrical membrane potential in sethoxydim-tolerant and sethoxydim-susceptible corn lines. North Central Weed Science Society. Chicago, IL. Dec. 15.
8. Dotray, P.A. 1993. Effects of acetyl-coenzyme A carboxylase inhibitors on cell membrane potentials in sethoxydim-tolerant and Bsusceptible corn lines. Weed Science

- Society of America. Denver, CO. Feb. 9.
9. Dotray, P.A. 1994. Weed and rotational crop responses to Staple in the Texas Southern High Plains. Beltwide Cotton Conference. San Diego, CA. Jan. 7.
 10. Dotray, P.A. 1994. Control of broadleaf weeds in cotton with DPX-PE350. Weed Science Society of America. St. Louis, MO. Feb. 9.
 11. Dotray, P.A. 1994. Efficacy of Staple in cotton and its phytotoxicity on rotational crops in the Texas Southern High Plains. Southern Weed Science Society. Dallas, TX. Jan. 19.
 12. Dotray, P.A. 1995. Will Command safely control troublesome weeds in cotton on the Texas Southern High Plains? Beltwide Cotton Conference. San Antonio, TX. Jan. 6.
 13. Dotray, P.A. 1995. Lanceleaf sage (*Salvia reflexa*) control in cotton with herbicides applied preemergence and postemergence. Southern Weed Science Society. Memphis, TN. Jan. 16.
 14. Dotray, P.A. 1995. Weed management in West Texas cotton. Weed Science Society of America. Seattle, WA. Feb. 1.
 15. Dotray, P.A. 1996. Cotton tolerance and weed control in sandy soils with Command. Beltwide Cotton Conferences. Nashville, TX. Jan. 12.
 16. Dotray, P.A. 1996. Purple nutsedge (*Cyperus rotundus* L.) control with AC 263, 222 and imazethapyr in West Texas peanuts (*Arachis hypogaea* L.). Southern Weed Science Society. Charlotte, NC. Jan. 15.
 17. Dotray, P. A., J. W. Keeling, and C. L. Jones. 1996. Cotton tolerance and weed control with clomazone in sandy soils. Weed Science Society of America. Norfolk, VA. Feb. 7.
 18. Dotray, P.A. 1996. Weed management in cotton with clomazone and pyrithiobac. Western Society of Weed Science. Albuquerque, NM. Mar. 13.
 19. Dotray, P.A. 1997. Tolerance of Roundup Ready cotton to Roundup applied at various growth stages. Beltwide Cotton Conference. New Orleans, LA. Jan. 9.
 20. Dotray, P.A. 1997. Weed management in West Texas peanut. Southern Society of Weed Science. Houston, TX. Jan. 20.
 21. Dotray, P.A. 1997. Efficacy of pyrithiobac in Palmer amaranth (*Amaranthus palmeri*) as affected by thermal stress. American Society of Agronomy, Texas Chapter. College Station, TX. Feb. 24.
 22. Dotray, P.A. 1997. Tolerance of Roundup Ready cotton to glyphosate applied at various growth stages. Western Society of Weed Science. Portland, OR. Mar. 11.
 23. Dotray, P.A. 1997. Effects of broadleaf herbicides on control of morningglory species with imazameth. American Peanut Research and Education Society. San Antonio, TX.

- Jul. 10.
24. Dotray, P.A. 1998. Performance of Liberty-tolerant cotton. Beltwide Cotton Conferences. San Diego, CA. Jan. 8.
 25. Dotray, P.A. 1998. Weed control systems for West Texas peanuts. Southern Weed Science Society. Birmingham, AL. Jan. 28.
 26. Dotray, P.A. 1998. Inhibition kinetics used to evaluate thermal dependence of pyriithiobac in Palmer amaranth (*Amaranthus palmeri*). Weed Science Society of America. Chicago, IL. Feb. 10.
 27. Dotray, P.A. 1998. Performance of diclosulam in Texas peanut. American Peanut Research and Education Society. Norfolk, VA. Jul. 8.
 28. Dotray, P.A. 1998. Field performance of glufosinate-tolerance cotton. World Cotton Research Conference II. Athens, Greece. Sep. 7. (Invited)
 29. Dotray, P.A. 1999. Roundup Ready cotton weed control systems in West Texas. Beltwide Cotton Conferences. Orlando, FL. Jan. 6.
 30. Dotray, P.A. 1999. Influence of application timing and method on diclosulam efficacy in West Texas peanut. Southern Weed Science Society. Greensboro, NC. Jan. 27.
 31. Dotray, P.A. 1999. Tolerance and weed control with dinitroaniline herbicides in West Texas peanut. American Peanut Research and Education Society Conference. Savannah, GA. Jul. 14.
 32. Dotray, P.A. 2000. Use of preemergence and postemergence residual herbicides in Roundup Ready (Glyphosate-Tolerance) cotton. Beltwide Cotton Conferences. San Antonio, TX. Jan. 7.
 33. Dotray, P.A. 2000. Weed management in Texas peanut with diclosulam. Southern Weed Science Society. Tulsa, OK. Jan. 26.
 34. Dotray, P.A. 2000. Performance of diclosulam in Texas peanut. American Peanut Research and Education Society. Point Clear, AL. Jul. 12.
 35. Dotray, P.A. 2001. Performance of Liberty-tolerant cotton in West Texas. Beltwide Cotton Conferences. Anaheim, CA. Jan. 12.
 36. Dotray, P.A. 2001. Weed management systems in glufosinate tolerant cotton. Southern Weed Science Society. Biloxi, MS. Jan. 22.
 37. Dotray, P.A. 2001. Peanut injury by diclosulam in West Texas. Western Society of Weed Science. Coeur d'Alene, ID. Mar. 13.
 38. Dotray, P.A. 2002. Weed management systems in Liberty-, Roundup-, and Buctril-tolerant cotton. Beltwide Cotton Conferences. Atlanta, GA. Jan. 11.

39. Dotray, P.A. 2002. Cotton response to imazapic and imazethapyr. Southern Weed Science Society. Atlanta, GA. Jan. 28.
40. Dotray, P.A. 2002. Weed control using a light-activated hooded sprayer. Western Society of Weed Science. Salt Lake City, UT. Mar. 13.
41. Dotray, P.A. 2003. Weed control systems in peanut with diclosulam postemergence. Southern Weed Science Society. Houston, TX. Jan. 29.
42. Dotray, P.A. 2003. Peanut tolerance to flumioxazin, diclosulam, and dimethenamid. American Peanut Research and Education Society. Clearwater, FL. Jul 9.
43. Dotray, P.A. 2004. Staple use in Liberty- and Roundup-tolerant cotton. Beltwide Cotton Conferences. San Antonio, TX. Jan 9.
44. Dotray, P.A. 2004. Cotton weed management systems with Ignite. Southern Weed Science Society. Memphis, TN. Jan. 27.
45. Dotray, P.A. 2004. What will be our future weed management options? Weed Science Society of America. Kansas City, MO. Feb. 12.
46. Dotray, P.A. 2004. Weed management and thermal dependence of resistance in glufosinate tolerant cotton. Western Society of Weed Science. Colorado Springs, CO. Mar. 9.
47. Dotray, P.A. 2004. Herbicide reduced rates for weed control in peanut. American Peanut Research and Education Society. San Antonio, TX. Jul. 14.
48. Dotray, P.A. 2005. Impact of Roundup Ready technology on cotton production in the U.S. Symposium: Sustainability of Glyphosate-Resistant Cotton Production. Proc Beltwide Cotton Conferences. New Orleans, LA. Jan. 6. (Invited)
49. Dotray, P.A. 2005. University response to issues associated with peanut injury and use of Strongarm and Valor. Southern Weed Science Soc. Charlotte, NC. Jan. 26. (Invited)
50. Dotray, P.A. 2005. Peanut response to AIM and ET. American Peanut Research and Education Society. Portsmouth, VA. Jul. 14.
51. Dotray, P.A. 2006. Transgenic cotton: Where we are and where we are going? Beltwide Cotton Conferences. San Antonio, TX. Jan. 5.
52. Dotray, P.A. 2006. Tolerance and weed control following Aim and ET in peanut. Southern Weed Science Society. San Antonio, TX. Jan. 24.
53. Dotray, P.A. 2006. Weed control in peanut with reduced herbicide rates. Weed Science Society of America. New York City, NY. Feb 15.
54. Dotray, P.A. 2006. Peanut response and weed control with Cobra. American Peanut

- Research and Education Society. Savannah, GA. Jul. 13.
55. Dotray, P.A. 2007. Peanut tolerance to Cobra in Texas and Georgia. Southern Weed Science Society. Nashville, TN. Jan 24.
 56. Dotray, P.A. 2007. Does Basagran safen peanut injury from Cobra? American Peanut Research and Education Society. Birmingham, AL. Jul. 12.
 57. Dotray, P.A. 2007. Glufosinate-tolerant Cotton: What have we learned in three years of commercial use on the Texas Southern High Plains? World Cotton Research Conference IV. Lubbock, TX. Sep 11.
 58. Dotray, P.A. 2008. Strip-till, no-till, and conventional till weed management systems in the Texas Southern High Plains. Beltwide Cotton Conferences. Nashville, TN. Jan. 11.
 59. Dotray, P.A. 2008. Weed control in strip-tillage, no-tillage, and conventional tillage systems in the Texas High Plains. Southern Weed Science Society. Jacksonville, FL. Jan 30.
 60. Dotray, P.A. 2008. Weed management in LibertyLink cotton: The first four years. Weed Science Society of America. Chicago, IL. Feb. 6.
 61. Dotray, P.A. 2008. Peanut response to paraquat and S-metolachlor applied in tank mix combinations. American Peanut Research and Education Society. Oklahoma City, OK. Jul. 17.
 62. Dotray, P.A. 2009. Tolerance and efficacy using herbicide combinations in stacked glufosinate/glyphosate tolerant cotton. Beltwide Cotton Conferences. San Antonio, TX. Jan. 7.
 63. Dotray, P.A. 2009. Agronomic performance and herbicide efficacy in stacked glufosinate/glyphosate tolerant cotton. Weed Science Society of America and Southern Weed Science Society joint meeting. Orlando, FL. Feb. 11.
 64. Dotray, P.A. 2009. Peanut response to flumioxazin. American Peanut Research and Education Society. Raleigh, NC. Jul. 15.
 65. Dotray, P.A. 2009. Peanut response to fomesafen. American Peanut Research and Education Society. Raleigh, NC. Jul. 16.
 66. Dotray, P.A. 2010. Palmer amaranth control in three cotton tillage systems. Beltwide Cotton Conferences. New Orleans, LA. Jan 6.
 67. Dotray, P.A. 2010. Glyphosate-resistant common waterhemp confirmed in Texas. Beltwide Cotton Conferences. New Orleans, LA. Jan 6.
 68. Dotray, P.A. 2010. Tank mix combinations of glyphosate and glufosinate in GlyTol plus LibertyLink cotton. Beltwide Cotton Conferences. New Orleans, LA. Jan 7.

69. Dotray, P.A. 2010. Peanut response to flumioxazin in the Texas High Plains. Southern Weed Science Society. Little Rock, AR. Jan. 26.
70. Dotray, P.A. 2010. Strategies for using glyphosate and glufosinate in GlyTol plus LibertyLink cotton. Weed Science Society of America. Denver, CO. Feb. 8.
71. Dotray, P.A., J.W. Keeling, J. Johnson, J.D. Reed, and L.V. Gilbert. 2010. Effective and economical control of morningglory species in glyphosate-tolerant cotton. Cotton Economics Research Institute / International Cotton Research Center Joint Research Symposium. Lubbock, TX. Apr. 6.
72. Dotray, P.A. 2010. Peanut tolerance and weed control following fomesafen applied at different rates and timings in Texas. American Peanut Research and Education Society. Clearwater Beach, FL. Jul 14.
73. Dotray, P.A. 2010. Utility of flumioxazin in Texas Peanut. American Peanut Research and Education Society. Clearwater Beach, FL. Jul 14.
74. Dotray, P.A. 2011. Control of ivyleaf morningglory in GlyTol plus LibertyLink cotton. Beltwide Cotton Conferences. Atlanta, GA. Jan 7.
75. Dotray, P.A. 2011. Control of Ivyleaf Morningglory in GlyTol⁷ Plus LibertyLink[®] Cotton. Southern Weed Science Society. San Juan, PR. Jan. 25.
76. Dotray, P.A. 2011. Peanut response to fomesafen applied at different timings and rates. Weed Science Society of America. Portland, OR. Feb. 7 & 8.
77. Dotray, P.A., J.W. Keeling, and J. Johnson. 2011. Synergistic/Antagonistic effects of glyphosate and glufosinate in tank mixture in GlyTol plus LibertyLink cotton. Cotton Economics Research Institute / International Cotton Research Center Joint Research Symposium. Lubbock, TX. Mar. 29.
78. Dotray, P.A. 2011. Peanut response to Ignite (glufosinate) in Texas - 2010. American Peanut Research and Education Society. San Antonio, TX. Jul. 13.
79. Dotray, P.A. 2011. Peanut tolerance and weed control with Valor SX and Gramoxone Inteon tank mix combinations. American Peanut Research and Education Society. San Antonio, TX. Jul. 13.
80. Dotray, P.A. 2011. Weed management in sorghum: Current and future technologies. Sorghum Research/Extension Symposium. Texas Tech University. Lubbock, TX. Jul. 21.
81. Dotray, P.A. 2012. Weed management systems in cotton in the Texas High Plains. Beltwide Cotton Conferences. Orlando, FL. Jan 5.
82. Dotray, P.A. 2012. Huskie: A new tool for weed management in sorghum. Southern Weed Science Society. Charleston, SC. Jan 24.

83. Dotray, P.A. 2012. Peanut tolerance and weed control with Warrant. American Peanut Research and Education Society. Raleigh, NC. Jul 12.
84. Dotray, P.A. 2013. Cotton weed management: Past, present, and future. Beltwide Cotton Conferences. San Antonio, TX. Jan 9.
85. Dotray, P.A. 2014. Bollgard II XtendFlex™ Cotton weed management systems in the Texas High Plains. Beltwide Cotton Conferences. New Orleans, LA. Jan 10.
86. Dotray, P.A. 2014. Weed management systems in Bollgard II XtendFlex™ Cotton in the Texas High Plains. Southern Weed Science Society. Birmingham, AL. Jan. 28.
87. Dotray, P.A. 2014. Weed management systems in Bollgard II XtendFlex™ Cotton in the Texas High Plains. Vancouver, BC. Feb. 4.
88. Dotray, P.A. 2015. Peanut response to pyraflufen-ethyl applied postemergence. Southern Weed Science Society. Savannah, GA. Jan. 27.
89. Dotray, P.A. 2015. Peanut response to glyphosate + dicamba drift at different growth stages. Weed Science Society of America. Lexington, KY. Feb. 10.
90. Dotray, P.A. 2015. Influence of glyphosate + dicamba drift on peanut growth and development. American Peanut Research and Education Society. Charleston, SC. Jul. 16.
91. Dotray, P.A. 2016. Potential use of pyroxasulfone in peanut in the southwest. American Peanut Research and Education Society. Clearwater Beach, FL. Jul. 13.
92. Dotray, P.A. 2017. Influence of glufosinate rate and residual herbicides in a sequential postemergence program. Southern Weed Science Society. Birmingham, AL. Jan. 25.
93. Dotray, P.A. 2017. Weed management systems in Enlist cotton in the Texas High Plains. Weed Science Society of America. Tucson, AZ. Feb. 8.
94. Dotray, P.A. 2018. Field evaluations of HPPD-inhibitor tolerant cotton in western Texas. Beltwide Cotton Conferences. San Antonio, TX. Jan. 4.
95. Dotray, P.A. 2018. Performance of HPPD-inhibitor tolerant cotton in western Texas. Southern Weed Science Society. Atlanta, GA. Jan. 24.
96. Dotray, P.A. 2018. Peanut response to Anthem Flex applied preemergence, at cracking, or postemergence. American Peanut Research and Education Society. Williamsburg, VA. Jul. 11.
97. Dotray, P.A. 2019. Peanut response to diclosulam preemergence, cracking, or postemergence. American Peanut Research and Education Society. Auburn, AL. Jul. 10.
98. Dotray, P.A. 2020. Peanut response to diclosulam in Texas. American Peanut Research and Education Society. Virtual Meeting. Jul 14-19.

99. Dotray, P.A. 2021. Peanut response to multiple exposures of low rates of Enlist Duo[®]. American Peanut Research and Education Society. Virtual Meeting. Jul 12-16.
100. Dotray, P.A. 2022. Update on herbicide-resistant weeds and management challenges in 2022. Cotton Consultants Conference of the Beltwide Cotton Conferences. San Antonio, TX. Jan 4.

Principal Subject Matter for Teaching:

Principles of Weed Science; Mode and Mechanism of Herbicide Action; RaiderReady.

Formal Courses Taught (1993-2000):

	1993	1994	1995	1996	1997	1998	1999	2000	TOTAL
RRP 1100		23	25	2	26	25	20	27	150
PSS 4001		2	5	2		2	3	2	16
PSS 4324				13					13
PSS 4421- 001	25	23	13				23	12	96
PSS 4421- D01				19	14	26			59
PSS 5001		2	3					2	7
PSS 5324- 001		10		8		13		9	40
PSS 5429- 001		2	8	3	3	4	2	2	24
PSS 6001			3			5	6	6	20

Workshops (Conducted/Organized) (Career Total of 19):

1. Dotray, P.A. and J. W. Keeling. 1997. Herbicide symptomology and weed control in High Plains cotton. Texas Agricultural Extension Service County Extension Agent and County Extension Agent-Integrated Pest Management Training. Lubbock, TX. Jun. 26.
2. Boman, R., P.A. Dotray, W. Keeling, T. Wheeler, J. Leser, H. Kaufman, J. Bordovsky, J. Gannaway, and N. W. Hopper. 1998. Optimizing production workshop. Beltwide Cotton Conferences. San Diego, CA. Jan. 7.
3. Baumann, P., P.A. Dotray, T. Baughman, B. Bean, B. Warrick, C. Salisbury, and W. Keeling. 1998. Weed science short course. Texas Agricultural Extension Service. Lubbock, TX. Jun. 29-30.
4. Dotray, P. A., J. W. Keeling, T. Driver, and J. Driver. 1998. Weed science training. Novartis. Lubbock, TX. Lubbock, TX. Jun. 24.
5. Dotray, P. A., P. Baumann, T. Baughman, and B. Bean. 2000. Weed science short course. Texas Agricultural Extension Service. Lubbock, TX. Jun. 26-27.
6. Dotray, P. A., J. D. Everitt, L. L. Lyon, J. Karnei, B. L. Porter, and A. Peters. 2000. Weed identification and herbicide symptomology. West Texas Agricultural Chemicals Institute. Lubbock, TX. Aug. 30.
7. Dotray, P. A., P. Baumann, T. Baughman, B. Bean, and J. W. Keeling. 2002. Weed Science Short Course. Texas Cooperative Extension. Lubbock, TX. Jun. 18-19.
8. Dotray, P.A. and B. Bean. 2002. Weed Science Workshop. West Texas Agricultural Chemicals Institute. Lubbock, TX. Aug. 28.
9. Dotray, P. A., P.A. Baumann, B. Bean, T. Baughman, and W. Keeling. 2005. Weed Science Workshop. Texas Cooperative Extension Agent Training. Lubbock, TX. Jun. 14.
10. Baumann, P.A., P.A. Dotray, and B. Bean. 2006. Weed Science Training. Texas Cooperative Extension Agent Training. Lubbock, TX. Apr. 11.
11. Baughman, T.A., P.A. Dotray, and P.A. Baumann. 2013. Weed Science Training for Oklahoma and Texas County Agents. Ardmore, OK. Sep. 19.
12. Dotray, P.A., T.S. Morris, and M.R. Manuchehri. 2014. Dow AgroSciences Technology Center - Lubbock. New Deal, TX. Sep. 9-19.
13. Manuchehri, M.R., S.L. Taylor, and P.A. Dotray. 2015. Dow AgroSciences Diamond Showcase. New Deal, TX. Aug. 18-21.
14. Dotray, P.A. and S.L. Taylor. 2015. Herbicide symptomology demonstration. Bayer CropScience, Monsanto, Helena. Lubbock, TX. Aug 12-18.
15. Dotray, P.A. 2016. Sorghum herbicide symptomology. Texas A&M AgriLife Extension

Service – County Agents and IPM Agents. Lubbock, TX. July 27.

16. Dotray, P.A. 2017. Update on XtendFlex and Enlist Cotton, dicamba symptomology, successful weed management in cotton. Texas A&M AgriLife Extension Service – County Agents and IPM Agents. Lubbock, TX. July 26.
17. Dotray, P.A. 2018. Weed resistance management and an update on XtendFlex and Enlist Cotton; Auxin-induced cotton symptomology. Texas A&M AgriLife Extension Service – County Agents and IPM Agents. New Deal, TX. July 25.
18. Dotray, P.A. 2019. Weed management update in cotton, sorghum, and sesame; An update on XtendFlex and Enlist Cotton; Auxin-induced cotton symptomology. Texas A&M AgriLife Extension Service – County Agents and IPM Agents. New Deal, TX. July 23.
19. Woolard, M.A. and P.A. Dotray. 2024. Herbicide Symptomology. Texas Department of Agriculture. Lubbock, TX. Aug 9.

Graduate Students Directed (Career Total of 48):

M.S. (Total of 32)

1. Asher, Scott. 1998. Utility of Roundup Ready cotton, BXN cotton, and pyriithiobac in conventional and conservation tillage systems. M.S. Thesis. Department of Plant and Soil Science. Texas Tech University. May. 56 p. (Co-Advisor with J. W. Keeling.)
2. Blair, Leslie K. 1999. Glufosinate-tolerant cotton: Tolerance and weed management. M.S. Thesis. Department of Plant and Soil Science. Texas Tech University. Dec. 62 p. (Co-Advisor with J. W. Keeling.)
3. Osborne, T. Shane. 1999. Preemergence/postemergence pyriithiobac combinations control red morningglory and devil's-claw in cotton. M.S. Thesis. Department of Plant and Soil Science. Texas Tech University. Aug. 62 p. (Co-Advisor with J. W. Keeling)
4. Sebastian, Bryant. 1999. Herbicide tolerance during seedling establishment in cool and warm season turfgrass. M.S. Thesis. Department of Plant and Soil Science. Texas Tech University. May. 32 p. (Co-Advisor with D. L. Auld.)
5. Sheikh, Tehmina. 1999. Optimizing woollyleaf bursage (*Ambrosia grayi*) control by *Pseudomonas syringae* pv. *tagetis*. M.S. Thesis. Department of Plant and Soil Science. Texas Tech University. Dec. 91 p. (Co-Advisor with T. A. Wheeler.)
6. Everitt, John. 2000. Perennial weed management in herbicide-tolerant cotton varieties with glyphosate and bromoxynil. M.S. Thesis. Department of Plant and Soil Science. Texas Tech University. Dec. 66 p. (Co-Advisor with J. W. Keeling.)
7. Lyon, LeAnna (Smith). 2001. Weed management with the computer-based herbicide application decision support system (HADSS) program. M.S. Thesis. Department of Plant and Soil Science. Texas Tech University. May. 114 p. (Co-Advisor with J. W. Keeling)

8. Helm, Allan. 2002. Weed management in conservation tillage using glyphosate in glyphosate-tolerant cotton systems. M.S. Thesis. Department of Plant and Soil Science. Texas Tech University. Aug. 70 p. (Co-Advisor with J. W. Keeling)
9. Karnei, Jarred. 2002. Efficacy and crop response to diclosulam in West Texas peanut. M.S. Thesis. Department of Plant and Soil Science. Texas Tech University. May. 120 p. (Co-Advisor with J. W. Keeling)
10. Burns, Brent. 2003. Tolerance and weed control using elite glufosinate-tolerant cotton. M.S. Thesis. Department of Plant and Soil Science. Texas Tech University. Aug. (Co-Advisor with J. W. Keeling)
11. Murphree, Trent. 2003. Varietal tolerance to diclosulam and flumioxazin in Texas peanut. M.S. Thesis. Department of Plant and Soil Science. Texas Tech University. Aug. (Co-Advisor with J. W. Keeling)
12. McCormick, Marty. 2005. Comparison of glufosinate-tolerant, glyphosate-tolerant, and non-transgenic cotton weed control systems. M.S. Thesis. Department of Plant and Soil Science. Texas Tech University. May. (Co-Advisor with J. W. Keeling)
13. Joy, Brandon. 2005. Application timings and rates in Roundup Ready Flex cotton. M.S. Thesis. Department of Plant and Soil Science. Texas Tech University. May. (Co-Advisor with J. W. Keeling)
14. Braden, Zach. 2005. Crop tolerance and weed management in glyphosate-tolerant alfalfa. M.S. Thesis. Department of Plant and Soil Science. Texas Tech University. Dec . (Co-Advisor with J. W. Keeling).
15. Ford, Adam. 2007. Site-specific weed management in cotton and peanut using WebHADSS. M.S. Thesis. Department of Plant and Soil Science. Texas Tech University. May. (Co-Advisor with J. W. Keeling)
16. Batla, Max. 2007. Palmer amaranth and ivyleaf morningglory management in enhanced glyphosate-resistant cotton. M.S. Thesis. Department of Plant and Soil Science. Texas Tech University. May. (Co-Advisor with J. W. Keeling)
17. Schwertner, Matt. 2008. Weed management in strip-tillage cotton. M.S. Thesis. Department of Plant and Soil Science. Texas Tech University. May. (Co-Advisor with J. W. Keeling)
18. Verett, Kris. 2009. Cotton and weed response to propazine/glyphosate combinations. M.S. Thesis. Department of Plant and Soil Science. Texas Tech University. Aug. (Co-Advisor with J.W. Keeling)
19. Brown, Brent. 2010. Sorghum response and weed management with saflufenacil. M.S. Thesis. Department of Plant and Soil Science. Texas Tech University. May. (Co-Advisor with J.W. Keeling)

20. Bloodworth, Andrew. 2010. Weed management and economics in cotton tillage systems. M.S. Thesis. Department of Plant and Soil Science. Texas Tech University. Aug. (Co-Advisor with J.W. Keeling)
21. Young, Andrew W. 2012. Continuous canopy temperature as a tool for managing deficit irrigation. M.S. Thesis. Department of Plant and Soil Science. Texas Tech University. Dec. (Co-Advisor with James Mahan)
22. Cave, Justin. 2013. Cotton lint yield, fiber quality, and water use efficiency as influenced by cultivar and irrigation level. M.S. Thesis. Department of Plant and Soil Science. Texas Tech University. May. (Co-Advisor with J.W. Keeling)
23. Spradley, Justin. 2014. Weed management in Bollgard II XtendFlex cotton. M.S. Thesis. Department of Plant and Soil Science. Texas Tech University. May. (Co-Advisor with J.W. Keeling)
24. Webb, Joel. 2015. Crop tolerance and weed management with pyroxasulfone in agronomic crops. Department of Plant and Soil Science. Texas Tech University. Aug. (Co-Advisor with J.W. Keeling)
25. Russell, Kyle. 2019. Weed management systems in auxin tolerant cotton and non-auxin tolerant cotton response to simulated dicamba drift. Department of Plant and Soil Science. Texas Tech University. Dec.
26. Ogden, Grace. 2020. The influence of glufosinate in auxinic-based herbicide systems. M.S. Thesis. Department of Plant and Soil Science. Texas Tech University. Dec.
27. Foster, Delaney. 2021. Crop Response, Weed Management Systems, and Tank Mix Partners with Isoxaflutole in HPPD Tolerant Cotton. M.S. Thesis. Department of Plant and Soil Science. Texas Tech University. May.
28. Torres, Ubaldo. 2021. Use of Unmanned Aerial Systems for Detecting Herbicide Injury in Cotton. M.S. Thesis. Department of Plant and Soil Science. Texas Tech University. Aug.
29. Smith, Maxwell. 2023. GLIXTP cotton response and weed management systems using isoxaflutole. M.S. Thesis. Department of Plant and Soil Science. Texas Tech University. Aug.
30. Patton, Blaine. 2023. Control of annual grasses using new sorghum herbicides. M.S. Thesis. Department of Plant and Soil Science. Texas Tech University. Dec
31. Mixson, J.R. 2024. Palmer amaranth management and crop response following topramezone in HPPD tolerant cotton. M.S. Thesis. Department of Plant and Soil Science. Texas Tech University. May.
32. Mills, Megan. 2024. AxantTM Flex cotton response and residual weed management using HPPD inhibiting herbicides. M.S. Thesis. Department of Plant and Soil Science. Texas

Tech University. Aug.

Ph.D. (Total of 8)

1. Light, Ginger. 1999. Thermal dependence of pyriithobac efficacy in *Amaranthus palmeri*. Ph.D. Dissertation. Department of Plant and Soil Science. Texas Tech University. Dec. 97 p. (Co-Advisor with J. R. Mahan)
2. Peters, Alan. 2003. Evaluation of weed control and economic benefit of a light-activated weed sprayer. Ph.D. Dissertation. Department of Plant and Soil Science. Texas Tech University. Dec. (Co-Advisor with Wayne Keeling)
3. Lyon, LeAnna. 2004. Cotton and grain sorghum response to drift rates of glyphosate. Ph.D. Dissertation. Department of Plant and Soil Science. Texas Tech University. Aug. (Co-Advisor with Wayne Keeling)
4. Reed, Jacob. 2012. Palmer amaranth and ivyleaf morningglory management in GlyTol plus LibertyLink Cotton. Ph.D. Dissertation. Department of Plant and Soil Science. Texas Tech University. Aug. (Co-Advisor with Wayne Keeling)
5. Asher, B. Scott. 2016. Vertical mobility, soil adsorption, and cotton tolerance to three PPO herbicides in three West Texas soils. Ph.D. Dissertation. Department of Plant and Soil Science. Texas Tech University. May.
6. Manuchehri, Misha. 2016. Influence of water quality on glyphosate performance and evaluation of EnlistTM weed control systems in Texas High Plains cotton. Ph.D. Dissertation. Department of Plant and Soil Science. Texas Tech University. Aug.
7. Merchant, Rand. 2019. Management of glyphosate-resistant Palmer amaranth in west Texas. Ph.D. Dissertation. Department of Plant and Soil Science. Texas Tech University. May.
8. Russell, Kyle. 2023. Cotton response to simulated 2,4-D drift. Ph.D. Dissertation. Department of Plant and Soil Science. Texas Tech University. May.

Non-Thesis (Total of 8)

1. Reed, Billy Frank. 1995. Non-thesis. Master of Agriculture. Department of Plant and Soil Science. Texas Tech University.
2. McLaughlin, Christina. 2003. Non-thesis. Master of Agriculture. Department of Plant and Soil Science. Texas Tech University.
3. Hughes, David. 2011. Distant Student. M.S. in Crop Science, Non-Thesis. Department of Plant and Soil Science. Texas Tech University. May.
4. Harper, Chresty. 2012. Distant Student. M.S. in Crop Science, Non-Thesis. Department of Plant and Soil Science. Texas Tech University. May.
5. Allworth, Amanda. 2012. Distant Student. M.S. in Crop Science, Non-Thesis.

Department of Plant and Soil Science. Texas Tech University. May.

6. McCullum-Fowler, Amanda. 2012. Distant Student. M.S. in Crop Science, Non-Thesis. Department of Plant and Soil Science. Texas Tech University. August.
7. Faggard, Charles. 2012. Distant Student. M.S. in Crop Science, Non-Thesis. Department of Plant and Soil Science. Texas Tech University. December.
8. Morris, Shay. 2014. M.S. Student, Non-Thesis. Department of Plant and Soil Science. Texas Tech University. May.

Graduate Students in Progress (Total of 3):

M.S. (Total of 0)

None

Ph.D. (Total of 2)

1. Singletary, Megan Mills. Integrated weed management for organic and conventional cotton in the Texas High Plains. Ph.D. Dissertation. Department of Plant and Soil Science. Texas Tech University.
2. Woolard, Matthew Cole Evaluation of Liberty ULTRA and topramezone in an Axant™ Flex Cotton System. Ph.D. Dissertation. Department of Plant and Soil Science. Texas Tech University.

Non-Thesis (Total of 0)

Graduate Committees (Career Total of 43):

M.S. (Total of 26)

1. Madis, Beth R. 1994. Reducing environmental impacts with energy saving concepts for the home. M.S. Thesis. Environmental Technology Management. Texas Tech University. Dec.
2. Slowik, Theodore J. 1995. The response of the red imported fire ant, *Solenopsis invicta* Buren, to electricity and magnetism. M.S. Thesis. Department of Plant and Soil Science. Texas Tech University. Dec.
3. Struve, Tullie. 1996. The effect of polymer film coatings on cotton seed imbibition, germination, and seedling performance. M.S. Thesis. Department of Plant and Soil Science. Texas Tech University. May.
4. Bodden, Beth. 1997. Establishment and movement of the cotton boll weevil on the High Plains. M.S. Thesis. Department of Plant and Soil Science. Texas Tech University. Dec.
5. Mullins, Susan. 1998. Management and ecology of redberry juniper in the Texas Rolling Plains. M.S. Thesis. Department of Range, Wildlife, and Fisheries Management. Texas Tech University. May.

6. Bextine, Blake. 1998. *Beauveria bassiana* as biological control of the Red Imported Fire Ant. M.S. Candidate. Department of Plant and Soil Science. Texas Tech University. Aug.
7. Missaoui, Ali M. 1998. Effect of humic acid and seaweed extract on growth, quality, and stress tolerance of brome grasses. M.S. Thesis. Department of Plant and Soil Science. Texas Tech University. Aug.
8. Holmes, Dave. 1998. Management and ecology of willow baccharis in the Texas Rolling Plains. M.S. Candidate. Department of Range, Wildlife, and Fisheries Management. Texas Tech University. Dec.
9. Gordon, James A. 1999. The value of lateral roots to early season growth and development of cotton. M.S. Thesis. Department of Plant and Soil Science. Texas Tech University. May.
10. Arnold, Mark. 1999. Natural mortality of the bollworm in Texas High Plains cotton. M.S. Thesis. Department of Plant and Soil Science. Texas Tech University. Aug.
11. Duesterhaus, Ben. 2000. Laboratory test to determine cold tolerance of cotton seedlings. M.S. Candidate. Department of Plant and Soil Science. Texas Tech University. May.
12. Fox, Russell. 2000. Management and monitoring of invasive plant species following a summer wildfire in the Rolling Plains. M.S. Thesis. Department of Range, Wildlife, and Fisheries Management. Texas Tech University. Dec.
13. Haney, Phil. Non-thesis. 2005. Department of Plant and Soil Science. Texas Tech University. May.
14. Shawn Brewer. 2005. Evaluation of transition and preemergence herbicides on turfgrass. Department of Plant and Soil Science. Texas Tech University. Dec.
15. Crystal Smith. 2005. Overcoming dormancy in *Helianthus annuus* and *Echinacea purpurea*. Department of Plant and Soil Science. Texas Tech University. Dec.
16. Barman, Apurba K. 2006. Behavioral ecology of *Lygus hesperus* Knight with respect to host selection and damage to cotton. Department of Plant and Soil Science. Texas Tech University. Dec.
17. Hephner, A.J. 2011. Response of khakiweed to mowing heights, compaction, and herbicides. Department of Plant and Soil Science. Texas Tech University. Aug.
18. Cooper, F.T. 2012. Cultural and chemical control of bermudagrass in bentgrass greens. Department of Plant and Soil Science. Texas Tech University. May.
19. Spinhirne, Bruce. 2012. Yield and quality response of corn silage genotypes under reduced irrigation in the Texas High Plains. Department of Plant and Soil Science. Texas Tech University. May.

20. Young, Andrew. 2012. Continuous canopy temperature as a tool for managing deficit irrigation. Department of Plant and Soil Science. Texas Tech University. Dec.
21. Davis, Loren Casey. 2014. Drought tolerance in multiple cotton varieties. Department of Plant and Soil Science. Texas Tech University. Dec.
22. Shockey, Jonathan. 2016. Investigating the application of several commercial harvest aids on guar (*Cyamopsis tetragonoloba* (L.) Taub.) and the possible effects on gum content and quality. Department of Plant and Soil Science. Texas Tech University.
23. Johnson, Mark. 2017. Investigating the use of airborne environmental DNA to characterize local plant communities. Department of Natural Resource Management. Texas Tech University.
24. Gregory, Ryan. 2017. Visual field screening strategy to detect unintentional presence of genetically engineered traits in conventional cotton breeding nurseries. Department of Plant and Soil Science. Texas Tech University. Dec.
25. White, Ramzi Blake. 2017. Plant growth regulators on creeping bentgrass putting greens. Department of Plant and Soil Sciences. Texas Tech University. Dec.
26. DeLong, Brice. 2020. Weed efficacy and economics in cotton trait systems. Department of Plant and Soil Science. Texas Tech University. May.

Non-Thesis (Total of 4)

1. Sallee, Joshua. 2006. Master of Agriculture. Department of Plant and Soil Science. Texas Tech University. May.
2. Hart, Jesse. 2008. Master of Agriculture. Department of Plant and Soil Science. Texas Tech University. Dec.
3. Smith, Sherry. 2015. M.S. in Horticulture At-A-Distance, Non-Thesis. Department of Plant and Soil Science. Texas Tech University. Dec.
4. Wesley, Garrett. 2023. M.S. Non-Thesis in Plant and Soil Science. Department of Plant and Soil Science. Texas Tech University. May.

Ph.D. (Total of 13)

1. Yilmaz, Ibrahim. 1994. The influences of seasonal precipitation on root and canopy development of broom snakeweed (*Gutierrezia sarothrae*). Ph.D. Dissertation. Department of Range and Wildlife Management. Texas Tech University. May.
2. Roxas, Virginia P. 1996. Analysis of the role of glutathione-S transferases in plant metabolism. Ph.D. Dissertation. Department of Plant and Soil Science. Texas Tech University. Dec.
3. Melton, Kenny. 1998. Economic effects of reduced herbicide use and behavior of Staple

- herbicide in select soils. Ph.D. Dissertation. Department of Plant and Soil Science. Texas Tech University. Aug.
4. Becker, David. 2004. Evaluation of transgenic cotton lines tolerant to glufosinate, bromoxynil, and both glufosinate and bromoxynil. Ph.D. Dissertation. Department of Plant and Soil Science. Texas Tech University. May.
 5. Cutts, III, George S. (Trey). 2013. Genetic analysis, inheritance and stability of mutation-based herbicide tolerance in cotton (*Gossypium hirsutum* L.). Ph.D. Dissertation. Department of Soil and Crop Science. Texas A&M University. Dec.
 6. McGinty, Joshua. 2014. Occurrence and management of glyphosate resistant *Amaranthus* weed species in central Texas cotton and evaluation of spray droplet spectra as affected by nozzle design and herbicide formulation. Ph.D. Dissertation. Department of Soil and Crop Science. Texas A&M University. May.
 7. Cason, John. 2018. Drought tolerance pathway for the introgression of peanut (*Arachis hypogea* L.). Ph.D. Dissertation. Department of Soil and Crop Science. Texas A&M University. Dec.
 8. Thompson, Corey. 2019. Proximal remote sensing of cotton growth habits in water use efficiency trials. Department of Plant and Soil Science. Texas Tech University. Dec.
 9. White, Ray. 2021. Cover crop and weed management strategies in no-tillage cotton systems in the Texas High Plains. Department of Plant and Soil Science. Texas Tech University. May
 10. Johnson, Mark. 2022. Analyzing the ecology and utility of airborne eDNA for species monitoring. Ph.D. Student. Department of Natural Resource Management. Texas Tech University. May.
 11. Kezar, Sarah. 2023. Development of Integrated Tactics for Palmer Amaranth Seedbank Management in Cotton. Ph.D. Soil and Crop Science. Texas A&M University. May.
 12. Hamberg, Ryan. Integrating novel non-chemical weed management tactics in Texas row crops. Ph.D. Dissertation. Department of Soil and Crop Sciences. Texas A&M University.
 13. Brito Bello, Alethia. Isolation and characterization of pesticidal bioactive compounds from aged green microalgae cultures. Ph.D. Dissertation. Department of Plant and Soil Science. Texas Tech University.

Undergraduate Research Mentor (Career Total of 1):

1. Dawson, K.R. 2003-2004, SSI, SSII, Fall 2004. Characterization of the thermal dependence of bioengineered glufosinate resistance in cotton. Funded by Texas Tech University Honors College Undergraduate Research Fellowship and the Weed Science Society of America Undergraduate Research Award. (Co-advised by Dr. J.R. Mahan).

Student Awards Directed (Career Total of 47):

1. Light, G.G. 1999. Southern Weed Science Society annual meeting. Ecological and Physiological Aspects of Weed Management section. First place paper entitled 'Characterization of acetolactate synthase in Palmer amaranth (*Amaranthus palmeri*)'. Greensboro, NC.
2. Sheikh, T. 1999. Western Society of Weed Science annual meeting. Poster Section One. Third place poster entitled 'Control of woollyleaf bursage (*Ambrosia grayi*) with *Pseudomonas syringae* pv. *Tagetis*'. Colorado Springs, CO.
3. Lyon, L.L. 2001. Southern Weed Science Society annual meeting. Agronomic Crops section. Second place paper entitled 'Cotton HADSS: A two-year validation on the Texas Southern High Plains'. Biloxi, MS.
4. Braden, Z.H. 2004. Southern Weed Science Society annual meeting. Poster Section One. Second place poster entitled 'Crop tolerance and weed management in Roundup Ready alfalfa'. Memphis, TN.
5. Lyon, L.L. 2004. Southern Weed Science Society annual meeting. Agronomic Crops section. Second place paper entitled 'Glyphosate drift on irrigated and dryland cotton'. Memphis, TN.
6. McCormick, K.M. 2005. Weed Science Conference of the Beltwide Cotton Conferences. Second place paper entitled 'LibertyLink Cotton: An Economic Comparison to Roundup Ready and Conventional Cotton'. New Orleans, LA.
7. McCormick, K.M. 2005. Southern Weed Science Society annual meeting. Graduate Student Presentation Session I. Second place paper entitled 'An economic comparison of LibertyLink, Roundup Ready, and conventional cotton'. Charlotte, NC.
8. Batla, M.A. 2006. Southern Weed Science Society annual meeting. Graduate Student Poster Presentation. First place poster entitled 'Management systems for Ivyleaf morningglory (*Ipomoea hederacea*) in Roundup Ready Flex cotton'. San Antonio, TX.
9. Schwertner, M.H. 2007. Southern Weed Science annual meeting. M.S. Student Poster Contest. Second place poster entitled 'Strip-till cotton: Weed management and economics'. Nashville, TN.
10. Bloodworth, A.J. 2009. Texas Tech University Graduate School 8th Annual Research Competition Agricultural Sciences and Natural Resources I. First place poster entitled 'Weed management and economics in cotton tillage systems in the Texas High Plains'. Lubbock, TX.
11. Reed, J.D. 2011. Weed Science Conference of the Beltwide Cotton Conferences. First place paper entitled 'Control of Palmer amaranth in GlyTol plus LibertyLink cotton'. Atlanta, GA.

12. Reed, J.D. 2011. Texas Tech University Tenth Annual Graduate Student Research Poster Competition. First place in Agricultural Sciences and Natural Resources Category 1. Title of poster: Control of Palmer amaranth in GlyTol plus LibertyLink cotton.
13. Spradley, J.L. 2012. Weed Science Conference of the Beltwide Cotton Conferences. Second place poster entitled 'Weed management in dicamba/glufosinate-tolerant cotton in the Texas High Plains'. Orlando, FL.
14. Reed, J.D. 2012. Southern Weed Science Society. First place paper in Ph.D. section entitled 'Palmer amaranth and morningglory management in glyphosate/glufosinate-tolerant cotton'. Charleston, SC.
15. Reed, J.D. 2012. Outstanding PhD Student in the Department of Plant and Soil Science.
16. Manuchehri, M.R. 2013. Texas Tech Annual Biological Sciences Symposium. Second Place Oral Presentation from the Department of Plant and Soil Science, titled 'Understanding the impacts of water quality on glyphosate efficacy in the Texas High Plains'.
17. Manuchehri, M.R. 2014. Weed Science Conference of the Beltwide Cotton Conferences. First Place Poster Presentation in PhD section, titled 'Non-2,4-D tolerant cotton response to drift and tank contamination'.
18. Manuchehri, M.R. 2015. Cotton Disease Council of the Beltwide Cotton Conferences. Third Place Oral Presentation in PhD section, titled 'Weed management considerations for control of southern root-knot nematode in cotton'.
19. Manuchehri, M.R. 2017. Outstanding Graduate Student – PhD. Southern Weed Science Society. Presented at the annual meeting in Birmingham, AL.
20. Ogden, Grace. 2018. Second place West Texas Agricultural Chemicals Institute Graduate Student Poster Contest.
21. DeLong, Brice. 2019. Second Place MS Poster Section. "Weed Management and Economics in Bollgard® II XtendFlex™ Cotton Systems". Weed Science Conference of the Beltwide Cotton Conferences - New Orleans, LA.
22. Ogden, Grace. 2019. Second Place Poster. "Managing Palmer Amaranth with Sequential Applications of Dicamba and Glufosinate with and without Acetochlor". Weed Science Society of America – New Orleans, LA.
23. Russell, Kyle. 2019. Second Place Poster. "Boll Distribution and Yield Response to Simulated Dicamba Drift on Non-Dicamba Tolerant Cotton". Weed Science Society of America – New Orleans, LA.
24. Ogden, Grace. 2019. Second Place Poster. "Sesame Response to Preemergence Herbicides". Texas Tech University 18th Annual Graduate Student Research Poster Competition.

25. Foster, Delaney. 2019. First Place. 5th Annual Three Minute Thesis Competition. Texas Tech University. <https://www.depts.ttu.edu/agriculturalsciences/news/posts/2019/11/pss-delaney-foster-in-weed-control-battle.php>
26. Foster, D., Ogden, G., Russell, K, and Torres, U. 2019. First Place Team Sprayer Calibration – Southern Weed Science Society. National Weed Science Contest. Seymour, IL.
27. Russell, Kyle. 2020. First Place Oral Paper. “Cotton fiber quality response following exposure to low rates of dicamba”. Southern Weed Science Society – Biloxi, MS
28. Foster, Delaney. 2020. Second Place (Tie) Oral Paper. “Crop tolerance and weed management utilizing isoxaflutole in HPPD tolerant cotton”. Southern Weed Science Society – Biloxi, MS.
29. Foster, D.C. 2020. Weed Science Society of America Travel Enrichment Experience (TEE) Award.
30. Foster, Delaney. 2021. First Place Oral MS Paper Competition - Weed Science Conference. Weed Management and Crop Response Using Isoxaflutole in HPPD Tolerant Cotton. Beltwide Cotton Conference virtual meeting.
31. Torres, Ubaldo. 2021. First Place Master’s Student Poster titled “Detecting 2,4-D injury using an unmanned aerial system”. Southern Weed Science Society virtual meeting.
32. Foster, Delaney. 2021. First Place Masters Student Oral Paper titled “Performance of isoxaflutole in HPPD tolerant cotton herbicide systems”. Southern Weed Science Society virtual meeting.
33. Russell, Kyle. 2021. Third Place PhD Student Poster Section One. Cotton varietal response to low rates of 2,4-D. Weed Science Society of America (virtual meeting).
34. Torres, Ubaldo. 2021. Second Place. Texas Tech University Graduate Student Research Poster Competition.
35. Russell, Kyle. 2021. First Place. Texas Tech University Graduate Student Research Poster Competition.
36. Torres, Ubaldo. 2021. First Place. Department of Plant and Soil Science Student Research Symposium.
37. Foster, Delaney C. 2022. Outstanding Graduate Student – MS. Southern Weed Science Society. Presented at the annual meeting in Austin, TX.
38. Smith, Maxwell. 2022. First Place Oral Presentation. Department of Plant and Soil Science Student Research Symposium.

39. Foster, Delaney C. 2022 Tereshkovich-Pilgrim Outstanding Graduate Student Award for Master of Science Students.
41. Mills, Megan. 2022. First Place Poster Presentation. Peanut response to diclosulam in the southwest. American Peanut Research and Education Society.
42. Russell, Kyle. 2023. Third Place PhD Student Oral Presentation. Does 2,4-D influence nutrient partitioning in cotton? Beltwide Cotton Conferences. New Orleans, LA.
43. Mills, Megan. 2023. First Place MS Student Oral Presentation. Efficacy of Alite™ when used preplant incorporated or preemergence. Southern Weed Science Society. Baton Rouge, LA.
44. Smith, Maxwell. 2023. First Place MS Student Oral Presentation. Preemergence control of *Amaranthus palmeri* with isoxaflutole combinations. Southern Weed Science Society. Baton Rouge, LA.
45. Russell, Kyle. 2023. Second Place PhD Student Oral Presentation. Response of cotton maturity groups to low rates of 2,4-D. Southern Weed Science Society. Baton Rouge, LA.
46. Mills, Megan. 2023. Second Place (tie). Texas Tech University Three Minute Thesis. Axant™ Flex Cotton Response to Armezon® in the Texas High Plains. Lubbock, TX.
47. Mills, Megan. 2023. Efficacy of isoxaflutole when applied preplant incorporated or preemergence. Second Place MS Poster Competition. Texas Plant Protection Association. College Station, TX.

External Support: Career Total - Account manager of \$5,224,958 (09/2021)

1. Chandler, J.M., C.D. Salisbury, and P.A. Dotray. 1993. Early water and light competition determines later plant competitive dominance. Research Enhancement Program. \$78,910. Funded/TAES.
2. Dotray, P.A. 1993. Carryover potential of cotton, corn, and sorghum herbicides in cowpeas, pinto beans, onions, potatoes, and watermelons. Texas Tech University Line Item on Vegetable Research (Seed Grant Proposal). \$22,200. Funded/TTU.
3. Dotray, P.A. and J.W. Keeling. 1993. Influence of tillage, herbicide application and irrigation on staple carryover. DuPont. \$3,000. Funded/TAES.
5. Dotray, P.A. 1994. Educational aid program. DuPont. \$6,000. Funded/TTU.
6. Dotray, P.A. 1994. Feasibility of flame cultivation as a means of weed control in cotton on the Texas Southern High Plains. Texas Railroad Commission. \$4,700. Funded/TAES.
7. Dotray, P.A., B.L. Allen, R. Andrews, and R.C. Tolman. 1994. Influence of herbicides, fertilizers, and salts on microbial populations in the soil after hydrocarbon and salt inputs.

- Exxon. \$5,000. Funded/TTU.
8. Dotray, P.A. and J.W. Keeling. 1994. Evaluate CGA-248757, Beacon, Bicep II and Bicep Lite and others on weed efficacy in West Texas. Ciba. \$10,000. Funded/TAES.
 9. Dotray, P.A. and J.W. Keeling. 1994. Evaluate common bermudagrass and lanceleaf sage control with Select and Cobra, respectively. Valent. \$2,500. Funded/TAEX.
 10. Dotray, P.A. and J.W. Keeling. 1994. Evaluate DPX-PE350 carryover and injury to rotational crops as influenced by tillage, irrigation, time of application, method of application, and rate in West Texas. DuPont. \$12,500. Funded/TAES.
 11. Dotray, P.A. and J.W. Keeling. 1994. Evaluate yellow and purple nutsedge control in peanuts. American Cyanamid Co. \$2,500. Funded/TAEX.
 12. Dotray, P.A. and J.W. Keeling. 1994. Evaluation of clomazone herbicide in cotton. FMC Corporation. \$4,000. Funded/TAES.
 13. Dotray, P.A. and J.W. Keeling. 1994. Predicting weed seed germination and emergence to maximize control in cotton with Staple. Texas State Support Committee. \$20,000. Funded/TTU.
 14. Keeling, J.W. and P.A. Dotray. 1994. Effects of Roundup herbicide on perennial weeds in cotton. \$3,000. Funded/TAES.
 15. Keeling, J.W. and P.A. Dotray. 1994. Herbicide efficacy demonstrations to evaluate pre-emergence and postemergence herbicides for broadleaf and grass control in corn, cotton, and grain sorghum for Ciba sales representatives. Ciba. \$1,500. Funded/TAES.
 16. Keeling, J.W., P.A. Dotray, and K. Hake. 1994. Field evaluation of Buctril-tolerant cotton. Calgene. \$3,000. Funded/TAES.
 17. Chandler, J.M., C.D. Salisbury, and P.A. Dotray. 1994. Early water and light competition determines later plant competitive dominance. Research Enhancement Program. (1994-95) \$78,910. (Account manager of \$15,602.). Funded/TAES.
 18. Dotray, P.A. 1995. Cotton tolerance to Cobra used in a season-long weed management program. Valent. \$5,000. Funded/TAEX.
 19. Dotray, P.A. 1995. Poast plus tank mix for rhizome Johnsongrass control in cotton; and weed control in peanut. BASF. \$6,000. Funded/TTU.
 20. Dotray, P.A. 1995. Weed identification and weed/crop symptomology from herbicide for Texas Tech University weed team. American Home Products. \$4,000. Funded/TTU.
 21. Dotray, P.A. and J.W. Keeling. 1995. Cadre nutsedge timing study. American Home Products. \$2,500. Funded/TAES.

22. Dotray, P.A. and J.W. Keeling. 1995. Develop demonstration plots for summer tours to evaluate preemergence and postemergence herbicides in sorghum, corn, and cotton. Ciba. \$1,500. (Account manager of \$750.). Funded/TAES.
23. Dotray, P.A. and J.W. Keeling. 1995. Efficacy of Command and phytotoxicity to cotton in sandy soils; weed control research in cotton, soybeans, peanuts, and field corn. FMC Corporation. \$6,500. (Account manager of \$3,250.) Funded/TAES.
24. Dotray, P.A. and J.W. Keeling. 1995. Evaluate glyphosate in terminated wheat, Roundup Ready cotton, and Roundup Ready soybeans and establish weed control demonstrations for summer field tours. Monsanto. \$22,500. (Account manager of \$11,250.) Funded/TAES.
25. Dotray, P.A. and J.W. Keeling. 1995. Postemergence weed control with Action and Exceed combinations; Evaluate Peak as a cotton defoliant/desiccant; Evaluate Peak as a postemergence herbicide in sorghum. Ciba. \$3,750. (Account manager of \$1,875.) Funded/TAES.
26. Dotray, P.A. and J.W. Keeling. 1995. Pyriithiobac: Comparative product performance. DuPont. \$8,000. (Account manager of \$4,000.) Funded/TAES.
27. Dotray, P.A. and J.W. Keeling. 1995. Weed control in cotton with trifluralin and pyriithiobac. DowElanco. \$4,700. (Account manager of \$2,350) Funded/TAES.
28. Dotray, P.A., J.W. Keeling, and C.B. McKenney. 1995. Cadre herbicide for weed control and growth suppression in unimproved turf. American Home Products. \$1,500. Funded/TAES.
29. Dotray, P.A. and J. R. Mahan. 1995. Efficacy of pyriithiobac in Palmer amaranth (*Amaranthus palmeri*) as affected by thermal stress. Plant Stress Research Institute. \$55,000. Funded/TTU.
30. Dotray, P.A. and W.B. Sebastian. 1995. Propazine tolerance during seedling establishment in cool and warm season turf grasses. Griffin Corporation. \$1,500. Funded/TTU.
31. Dotray, P.A., T.A. Wheeler, and J.W. Keeling. 1995. Identification of pathogenic organisms that selectively suppress woollyleaf bursage (*Ambrosia grayi*) in cotton (*Gossypium hirsutum*). Research Enhancement Program. \$31,601. Funded/TAES.
32. Gannaway, J.R., J.J. Burke, P.A. Dotray, K. Hake, J.W. Keeling, B.L. McMichael, M.J. Oliver, J.E. Quisenberry, A.F. Robinson, D.R. Rummel, and T.A. Wheeler. 1995. Targeting Texas' cotton production problems through genetic engineering. Texas Cotton Biotechnology Initiative--TxCot. \$110,000. Funded/TAES. (Account manager of \$12,000.)
33. Grichar, J., P.A. Dotray, and C. Stichler. 1995. Weed control in peanuts. Texas Peanut Producers Board. \$23,500. (Account manager of \$3,500.) Funded/TAES.

34. Keeling, J.W. and P.A. Dotray. 1995. Development of weed management systems in cotton using herbicide-resistant varieties. Texas State Support Committee. \$35,840. Funded/TAES.
35. De La Garza, R., P.A. Dotray, and N. Assadian. 1996. Propane applications in agriculture. Railroad Commissions of Texas Alternative Fuels Research and Education Division. \$67,638. (Account manager of \$11,090.) Funded/TAES.
36. Dotray, P.A. 1996. Effect of adjuvants on weed efficacy using Cadre in peanuts. American Cyanamid Company. \$3,000. Funded/TAEX.
37. Dotray, P.A. 1996. Propazine for preemergence grass species seed establishment. Griffin Corporation. \$1,500. Funded/TTU.
38. Dotray, P.A. 1996. Weed control in peanut with Basagran, Blazer, and Storm. BASF. \$2,000. Funded/TTU.
39. Dotray, P.A. and J.W. Keeling. 1996. Roundup Ready Cotton: Tolerance and efficiency. Monsanto. \$46,700. (Account manager of \$23,350.) Funded/TAES.
40. Dotray, P.A. and J.W. Keeling. 1996. Utility of pyriithiobac in cotton on the Texas Southern High Plains. DuPont. \$10,000. (Account manager of \$5,000.) Funded/TAES.
41. Dotray, P.A. and J.W. Keeling. 1996. Use of growth regulating herbicides in cotton. Sandoz. \$10,000. (Account manager of \$5,000.) Funded/TAES.
42. Dotray, P.A. and J.W. Keeling. 1996. Weed control in cotton and peanut using dinitroaniline and imidazoline herbicides. DowElanco. \$7,500. (Account manager of \$3,750.) Funded/TAES.
43. Dotray, P.A. and J.W. Keeling. 1996. Weed control in cotton, corn, sorghum, soybean, and peanut. American Cyanamid Company. \$5,500. (Account manager of \$1,500.) Funded/TAES.
44. Dotray, P.A. and J.W. Keeling. 1996. Weed control in cotton, peanuts, sorghum, and roadsides. Valent Corporation. \$7,000. Funded/TTU.
45. Dotray, P.A. and J.W. Keeling. 1996. Weed management on the Texas High Plains in cotton, corn, and grain sorghum. Ciba. \$5,000. (Account manager of \$2,500.) Funded/TAES.
46. Dotray, P.A. and T.A. Wheeler. 1996. Optimizing woollyleaf bursage (*Ambrosia grayi*) control by *Pseudomonas syringae* pv. *tageitis*. Texas Pest Management Association/Texas Department of Agriculture Integrated Pest Management Program. \$14,485. Funded/TAEX.
47. Grichar, J., P.A. Dotray, and C. Stichler. 1996. Weed control in peanuts. Texas Peanut

- Producers Board. \$23,500. (Account manager of \$3,500.) Funded/TAES.
48. Keeling, J.W. and P.A. Dotray. 1996. Development of profitable weed management systems using transgenic herbicide-resistant cotton cultivars. Cotton, Inc. Texas State Support Committee. \$20,500. (Account manager of \$10,250.) Funded/TAES.
 49. Krieg, D., C. Green, and P. Dotray. 1996. The value of internal root growth to early season growth and development of cotton plants. American Cyanamid Company. \$54,325. (Account manager \$0). Funded/TTU.
 50. Allen, V.G., K. Brock, C. P. Brown, P.A. Dotray, C.J. Green, M. Henson, R. Kellison, D.R. Krieg, R. Lascano, T. McCollum, J. Mitchell, K. Pond, E. Segarra, T.A. Wheeler, and W. Wyatt. 1997. Sustainable crop/livestock systems in the Southern High Plains. USDA/Sustainable Agriculture Research and Education-Agriculture in Concert with Environment Program (SARE/ACE). \$222,125. (Account manager of \$0.) Funded/TTU.
 51. Allen, V.G., K. Brock, C.P. Brown, P.A. Dotray, C.J. Green, M. Henson, R. Kellison, D.R. Krieg, R. Lascano, T. McCollum, J. Mitchell, K. Pond, E. Segarra, T.A. Wheeler, and W. Wyatt. 1997. Sustainable crop/livestock systems in the Southern High Plains. High Plains Underground Water Development Board. \$10,000. (Account manager of \$0.) Funded/TTU.
 52. Dotray, P.A. 1997. Strongarm in peanuts. DowElanco. \$1,500. Funded/TAES.
 53. Dotray, P.A. 1997. Weed control in peanuts with Prowl, Pursuit, and Cadre. American Cyanamid. \$8,000. (Account manager of \$4,000) Funded/TAES.
 54. Dotray, P.A., J. Gannaway, J.W. Keeling, and L. Blair. 1997. Performance of Liberty-tolerant cotton. AgrEvo. \$20,000. Funded/TTU.
 55. Dotray, P.A. and N.W. Hopper. 1997. Polymer-coated cotton seed tolerance to clomazone. FMC Corporation. \$4,000. (Account manager of \$2,000) Funded/TTU.
 56. Dotray, P.A. and J.W. Keeling. 1997. Herbicide symptomology and efficacy demonstrations. Novartis. \$2,000. (Account manager of \$1,500.) Funded/TAES.
 57. Dotray, P.A. and J.W. Keeling. 1997. Potential use of Command Cotton on the Texas High Plains. FMC. \$2,000. (Account manager of \$1,000.) Funded/TAES.
 58. Dotray, P.A. and J.W. Keeling. 1997. Research grant-in-aid. Valent. \$11,500. Funded/TTU.
 59. Dotray, P.A. and J.W. Keeling. 1997. Tolerance and efficacy of glyphosate in Roundup Ready cotton. Monsanto. \$37,000. (Account manager of \$17,000.) Funded/\$8,500/TAES and \$8,500/TTU.
 60. Dotray, P.A. and J.W. Keeling. 1997. Weed control in peanuts and corn. BASF. \$8,000.

Funded/TTU.

61. Dotray, P.A. and J.W. Keeling. 1997. Weed control systems with Staple. DuPont. \$10,500. (Account manager of \$5,250.) Funded/TAES.
62. Grichar, J., P.A. Dotray, and C. Stichler. 1997. Weed control in peanuts. Texas Peanut Producers Board. \$25,000. (Account manager of \$3,500.) Funded/TAES.
63. Keeling, J.W. and P.A. Dotray. 1997. Integrated pest management demonstrations with Staple. DuPont. \$4,000. (Account manager of \$2,000.) Funded/TAES.
64. Keeling, J.W. and P.A. Dotray. 1997. Research grant-in-aid. Novartis. \$6,000. (Account manager of \$3,000.) Funded/TAES.
65. Keeling, J.W. and P.A. Dotray. 1997. Weed control with Touchdown and Reflex on the High Plains. Zeneca. \$5,000. (Account manager of \$2,500.) Funded/TAES.
66. Keeling, J.W., P.A. Dotray, and E. Segarra. 1997. Perennial weed management in herbicide-tolerant cotton varieties with Roundup Ultra and Buctril. Cotton, Inc., Texas State Support Committee. \$36,000. (Account manager of \$18,000.) Funded/TAES.
67. Onken, A. B., P.A. Dotray, et al. 1997. Precision farming--Site specific production system. Precision Agriculture Initiative. \$2,000,000. (Account manager of \$25,000.) Funded/TAMU.
68. Dotray, P.A. 1997. Support of the Texas Tech Weed Team. West Texas Agricultural Chemicals Institute. \$1,000. Funded/TTU.
69. Dotray, P.A. 1998. Product profiles in peanut with Cadre and in Roundup ready cotton with Prowl. American Cyanamid. \$4,000. Funded/TTU.
70. Dotray, P.A. 1998. Weed control in peanut with V-53482 and clethodim. Valent. \$3,500. Funded/TTU.
71. Dotray, P.A. and J.W. Keeling. 1998. Buctril/Balance product profile, herbicide injury symptoms and weed identification. Rhone-Poulenc. \$1,500. (Account manager of \$750.) Funded/TAES.
72. Dotray, P.A. and J.W. Keeling. 1998. Effects of rate, tillage, and application timing of Strongarm in west Texas peanuts. Dow AgroSciences. \$8,000. (Account manager of \$4,000.) Funded/TAES.
73. Dotray, P.A. and J.W. Keeling. 1998. Herbicide tank contamination and crop injury symptoms. Monsanto. \$1,500. (Account manager of \$750.) Funded/TAES.
74. Dotray, P.A. and J.W. Keeling. 1998. Roundup Ready cotton performance on the Texas Southern High Plains. Monsanto. \$20,000. (Account manager of \$10,000.) Funded/TAES.

75. Dotray, P.A. and J.W. Keeling. 1998. Vegetable recrop studies following imazapic. American Cyanamid. \$6,000. Funded/TTU.
76. Dotray, P.A. and J.W. Keeling. 1998. Weed control in cotton, corn, and peanut. Novartis. \$9,000. (Account manager of \$4,500.) Funded/TAES.
77. Dotray, P.A. and J.W. Keeling. 1998. Weed identification, herbicide symptomology, herbicide efficacy, and goof-plots. Novartis. \$5,000. (Account manager of \$2,500.) Funded/TAES.
78. Green, C.J., D.R. Krieg, and P.A. Dotray. 1998. Development of precision agriculture technology for cotton production. International Cotton Research Center. \$39,902. (Account manager of \$0.) Funded/TTU.
79. Grichar, W.J., P.A. Dotray, E.P. Prostko, and T. Baughman. 1998. Weed control in peanuts. Texas Peanut Producers Board. \$26,500. (Account manager of \$3,500.) Funded/TAES.
80. Keeling, J.W. and P.A. Dotray. 1998. Grant-in-aid. Zeneca Ag Products. \$2,000. (Account manager of \$1,000.) Funded/TAES.
81. Keeling, J.W. and P.A. Dotray. 1998. Perennial weed management in herbicide-tolerant cotton varieties with Roundup Ultra and Buctril. Cotton, Inc. Texas State Support Committee. \$18,000. (Account manager of \$9,000.) Funded/TAES.
82. Keeling, J.W. and P.A. Dotray. 1998. Weed control in cotton, corn, sorghum, peanuts, and non-cropland. BASF. \$8,000. (Account manager of \$4,000.) Funded/TAES.
83. Mahan, J. R., G.G. Light, and P.A. Dotray. 1998. Response of cotton to seaweed extracts applied at various growth stages. Acadian. \$6,000. Funded/TTU.
84. Dotray, P.A. 1998. Support of the Texas Tech Weed Team. West Texas Agricultural Chemicals Institute. \$1,000. Funded/TTU.
85. Dotray, P.A. 1999. Weed control in cotton using BXN. Rhone-Poulenc. \$2,000. Funded/TTU.
86. Dotray, P.A. 1999. Weed control in peanut and cotton. American Cyanamid. \$4,000. Funded/TAES.
87. Dotray, P.A. 1999. Weed control in peanut using Valor. Valent. \$3,600. Funded/TTU.
88. Dotray, P.A., T.A. Baughman, and J.W. Keeling. 1999. Weed control in High Plains and Rolling Plains peanut production. The Texas Peanut Producers' Board. \$16,500. (Account manager of \$9,500.) Funded/TTU. (TAEX-Vernon).
89. Dotray, P.A., and J.W. Keeling. 1999. Economic benefit of a light-activated weed sprayer

- in Texas cotton production. Cotton, Inc./State Support Committee. \$14,950. Funded/TTU.
90. Dotray, P.A. and J.W. Keeling. 1999. Evaluation of preemergence/postemergence combinations of pyriithobac herbicide in cotton and its effect on rotational crops. DuPont Co. \$4,000. (Account manager of \$2,000.) Funded/TAES.
 91. Dotray, P.A. and J.W. Keeling. 1999. Tolerance and weed control systems using Liberty-Tolerant cotton. AgroEvo. \$10,000. Funded/TTU.
 92. Dotray, P.A. and J.W. Keeling. 1999. Weed control in peanut using diclosulam. Dow AgriSciences. \$25,000. (Account manager of \$12,500.) Funded/TAES.
 93. Dotray, P.A. and J.W. Keeling. 1999. Weed control in peanut and cotton. FMC Corporation. \$4,000. (Account Manager of \$2,000). Funded/TAES
 94. Keeling, J.W. and P.A. Dotray. 1999. Grant-in-aid. BASF. \$4,500. (Account manager of \$2,250.) Funded/TAES.
 95. Keeling, J.W. and P.A. Dotray. 1999. Grant-in-aid. Zeneca. \$22,000. (Account manager of \$11,000.) Funded/TAES.
 96. Keeling, J.W. and P.A. Dotray. 1999. Weed control systems using Roundup Ready cotton. Monsanto. \$12,000. (Account manager of \$6,000.) Funded/TAES.
 97. Keeling, J.W. and P.A. Dotray. 1999. Grant-in-aid. Novartis. \$12,000. (Account Manager of \$6,000) Funded/TAES.
 98. Schubert, A.M., P.A. Dotray, J.W. Keeling, K.F. Bronson, C.L. Trostle, D.O. Porter, J.P. Bordovsky, G.S. Osborn, L. Thomston, T. Doederlein, and J.F. Farris. 1999. Using precision agriculture for peanut systems. Precision Agriculture Initiative for Texas High Plains. \$135,995. (Account manager of \$24,000.) Funded/TAES.
 99. Schubert, A.M., D. Porter, J. Bordovsky, K. Bronson, P.A. Dotray, W. Keeling, C. Trostle, and R. Lemon. 1999. Cost effective production management of peanuts in the Texas Southern High Plains. The Peanut Foundation. \$22,000. (Account manager of \$3,000.) Funded/TAES.
 100. Dotray, P.A. 1999. Support of the Texas Tech Weed Team. West Texas Agricultural Chemicals Institute. \$1,000. Funded/TTU.
 101. Baughman, T.A., P.A. Dotray, W.J. Grichar, and R.A. Lemon. 2000. Evaluation of postemergence weed control options in peanut. National Peanut Board. \$20,000. (Account manager of \$5,000.) Funded/TAEX.
 102. Dotray, P.A. 2000. Grant-in-aid. BASF. \$1,500. (Account manager of \$750.) Funded/TAES.

103. Dotray, P.A. 2000. Weed control in cotton and peanuts with Valor and Select. Valent. \$6,000. Funded/TTU.
104. Dotray, P.A. 2000. Weed control in peanut with Cadre, Pursuit, and Raptor. American Cyanamid. \$3,750. Funded/TAES/TTU.
105. Dotray, P.A. and J.W. Keeling. 2000. Weed control in Roundup Ready cotton. Monsanto. \$18,000. (Account manager of \$5,000.) Funded/TAES.
106. Dotray, P.A. and J.W. Keeling. 2000. Weed control in peanut using diclosulam. Dow AgriSciences. \$13,500. (Account manager of \$6,000.) Funded/TAES.
107. Dotray, P.A. and J. W. Keeling. 2000. Economic benefit of a light-activated weed sprayer in Texas cotton production. State Support Committee. Cotton, Inc. \$15,000. Funded/TTU.
108. Dotray, P.A. and J.W. Keeling. 2000. Weed control in cotton, corn, and peanut in West Texas. FMC Corporation. \$6,000. (Account manager of \$2,000.) Funded/TAES.
109. Dotray, P.A. and J.W. Keeling. 2000. Extra Grant-in-aid. Monsanto. \$2,000. (Account manager of \$1,000.) Funded/TAES.
110. Dotray, P.A., J.W. Keeling, and A.D. Brashears. 2000. Economic analysis of a light-activated weed sprayer for cotton production on the Texas Southern High Plains. International Cotton Research Center. \$22,000. Funded/TTU.
111. Dotray, P.A., J.W. Keeling, and J.R. Mahan. 2000. Comparison of glufosinate-tolerant cotton weed control systems to Roundup Ready cotton and BXN (bromoxynil-tolerant) cotton grown in the Texas Southern High Plains, and the effect of environmental temperature on the resistance of Liberty (glufosinate) cotton. Aventis. \$15,000. Funded/TTU.
112. Dotray, P.A., T.A. Baughman, and J.W. Keeling. 2000. Weed control in High Plains and Rolling Plains peanut production. The Texas Peanut Producers' Board. \$17,500. Funded/TTU (TAES).
113. Dotray, P.A. and J.W. Keeling. 2000. Weed control and harvest aid research in cotton. Zeneca Agricultural Products. \$11,000. (Account manager of \$3,000.) Funded/TAES.
114. Dotray, P.A., J.W. Keeling, T.A. Baughman, W.J. Grichar, and R.A. Lemon. 2000. Varietal tolerance to new soil residual herbicides in several Texas environments. National Peanut Board. \$20,000. (Account manager of \$5,000.) Funded/TAEX.
115. Dotray, P.A. 2000. Support of the Texas Tech Weed Team. West Texas Agricultural Chemicals Institute. \$1,500. Funded/TTU.
116. Grichar, W.J., S. Senseman, R.A. Lemon, T.A. Baughman, P.A. Dotray, and B. Besler. 2000. In-season method for determining imazethapyr and imazapic carryover effects in

- cotton. National Peanut Board. \$23,000. (Account manager of \$10,000.) Funded/TAEX.
117. Schubert, A.M., P.A. Dotray, J.W. Keeling, K.F. Bronson, C.L. Trostle, D.O. Porter, J.P. Bordovsky, G. S. Osborn, L. Thomston, T. Doederlein, and J. F. Farris. 2000. Using precision agriculture for peanut systems. Precision Agriculture Initiative for Texas High Plains. \$135,995. (Account manager of \$21,254.) Funded/TAES.
 118. Dotray, P.A. and J.W. Keeling. 2001. Economic benefit of a light-activated weed sprayer in Texas Cotton production. State Support Committee. Cotton, Inc. \$20,000. Funded/TTU.
 119. Dotray, P.A. 2001. Residual and contact herbicides for preplant burndown of weeds prior to planting cotton. Griffin LLC. \$3,500. Funded/TAEX.
 120. Dotray, P.A., T.A. Baughman, and J.W. Keeling. 2001. Weed control in High Plains and Rolling Plains Peanut Production. Texas Peanut Producers Board. \$14,400. Funded/TAES.
 121. Dotray, P.A. and J.W. Keeling. 2001. Weed control in Roundup Ready cotton. Monsanto. \$20,000. (Account manager of \$0.) Funded/TAES.
 122. Dotray, P.A. and J.W. Keeling. 2001. Weed control in cotton. Aventis. \$11,000. (Account manager of \$7,000.) Funded \$5,000/TAES. \$2,000/TTU.
 123. Dotray, P.A. and J.W. Keeling. 2001. Comparison of glufosinate-tolerant cotton weed control systems to Roundup Ready cotton and BXN (bromoxynil-tolerant) cotton grown in the Texas Southern High Plains, and the effect of environmental temperature on the resistance of Liberty (glufosinate) cotton. Aventis. \$15,000. Funded/TTU.
 124. Dotray, P.A. 2001. Efficacy of Valor in peanut. Valent. \$2,000. Funded/TAEX.
 125. Dotray, P.A. 2001. Utility of Prowl, Pursuit, Cadre, and Outlook in peanut. BASF. \$6,000. Funded/TAEX.
 126. Dotray, P.A. and J.W. Keeling. 2001. 2,4-D preplant interval in cotton. Helena. \$3,750. Funded/TTU.
 127. Dotray, P.A., J.W. Keeling, and G.G. Light. 2001. Tolerance and efficacy of Strongarm applied postemergence in 20 West Texas peanut locations. Dow AgroSciences. \$20,000. (Account manager of \$12,250.) Funded/TTU.
 128. Dotray, P.A. and J.W. Keeling. 2001. Tolerance, efficacy, and rotational restrictions of Strongarm postemergence. Dow AgroSciences. \$10,000. Funded/TTU.
 129. Dotray, P.A. 2001. Peanut varietal tolerance to Strongarm applied to different soils in the greenhouse. Dow AgroSciences. \$4,000. Funded/TTU.
 130. Dotray, P.A. 2001. Use of Spartan in West Texas peanut. FMC. \$3,000. Funded/TAES.

131. Dotray, P.A. 2001. Dual Magnum and Zorial combinations for weed control in peanut. Syngenta. \$3,000. Funded/TAES.
132. Dotray, P.A. 2001. Support of the Texas Tech Weed Team. West Texas Agricultural Chemicals Institute. \$1,000. Funded/TTU.
133. Dotray, P.A., J.W. Keeling, and A.D. Brashears. 2001. Economic analysis of a light-activated weed sprayer for cotton production on the Texas Southern High Plains. International Cotton Research Center. \$25,902. Funded/TTU.
134. Dotray, P.A., J.W. Keeling, T.A. Baughman, W.J. Grichar. 2001. Varietal tolerance to new soil residual herbicides in several Texas environments. National Peanut Board. \$18,000. Funded/TAES.
135. Grichar, W.J., S. Senseman, T. Baughman, P. Dotray, B. Besler. 2001. In-season method for determining Pursuit and Cadre carryover effects in cotton. National Peanut Board. \$22,750. (Account Manager of \$0.) Funded/TAES.
136. Schubert, A.M., P.A. Dotray, J.W. Keeling, K.F. Bronson, C.L. Trostle, D.O. Porter, J.P. Bordovsky, G.S. Osborn, L. Thompson, T. Doederlein, and J.F. Farris. 2001. Using precision agriculture for peanut systems. Precision Agriculture Initiative for Texas High Plains. \$135,497. (Account manager of \$21,000.) Funded/TAES.
137. Dotray, P.A., T.A. Baughman, and J.W. Keeling. 2002. Weed control in High Plains and Rolling Plains Peanut Production. Texas Peanut Producers Board. \$5,000. (Account Manager of \$0.) Funded/TAES.
138. Dotray, P.A. 2002. Tolerance and efficacy of diclosulam in West Texas peanut. Dow AgroSciences. \$10,500. Funded/TAES.
139. Dotray, P.A. 2002. Tolerance and weed control systems using flumioxazin in West Texas peanut. Valent U.S.A. Corporation. \$7,400. Funded/TAES.
140. Dotray, P.A. 2002. Peanut tolerance to dimethenamid applied PPI, PRE, AT-CRACK, and POST. BASF Corporation. \$3,500. Funded/TAES.
141. Dotray, P.A. 2002. 2,4-D preplant interval in cotton. Helena. \$3,750. Funded/TAES.
142. Dotray, P.A. 2002. Liberty weed control. Aventis. \$5,500. Funded/TTU.
143. Dotray, P.A. and J.W. Keeling. 2002. Comparison of glufosinate-tolerant cotton weed control systems to Roundup Ready cotton and BXN (bromoxynil-tolerant) cotton grown in the Texas Southern High Plains, and the effect of environmental temperature on the resistance of Liberty (glufosinate) cotton. Aventis \$15,000. Funded/TTU.
144. Dotray, P.A. and J.W. Keeling. 2002. Liberty-tolerant cotton: Field evaluations and comparison to Roundup-tolerant, Buctril-tolerant, and conventional cotton weed control

- systems. State Support Committee. Cotton Incorporated. \$20,000. Funded/TTU.
145. Dotray, P.A. 2002. The benefits of Staple in a Roundup Ready cotton system. DuPont. \$1,500. Funded/TAES.
 146. Dotray, P.A. 2002. Cotton weed control systems using Reflex and Caparol. Syngenta. \$1,000. Funded/TAES.
 147. Schubert, A.M., P.A. Dotray, J.W. Keeling, K.F. Bronson, C.L. Trostle, D.O. Porter, J.P. Bordovsky, G.S. Osborn, L. Thompson, T. Doederlein, and J.F. Farris. 2002. Using precision agriculture for peanut systems. Precision Agriculture Initiative for Texas High Plains. \$135,497. (Account manager of \$21,000.) Funded/TAES
 148. Dotray, P.A. 2002. Support of the Texas Tech Weed Team. West Texas Agricultural Chemicals Institute. \$1,000. Funded/TTU.
 149. Dotray, P.A., J.R. Mahan, and K.R. Dawson. 2002. Thermal effects on glufosinate tolerance in a bioengineered glufosinate-tolerant cotton. Weed Science Society of America Undergraduate Research Award. \$1,000. Funded/TTU.
 150. Dotray, P., M. Blanton, and P. Porter. 2003. Development of weed identification and herbicide symptomology database for weed science web site and CD distribution. Texas Department of Agriculture - Integrated Pest Management Grant Program. \$10,537. Funded/TAES.
 151. Dotray, P.A. and J.W. Keeling. 2003. Liberty-tolerant cotton: Field Evaluations and comparisons to Roundup-tolerant and conventional cotton weed control systems. State Support Committee. Cotton Incorporated. \$20,000. Funded/TTU.
 152. Dotray, P.A., W.J. Grichar, T.A. Baughman, and J.W. Keeling. 2003. Weed control in the High and Rolling Plains and in South Texas peanut. Texas Peanut Producers Board. \$30,000. (Account manager \$15,000). Funded/TAES.
 153. Dotray, P.A. 2003. Weed control systems in transgenic cotton with Staple. DuPont. \$5,000. Funded/TTU.
 154. Dotray, P.A. 2003. Rotational crop response to diclosulam applied postemergence. Dow AgroSciences. \$6,000. Funded/TTU.
 155. Dotray, P.A. 2003. Peanut tolerance and weed control using flumioxazin and lactofen. Valent. \$2,000. Funded/TAES.
 156. Dotray, P.A. 2003. Sorghum tolerance to Valor applied preplant. Valent. \$1,250. Funded/TAES.
 157. Dotray, P.A. 2003. Weed control systems in Liberty-Link cotton on the Texas Southern High Plains. Bayer. \$14,500. Funded/TAMU (\$4,000), TTU (\$8,000), TCE (\$2,500).

158. Dotray, P.A. 2003. Weed control in Clearfield sunflowers. BASF. \$3,000. Funded/TTU.
159. Dotray, P.A. 2003. Weed control systems using Dual Magnum and Touchdown. Syngenta. \$2,000. Funded/TCE.
160. Dotray, P.A. 2003. Tolerance of Spanish Peanut to Soil Applied Cotton Herbicides after Crop Failure and Control of Volunteer Spanish Peanut in Cotton. National Peanut Board. \$4,000. Funded/TTU.
161. Dotray, P.A. 2003. Weed control and drift reduction using new spray tips. John Deere Company. \$1,500. Funded/TAES.
162. Keeling, J.W., P.A. Dotray, and R. Boman. 2004. Effects of simulated 2,4-D and dicamba herbicide drift on cotton growth, yield, and fiber quality. Texas Tech University International Cotton Research Center. \$24,200. (Account manager \$0). Funded/TTU.
163. Dotray, P.A. and J.W. Keeling. 2004. Liberty-tolerant cotton: Field Evaluations and comparisons to Roundup-tolerant and conventional cotton weed control systems. Texas State Support Committee. Cotton Incorporated. \$20,000. Funded/TTU.
164. Keeling, J.W., T.A. Baughman, and P.A. Dotray. 2004. Cotton variety performance and weed control in Roundup Ready Flex cotton. Texas State Support Committee. \$15,000. (Account manager \$0). Funded/TAES.
165. Wilcut, J., G. Wilkerson, P. Dotray, C. Koger, C. Snipes, and J. Wilkerson. 2004. Site-specific weed management to reduce herbicide usage and enhance understanding of weed ecology in a corn/cotton/peanut system. USDA/CSREES IPM Section 406. Risk Avoidance and Mitigation Program (RAMP). \$564,393. Funded/TTU (Account manager \$91,200).
166. Dotray, P.A., W.J. Grichar, and T.A. Baughman. 2004. Weed control in the High and Rolling Plains and in South Texas. Texas Peanut Producers Board. \$29,000. (Account Manager \$14,500). Funded/TAES.
167. Wilcut, J., W. Bailey, T. Baughman, C. Boerboom, K. Bradley, P. Dotray, C. Koger, M. Loux, A. Martin, M. Owen, D. Poston, A. Price, C. Sprague, T. Wester, G. Wilkerson, M. Vangesse, and B. Young. 2004. Economics of Invasive Weeds in Major U.S. Agronomic Crops. USDA Program of Research on the Economics of Invasive Species management. \$288,000/TTU. Not funded.
168. Dotray, P.A. 2004. Weed control in cotton with Staple. DuPont. \$6,000. Funded/TAES.
169. Dotray, P.A. 2004. Weed control in Clearfield sunflowers. BASF. \$3,000. Funded/TTU.
170. Dotray, P.A. 2004. Ignite in LibertyLink cotton. Bayer CropScience. \$4,000. Funded/TAES.
171. Grichar, W.J. and P.A. Dotray. 2004. Tolerance and weed control in sesame. Sesaco

- Corporation. \$5,000. (Account Manager \$2,500). Funded/TAES.
172. Dotray, P.A. 2004. Weed control systems in cotton using Touchdown, Envoke, and Suprend. Syngenta. \$2,500. Funded/TCE.
 173. Dotray, P.A. 2004. Tolerance of Spanish Peanut to Soil Applied Cotton Herbicides after Crop Failure and Control of Volunteer Spanish Peanut in Cotton. National Peanut Board. \$4,000. Funded/TAES.
 174. Dotray, P.A. 2004. Peanut Tolerance to AIM and ET. National Peanut Board. \$12,750. (Account Manager \$4,750). Funded/TAES.
 175. Dotray, P.A. 2004. Peanut tolerance and weed control using ET in peanut. Nichino America, Inc. \$1,500. Funded/TTU.
 176. Dotray, P.A. 2005. Grant-in-Aid for 2004 research using Valor and Cobra in peanut. Valent Corporation USA. \$1,000. Funded/TAES.
 177. Grichar, W.J., P.A. Dotray, and T.A. Baughman. 2005. Weed control in the High and Rolling Plains and in South Texas. Texas Peanut Producers Board. \$28,350. (Account Manager \$14,175). Funded/TAES.
 178. Dotray, P.A. and J.W. Keeling. 2005. Cotton tolerance and weed control using Envoke and Suprend on the Texas High Plains. Texas State Support Committee. Cotton Incorporated. \$20,000. Not funded/TAES.
 179. Keeling, J.W., P.A. Dotray, and R. Boman. 2005. Effects of simulated 2,4-D and dicamba herbicide drift on cotton growth, yield, and fiber quality. Texas Tech University International Cotton Research Center. \$25,764. (Account manager \$0). Funded/TTU.
 180. Dotray, P.A. and J.W. Keeling. 2005. Preplant burndown and in-season use of Ignite in LibertyLink cotton. Bayer CropScience. \$7,500. (Account Manager \$5,500). Funded/TAES.
 181. Dotray, P.A. 2005. Demonstrations using different spray tips and carrier volumes with Ignite. Bayer CropScience. \$5,000. Funded/TAES.
 182. Dotray, P.A. 2005. Evaluation of Valor, Select, and Cobra systems in peanut. Valent Corporation USA. \$2,000. Funded/TAES.
 183. Dotray, P.A. 2005. Evaluation cotton tolerance to Valor applied postemergence-directed. Valent Corporation USA. \$1,000. Funded/TAES.
 184. Dotray, P.A. 2005. Staple use in cotton weed management systems. DuPont. \$5,000. Funded/TTU.
 185. Dotray, P.A. 2005. Evaluation of Gramoxone Inteon in peanut and Envoke, Suprend, Touchdown, and Sequence in cotton. Syngenta. \$4,500. Submitted/TAES.

186. Dotray, P.A. 2005. Roundup Ready Flex weed management systems. Monsanto. \$4,000. Funded/TAES.
187. Grichar, W.J. and P.A. Dotray. 2005. Tolerance, weed control, and harvest aids in sesame. Sesaco Corporation. \$5,000. (Account Manager \$2,500). Funded/TAES.
188. Bean, B. and P. Dotray. 2005. Strip-till weed control in the Texas High Plains. Texas Corn Producers Board. \$6,000. (Account Manager \$0).
189. Dotray, P.A. 2005. Peanut tolerance and weed control with Cobra and Cadre and Pursuit: Survey of problem peanut fields and influence of carrier volume and spray tip selection on herbicide activity. National Peanut Board. \$23,000. (Account Manager \$17,000). Funded/TAES.
189. Dotray, P.A. 2005. Peanut tolerance and weed control using ET in peanut. Nichino America, Inc. \$1,500. Funded/TTU.
190. Dotray, P.A., B. Bean, and J.W. Keeling. 2006. Weed control in strip-tillage systems in the northern cotton producing regions of the Texas Southern High Plains. Texas Tech University International Cotton Research Center. \$29,000. Funded/TTU.
191. Dotray, P.A., W.J. Grichar, and T.A. Baughman. 2006. Weed control in the High and Rolling Plains and in South Texas. Texas Peanut Producers Board. \$25,650. (Account Manager \$12,825). Funded/TAES.
192. Dotray, P.A., B. Bean, and J.W. Keeling. 2006. Weed control in strip-tillage systems in the northern cotton producing regions of the Texas Southern High Plains. Texas State Support Committee. Cotton Incorporated. \$18,016. Funded/TAES.
193. Dotray, P.A., and J.W. Keeling. 2006. Weed Research and Education Programs Addressing Resistance Management. Cotton Foundation. \$16,500. Not funded/TAES.
194. Dotray, P.A. 2006. Ignite 280 control of large weeds and Programs with Ignite 280 compared to glyphosate in Roundup Ready Flex cotton. Bayer CropScience. \$6,000. Funded/TCE.
195. Dotray, P.A. 2006. Staple timing in Roundup Ready Flex and LibertyLink cotton and Layby Pro at layby in cotton weed management systems. DuPont. \$5,000. Funded/TTU.
196. Dotray, P.A. 2006. Gramoxone Inteon timings and Sequence in Roundup Ready Flex cotton. Syngenta. \$3,000. Funded/TAES.
197. Dotray, P.A. 2006. Cobra efficacy following 2,4-DB. Valent Corporation USA. \$2,500. Funded/TAES.
198. Grichar, W.J., P.A. Dotray, T.A. Baughman, J.W. Wilcut, and C. Johnson. 2006. Improved pest management and profitability for organically grown peanuts.

- USDA/Sustainable Agriculture Research and Education Program (SARE). \$238,750. Not Funded/TAES.
199. Grichar, W.J. and P.A. Dotray. 2006. Effectiveness of sesame desiccation. Meister Corporation. \$5,500. Submitted/TAES.
 200. Grichar, W.J. and P.A. Dotray. 2006. Evaluation of soil-applied and POST herbicides for sesame tolerance and weed control. Meister Corporation. \$7,500. Not funded/TAES.
 201. Dotray, P.A. 2006. Roundup Ready Flex Cotton in dryland cotton systems. Monsanto. \$5,000. Funded/TAES.
 202. Dotray, P.A. 2006. Roundup Ready Flex Cotton Research. Monsanto. \$9,000. Funded/TCE.
 203. Dotray, P.A. and L.V. Gilbert. 2006. Influence of solution pH, additives, and Ignite formulations on weed efficacy. Bayer CropSciences. \$2,000. Funded/TTU.
 204. Bean, B. and P. Dotray. 2006. Strip-till weed control in the Texas High Plains. Texas Corn Producers Board. \$6,000. (Account Manager \$0). Funded/TCE.
 205. Dotray, P.A., W.J. Grichar, and T.A. Baughman. 2006. Peanut tolerance and weed control with Cobra; Cadre and Pursuit: Influence of carrier volume and spray tip selection on herbicide activity and survey of problem peanut fields in the High Plains; and Weed management systems in peanut. National Peanut Board. \$20,000. (Account Manager \$10,000). Funded/TAES.
 206. Grichar, W.J., P.A. Dotray, and T.A. Baughman. 2006. Developing herbicide strategies for controlling Cadre resistant pigweed in peanuts. National Peanut Board. \$13,750. Not funded/TAES.
 207. Grichar, W.J. and P.A. Dotray. 2006. Tolerance, weed control, and harvest aids in sesame. Sesaco Corporation. \$5,000. (Account Manager \$2,500). Funded/TAES.
 208. Dotray, P.A., B. Bean, and J.W. Keeling. 2007. Weed control in strip-tillage systems in the northern cotton producing regions of the Texas Southern High Plains. Texas Tech University International Cotton Research Center. \$18,000. Funded/TTU.
 209. Jordan, D.L., T. Baughman, B. Brecke, P. Dotray, W. Faircloth, J. Ferrell, T. Grey, J. Grichar, G. MacDonald, C. Medlin, E. Prostko, G. Wehtje, and J. Wilcut. 2007. Development and distribution of a guide to managing herbicide resistance across the United States peanut belt. Peanut Foundation. \$6,600. Submitted/NCSU. Not funded.
 210. Dotray, P.A. 2007. Evaluation of Glytol cotton. Bayer CropScience. \$6,500. Funded/TAES.
 211. Grichar, W.J., P.A. Dotray, and T.A. Baughman. 2007. Weed control in Texas peanut. Texas Peanut Producers Board. \$31,125. (Account Manager \$15,562). Funded/TAES.

212. Dotray, P.A., B. Bean, and J.W. Keeling. 2007. Weed control in strip-tillage systems in the northern cotton producing regions of the Texas Southern High Plains. Texas State Support Committee. Cotton Incorporated. \$18,000. Funded/TAES.
213. Dotray, P.A. 2007. Peanut weed control studies using V-10204. Valent. \$5,500. Funded/TAES.
214. Dotray, P.A. 2007. Peanut weed control with paraquat and Dual Magnum in tank mixture. Syngenta. \$2,000. Funded/TAES.
215. Dotray, P.A. 2007. Staple use in Roundup Ready Flex cotton to control annual morningglory. DuPont. \$3,000. Funded/TTU.
216. Dotray, P.A. 2007. Advantages of PPI and PRE herbicides in a weed control program comparing LibertyLink and Roundup Ready Flex cotton. Bayer CropScience. \$3,000. Funded/TTU.
217. Dotray, P.A. 2007. Use of Huskie in sorghum systems in 2008. Bayer CropScience. \$2,500. Funded/TTU.
218. Dotray, P.A. 2007. Tolerance, weed control, and harvest aids in sesame. American Sesame Growers Association. \$1,000. Funded/TTU.
219. Dotray, P.A. 2007. Herbicide Symptomology Display. Monsanto. \$3,500. Funded/TAES.
220. Grichar, W.J., A.J. Jaks, P.A. Dotray, and J.E. Woodward. 2007. Effects of tank-mixing herbicides with fungicides on weed control and disease development. National Peanut Board. \$14,508. (Account manager \$3,627). Funded/TAES.
221. Dotray, P.A. and L.V. Gilbert. 2007. Influence of tillage, pre-watering, and herbicides on control of volunteer Spanish peanut. National Peanut Board. \$8,000. Not funded/TAES.
222. Dotray, P.A., J.W. Keeling, and J. Johnson. 2008. Effective and economical control of morningglory species in glyphosate-tolerant cotton. International Cotton Research Center. \$33,793. Funded/TTU.
223. Dotray, P.A., J.W. Grichar, and T.A. Baughman. 2008. Weed control in Texas peanut. Texas Peanut Producers Board. \$35,000. (Account Manager \$17,500). Funded/Texas AgriLife Research.
224. Wright, R., G. Light, P. Dotray, and S. Culpepper. 2008. Management and mitigation of glyphosate-resistant *Amaranthus*. CSREES Biotechnology Risk Assessment Research Grants Program. \$399,976. Period: Sept. 2008 - Aug. 2012. Not funded/TTU.
225. Dotray, P.A. 2008. Peanut and weed response to Reflex. Syngenta Corporation. \$7,200. Funded/Texas AgriLife Research (31.3% IDC).

226. Dotray, P.A. 2008. Control of volunteer cotton in Roundup Ready Flex cotton and Herbicide symptomology demonstration. Monsanto. \$2,000. Funded/Texas AgriLife Research.
227. Dotray, P.A. 2008. Roundup Ready Flex Cotton in dryland cotton systems. Monsanto. \$5,000. Funded/Texas AgriLife Research.
228. Dotray, P.A. 2008. Weed control in corn using BAS800H. BASF. \$4,500. Funded/TTU.
229. Dotray, P.A. 2008. Evaluation of Glytol+LL cotton. Bayer CropScience. \$7,500. Funded/Texas AgriLife Extension Service (16.6% IDC).
230. Dotray, P.A. 2008. Cotton response to FirstShot and Staple applied early preplant and weed management systems in GAT corn. DuPont. \$6,000. Funded/TTU.
231. Dotray, P.A. 2008. Weed control in Express-tolerant sunflower. DuPont. \$1,000. Submitted/Texas AgriLife Research.
232. Dotray, P.A. 2008. Peanut weed management program using Valor, Cobra, and Select. Valent. \$2,500. Funded/Texas AgriLife Research (4.76% IDC).
233. Dotray, P.A. 2008. Weed control in sorghum using BAS800H. BASF. \$1,000. Funded/TTU.
234. Dotray, P.A. 2008. Ignite and Roundup use in Glytol/LibertyLink-stacked cotton. Bayer CropScience. \$6,000. Funded/TTU (\$3,000) and Texas AgriLife Research (\$3,000 w/ no IDC).
235. Dotray, P.A., B. Bean, and J.W. Keeling. 2008. Weed control in strip-tillage systems in the northern cotton producing regions of the Texas Southern High Plains. Texas State Support Committee. Cotton Incorporated. \$18,000. Funded/Texas AgriLife Research.
236. Wright, R.J., G.G. Light, and P.A. Dotray. 2008. Managing glyphosate-resistant pigweed. Texas State Support Committee. Cotton Incorporated. \$30,000. (Account Manager \$0). Funded/TTU.
237. Grichar, W.J., A.J. Jaks, P.A. Dotray, and J.E. Woodward. 2008. Effects of tank-mixing herbicides with fungicides on weed control and disease development. National Peanut Board. \$20,000. (Account manager \$5,000). Funded/Texas AgriLife Research.
238. Dotray, P.A. 2008. Tolerance, weed control, and harvest aids in sesame. American Sesame Growers Association. \$4,000 (\$1,500 + \$2,500). Funded/TTU.
239. Mueller, T., L. Steckel, C. Main, S. Culpepper, J. Bond, P. Dotray, and S. Senseman. 2008. Determination of residual herbicide efficacy from soil-applied herbicides to control glyphosate-resistant Palmer amaranth. \$250,000. Pre-proposal submitted to Cotton Incorporated. Not funded.

240. Grichar, W.J., P.A. Dotray, and T.A. Baughman. 2009. Weed control in Texas peanut. Texas Peanut Producers Board. \$29,400 (Account Manager of \$14,700). Funded/Texas AgriLife Research.
241. Grichar, W.J., A.J. Jaks, P.A. Dotray, and J.E. Woodward. 2009. Effects of tank-mixing herbicides with fungicides on weed control and disease development. National Peanut Board. \$15,000. (Account Manager of \$2,250). Funded/Texas AgriLife Research.
242. Dever, J., D. Auld, and P. Dotray. 2009. Non-transgenic herbicide tolerant cotton. Texas Department of Agriculture - Food and Fibers Research Proposal. \$35,000/Not Funded.
243. Dotray, P.A. 2009. Evaluation of Glytol+LL cotton. Bayer CropScience. \$7,500. Funded/Texas AgriLife Extension Service.
244. Dotray, P.A. 2009. Ignite/Roundup use in Glytol/LibertyLink-stacked cotton and sorghum tolerance and weed control with Huskie. Bayer CropScience. \$6,000. Funded/TTU.
245. Dotray, P.A. 2009. GAT recrop tolerance, GAT corn efficacy programs, sorghum tolerance to ALS herbicides, and Resolve/Firstshot cotton plant back. DuPont. \$12,000 (4.76% IDC). Funded/Texas *AgriLife* Research.
246. Dotray, P.A. 2009. Cotton tolerance and weed control with a new Prowl H2O formulation. BASF. \$6,500. Funded/Texas Tech University.
247. Dotray, P.A. 2009. Herbicide symptomology training. Monsanto. \$2,000. Submitted/Texas *AgriLife* Research.
248. Dotray, P.A. 2009. Valor/Prowl H2O efficacy comparison and peanut weed management program using Valor, Cobra, and Select. Valent. \$2,000. Funded/Texas Pest Management Association.
249. Dotray, P.A., J.W. Keeling, and J. Johnson. 2009. Effective and economical control of different morningglory species in Roundup Ready Flex, GlyTol plus LibertyLink, and conventional cotton. Cotton Incorporated. \$18,000. Funded/Texas AgriLife Research.
250. Wright, R.J., G.G. Light, and P.A. Dotray. 2009. Managing glyphosate-resistant pigweed. Texas State Support Committee. Cotton Incorporated. \$30,000. (Account Manager \$0). Funded/TTU.
251. Dotray, P.A. 2009. A comparison of two pyriithiobac-sodium formulations: Pyrimax and Staple. Makhteshim Agran. \$6,800. Funded/Texas AgriLife Research.
252. Thompson, T.L., J. Moore-Kucera, P. Dotray, T. Zobeck, E. Belasco, K. Bronson, and W. Keeling. 2009. Enhancing sustainability within Southern High Plains agroecosystems. USDA-AFRI. \$498,626. Not Funded/TTU (with \$117,992 subcontract for Texas AgriLife Extension).

253. Dotray, P.A., J.W. Keeling, and J. Johnson. 2009. Effective and economical control of morningglory species in glyphosate-tolerant cotton. International Cotton Research Center. \$31,721. Funded/TTU.
254. Dotray, P.A. 2009. Wheat response and weed control with Valor applied at different growth stages. Valent. \$6,000. Funded/Texas Pest Management Association.50000
255. Dotray, P.A. 2009. Tolerance, weed control, and harvest aids in sesame. American Sesame Growers Association. \$2,500. Funded/TTU.
256. Dotray, P.A. 2010. Evaluation of new weed management technologies in sorghum. Great Plains Sorghum Improvement and Utilization Center. \$40,000. Funded/TTU.
257. Dotray, P.A. and J.W. Keeling. 2010. Synergistic/antagonistic effects of glyphosate and glufosinate in tank mixture in GlyTol plus LibertyLink cotton. International Cotton Research Center. \$37,834. Funded/TTU.
258. Dotray, P.A. 2010. Potential use of saflufenacil in alfalfa and Prowl H2O use in grain sorghum. BASF. \$3,000. Funded/TTU.
259. Baughman, T.A., P.A. Dotray, and W.J. Grichar. 2010. Peanut management systems for Texas. Texas Peanut Producers Board. \$40,000. (Account Manager of \$7,000). Funded/Texas AgriLife Research.
260. Baughman, T.A., P.A. Dotray, and W.J. Grichar. 2010. Peanut management systems for Texas. National Peanut Board. \$36,000. (Account Manager of \$5,000). Funded/Texas AgriLife Research.
261. Dotray, P.A., J.W. Keeling, and J. Johnson. 2010. Effective and economical control of different morningglory species in Roundup Ready Flex, GlyTol plus LibertyLink, and conventional cotton. Cotton Incorporated. \$18,000. Funded/Texas AgriLife Research.
262. Wright, R.J., G.G. Light, and P.A. Dotray. 2010. Managing glyphosate-resistant pigweed. Texas State Support Committee. Cotton Incorporated. \$30,000. (Account Manager \$0). Funded/TTU.
263. Dotray, P.A. 2010. Use of Layby Pro and Lorox in sesame. TKI NovaSource. \$2,000. Funded/Texas AgriLife Research (\$95.24 IDC).
264. Dotray, P.A. 2010. Efficacy of 2,4-D, glufosinate, and glyphosate applied alone and in tank mixture. Dow AgroSciences. \$5,000. Funded/Texas AgriLife Research (\$1,032 or 20.64% IDC).
265. Dotray, P.A. 2010. Ignite systems in cotton, Ignite plus additives in LibertyLink corn, and Huskie in grain sorghum. Bayer CropSciences. \$7,000. Funded/Texas Pest Management Association.
266. Dotray, P.A. 2010. Evaluation of generic glyphosates, encapsulated acetochlor, and new

- glyphosate formulations in Roundup Ready Flex cotton. Monsanto. \$15,500. Funded/Texas AgriLife Research (\$738.10 or 4.76% IDC).
267. Dotray, P.A. 2010. Gift-in-kind. Monsanto. \$1,000. Funded/Texas Plant Protection Association.
 268. Dotray, P.A. 2010. ALS and ACCase sorghum tolerance to tank mix combinations of grass and broadleaf herbicides. DuPont. \$15,100. Funded/Texas AgriLife Research.
 269. Dotray, P.A. 2010. Weed control in cotton with Reflex and Envoke. Syngenta. \$2,000. Funded/Texas AgriLife Research.
 270. Dotray, P.A. 2010. Tolerance and weed control in sesame. American Sesame Growers Association. \$4,000. Funded/Texas AgriLife Research.
 271. Dotray, P.A. 2010. Valor use in peanut, alfalfa, and wheat. Valent. \$6,500. Funded/Texas Pest Management Association.
 272. Dotray, P.A. and J.W. Keeling. 2011. Synergistic/antagonistic effects of glyphosate and glufosinate in tank mixture in GlyTol plus LibertyLink cotton. International Cotton Research Center. \$37,834. Funded/TTU.
 273. Dotray, P.A. and J.W. Keeling. 2011. Influence of Water Quality on Weed Control by Glyphosate. Cotton Incorporated. \$22,000. Funded/Texas AgriLife Research.
 274. Baughman, T.A., P.A. Dotray, and W.J. Grichar. 2011. Peanut management systems for Texas. Texas Peanut Producers Board. \$10,000. Funded/Texas AgriLife Research (Account manager \$5,000).
 275. Baughman, T.A., P.A. Dotray, and W.J. Grichar. 2011. Peanut management systems for Texas. National Peanut Board \$10,000. Funded/Texas AgriLife Research (Account manager \$5,000).
 276. Dotray, P.A. 2011. Field bindweed control with liquid quinclorac. \$2,400. BASF. Funded/Texas Tech University.
 277. Dotray, P.A. 2011. Cotton varietal tolerance to trifloxysulfuron and Envoke systems in cotton. \$5,000. Syngenta. Funded /Texas AgriLife Research.
 278. Dotray, P.A. 2011. Glyphosate gene equivalency. \$25,200. Monsanto (Service Order #12). Funded/TTU.
 279. Dotray, P.A. 2011. Cotton safety to Warrant; New glyphosate formulations on Palmer amaranth control; Clarity + Ignite on glyphosate-tolerant Palmer amaranth; Application sequence of Clarity and Ignite on glyphosate-tolerant Palmer amaranth; Roundup Ready Flex weed management system; Herbicide symptomology. \$28,000. Monsanto. Funded/Texas AgriLife Research.

280. Dotray, P.A. 2011. Crop response and weed control in ALS- and quizalofop-tolerant sorghum, and plant back studies with cotton. \$11,500. DuPont. Funded/Texas AgriLife Research.
281. Dotray, P.A. 2011. Valor in wheat (\$1,500), Pyroxasulfone tank mix in peanut (\$1,500), and Valor in alfalfa (\$2,000). \$5,000. Valent Corporation. Funded/Texas AgriLife Research.
282. Dotray, P.A. 2011. Soybean tolerance to 2,4-D under stress (\$10,000) and general weed control (\$2,000). Dow AgroSciences. \$12,000. Funded/Texas AgriLife Research.
283. Dotray, P.A. 2011. Herbicide efficacy and selectivity in cotton. \$4,000. Chemivova, Inc. Funded/Texas Pest Management Association.
284. Auld, D.L., P.A. Dotray, C. Mallory-Smith, and J. Dever. 2011. Non-transgenic herbicide resistant in cotton as a mechanism to reduce the occurrence of herbicide resistant weed species. NIFA Plant Health and Production of Plant Products (A1131), Priority Area: Controlling Weedy and Invasive Plants. Pre-proposal. Not selected.
285. Dotray, P.A. 2011. Weed control in sorghum with Huskie and weed management systems in GlyTol plus LibertyLink cotton. \$3,500. Bayer CropScience. Funded/Texas Pest management.
286. Dotray, P.A. 2011. Cotton plantback response to herbicides used in ALS-tolerant sorghum. \$8,000. DuPont. Funded/Texas AgriLife Research.
287. Dotray, P.A. 2011. Evaluation of Brimstone with Roundup PowerMax and GlyStar Plus in Roundup Ready Flex cotton. \$2,835. Wilbur Ellis. Funded/Texas Pest management.
288. Auld, D., G. Ritchie, and P. Dotray. 2011. Marketing non-transgenic tolerance to Liberty (Ignite) herbicide in cotton. \$42,000. Texas Tech University System Commercial Development Grant (CDG) Application. Not funded.
289. Woodward, J., M. Black, T. Wheeler, P. Dotray, and J. Grichar. 2012. Peanut Production and disease management systems in Texas. \$85,000. Texas Peanut Producers Board. Funded/Texas AgriLife Research. (Account Manager - \$5,000).
290. Woodward, J., T. Wheeler, P. Dotray, and J. Grichar. 2012. Peanut Production and disease management systems in Texas. \$85,000. National Peanut Board. Funded/Texas AgriLife Research. (Account Manager - \$5,000).
291. Dotray, P.A. 2012. Cotton and peanut tolerance and weed control with CHA-030 applied preemergence and postemergence. Cheminova. \$8,000.00/Funded. Texas AgriLife Research.
292. Dotray, P.A. 2012. Cotton and peanut tolerance and weed control with Dual Magnum and Warrant. Syngenta. \$4,000.00/Funded. Texas AgriLife Research.

293. Dotray, P.A. 2012. Peanut tolerance and weed control with BAS 820 H (Zidua) applied PRE, AC, EPOST, and MPOST. BASF Corp. \$4,800. Funded/Texas Tech University.
294. Dotray, P.A. 2012. Peanut tolerance and weed control with pyroxasulfone (V-10206) and Fierce. Valent. \$4,000. Funded/Texas AgriLife Research.
295. Dotray, P.A. 2012. Weed control in sorghum with Huskie, weed management systems in GlyTol plus LibertyLink cotton, and Liberty + Clarity tank-mix combinations. Bayer CropScience. \$10,500. Funded/TPMA.
296. Dotray, P.A. 2012. Crop response and weed control in ALS-tolerant sorghum. DuPont. \$15,000. Funded/Texas AgriLife Research.
297. Dotray, P.A. 2012. Glyphosate gene equivalency. \$25,200. Monsanto (Service Order #14). Funded/TTU. (F&A 26%, \$4,395).
298. Dotray, P.A. 2012. New glyphosate + dicamba premix formulations. \$6,075. Monsanto (Service Order #81). Funded/Texas AgriLife Research (Account Manager of \$4,821.43; IDC of \$1,253.57 or 20.63%).
299. Dotray, P.A. 2012. Weed management in DGT cotton. \$10,000. Monsanto (Service Order #83). Funded/Texas AgriLife Research (Account Manager of \$7,937; IDC of \$2,063 or 20.63%).
300. Dotray, P.A. 2012. Cotton safety to Warrant, peanut tolerance and weed management with Warrant. \$18,270. Monsanto. (Service Order #88). Funded/Texas AgriLife Research (Account Manager of \$14,500; IDC of \$3,770 or 20.63%).
301. Dotray, P.A. 2012. Weed management education and training. \$5,000. Monsanto. Funded/Texas AgriLife Research.
302. Dotray, P.A. 2012. Weed management education and training. \$5,000. Monsanto. Submitted/Texas AgriLife Extension Service.
303. Dotray, P.A. 2012. Cotton weed management at layby. Nichino America, Inc. \$2,000.00. Funded/Texas Tech University.
304. Dotray, P.A. 2012. Tolerance and weed management in Enlist cotton. Dow AgroSciences. \$8,000. Funded/Texas A&M AgriLife Research.
305. Dotray, P.A. 2012. Gift-in-kind. Dow AgroSciences. \$2,000. Funded/Texas AgriLife Research.
306. Dotray, P.A. 2012. Glyphosate performance using different adjuvants. Tri-Star Chemical.
307. Dotray, P.A. 2012. Evaluation of Brimstone and other additives when tank mixed with glyphosate. \$7,560.00. Wilbur Ellis. Funded/Texas Pest Management Association.

308. Dotray, P.A. 2012. Lorox layby in cotton. \$2,000. NovaSource. Funded/TPMA.
309. Dotray, P.A. and J.W. Keeling. 2012. Influence of Water Quality on Weed Control by Glyphosate. Cotton Incorporated. \$22,000. Funded (for 2013)/Texas AgriLife Research.
310. Dotray, P.A. and J.W. Keeling. 2012. Evaluation of Enlist (2,4-D Tolerant) cotton systems in the Texas High Plains. Cotton Incorporated. \$15,000. Funded (for 2013)/Texas Tech University.
311. Morgan, G., P. Baumann, P. Dotray, W. Keeling. 2012. Minimizing the impact of herbicide resistant common waterhemp and Palmer amaranth on cotton production. The Cotton Foundation. \$19,000. Funded/Texas AgriLife Extension Service (Account Manager: \$0).
312. Dotray, P.A. 2012. Adjuvants with glyphosate and pyriithiobac. West Central, Inc. \$4,500.00. Funded/Texas Tech University.
313. Grichar, W.J. and P.A. Dotray. 2012. Weed control and crop response to herbicides applied in castor. Chevron. \$7,250. Funded/Texas A&M AgriLife Research (Account Manager: \$0).
314. Dotray, P.A. 2012. Tolerance and weed control in sesame. American Sesame Growers Association. \$2,500. Funded/Texas Tech University.
315. Dotray, P.A. 2013. Enlist Duo weed control systems in cotton. Dow AgroSciences. \$10,000. Funded/Texas A&M AgriLife Research (F&A \$2,063 or 20.63%).
316. Dotray, P.A. 2013. Enlist Duo efficacy, volatility and plant back demonstrations; Weed control in corn. Dow AgroSciences. \$7,750 (\$6,000+\$1,750). Funded/Texas A&M AgriLife Research.
317. Dotray, P.A. 2013. Differential sorghum tolerance to weeds. \$5,000. Chromatin. Funded/Texas Tech University.
318. Dotray, P.A. 2013. ET use as a preplant burndown in cotton, early-postemergence in peanut, and postemergence in sorghum. \$6,400. Nichino. Submitted/Texas A&M AgriLife Research.
319. Dotray, P.A. 2013. Weed control in corn and a comparison of Dual Magnum and Warrant in cotton. \$8,000. Syngenta. Funded/Texas A&M AgriLife Research.
320. Dotray, P.A. 2013. Crop response and weed management with pethoxamide in peanut, sorghum, and cotton. \$22,500. Cheminova. Funded/Texas Tech University.
321. Dotray, P.A. 2013. Glyphosate gene equivalency. \$20,000. Monsanto. Funded/Texas Tech University (F&A \$4,127 or 20.64%).
322. Dotray, P.A. 2013. RRXtend with LibertyLink Cotton. \$36,000. Monsanto.

- Funded/Texas A&M AgriLife Research (Service Order No. 7 (\$26,640 + \$9,360 F&A).
323. Dotray, P.A. 2013. Grant-In-Aid. \$5,000. Monsanto. Funded/Texas A&M AgriLife Research.
 324. Dotray, P.A. 2013. Weed control systems in RRXtend Cotton. \$12,000. Monsanto. Funded/Texas A&M AgriLife Research (Service Order No. 9).
 325. Dotray, P.A. 2013. Peanut tolerance and weed control with pyroxasulfone and Fierce. Valent. \$7,000. Funded/Texas AgriLife Research.
 326. Dotray, P.A. 2013. Weed management in corn with dicamba and Corvus. Bayer CropScience. \$4,000. Funded. Texas Tech University.
 327. Dotray, P.A. 2013. Weed management in sorghum with Huskie; Huskie postemergence-directed in cotton; Huskie safening with additives. Bayer CropScience. \$4,000. Funded. Texas Plant Management Association.
 328. Dotray, P.A. 2013. Ignite efficacy using tank mix combinations and different spray tips. Bayer CropScience. \$8,000. Funded. Texas Tech University.
 329. Dotray, P.A. 2013. Weed management in corn. DuPont. \$4,500. Funded/Texas AgriLife Research.
 330. Dotray, P.A. 2013. Weed management systems in ALS-tolerant sorghum. DuPont. \$7,000. Funded/Texas AgriLife Research.
 331. Dotray, P.A. 2013. Weed management in peanut with Zidua. BASF. \$5,400. Funded/Texas AgriLife Extension (Task Order No. 4).
 332. Dotray, P.A. 2013. Weed management systems in peanut with Zidua. BASF. \$5,000. Funded/Texas AgriLife Research.
 333. Dotray, P.A. 2013. Adjuvants with glyphosate and pyriithiobac in glyphosate-tolerant cotton and adjuvants with glyphosate in noncrop. West Central, Inc. \$7,500.00. Funded/Texas Tech University.
 334. Dotray, P.A. 2013. Weed control and crop response using pyroxasulfone in peanut. FMC. \$6,000. Funded/Texas AgriLife Research.
 335. Dotray, P.A. 2013. Tolerance and weed control in sesame using POST herbicides. American Sesame Growers Association. \$4,000. Funded/Texas Tech University.
 336. Dotray, P.A. 2013. Vegetation management. Dow AgroSciences. \$4,000. Funded/Texas Tech University.
 337. Morgan, G., P. Baumann, and P. Dotray. 2013. Minimizing the impact of herbicide resistant Palmer amaranth and common waterhemp on cotton production in Texas. The

- Cotton Foundation. \$19,000. Funded/Texas A&M AgriLife Extension Service.
(Account Manager - \$0).
338. Woodward, J., T. Wheeler, P. Dotray, and J. Grichar. 2013. Peanut Production and disease management systems in Texas. \$60,000. Texas Peanut Producers Board. Funded/Texas AgriLife Research. (Account Manager - \$7,500).
339. Woodward, J., T. Wheeler, P. Dotray, and J. Grichar. 2013. Peanut Production and disease management systems in Texas. \$65,000. National Peanut Board. Submitted/Texas AgriLife Research. (Account Manager - \$5,000).
340. Dotray, P.A. and J.W. Keeling. 2013. Influence of Water Quality on Weed Control by Glyphosate. Texas State Support Committee - Cotton Incorporated. \$22,000. Funded (for 2014)/Texas AgriLife Research.
341. Dotray, P.A. and J.W. Keeling. 2013. Evaluation of Enlist (2,4-D Tolerant) cotton systems in the Texas High Plains. Texas State Support Committee - Cotton Incorporated. \$15,000. Funded (for 2014)/Texas Tech University.
342. Dotray, P.A. and J.W. Keeling. 2013. Strategies for weed resistance management on the Texas Southern High Plains. Texas State Support Committee - Cotton Incorporated. \$25,000. Funded (for 2014)/Texas Tech University.
343. Auld, D.L. and P.A. Dotray. 2014. 1) Identification and selection for dicamba, 2,4-D, and HPPD tolerance in mutagenic upland cotton. 2) Improved Cottonseed Emergence from Cold Soils by Reducing Palmitic Acid Concentration in the Storage Oils. 3) Development of non-transgenic Ignite Tolerance in Cotton. \$539,015. Bayer CropScience. Funded/TTU. Account Manager - \$77,500 in year 1 (\$77,341 in year 2).
344. Dotray, P.A. 2014. Preemergence and postemergence herbicide interaction with Counter insecticide applied in-furrow. Amvac. \$19,600. Funded/Texas A&M AgriLife Research.
345. Dotray, P.A. 2014. Use of Zidua herbicide in peanut and Engenia weed management systems in cotton. BASF. \$17,500 (Task Order No. 11). Funded (\$13,889 and 26% IDC \$3,611)/Texas A&M AgriLife Extension Service.
346. Dotray, P.A. 2014. Grain sorghum tolerance to Facet L; Use of Zidua herbicide in black-eyed peanut and Beyond sunflowers. BASF. \$8,500 (\$2.5K + \$6K). Funded/Texas A&M AgriLife Research.
347. Dotray, P.A. 2014. Cotton tolerance and weed management systems with CHA-030. Cheminova. \$21,500. Funded/Texas Tech University.
348. Dotray, P.A. 2014. Anthem Flex: Varietal cotton tolerance and weed control in different soil types. FMC Corporation. \$3,000. Funded/Texas A&M AgriLife Research.
349. Dotray, P.A. 2014. Weed control and crop response using pyroxasulfone in peanut. FMC. 2250\$6,000. Funded/Texas AgriLife Research.

350. Dotray, P.A. 2014. Use of Brake herbicide in west Texas cotton. SePRO. \$2,250. Funded/Texas A&M AgriLife Research.
351. Dotray, P.A. 2014. Weed control systems in Bollgard II XtendFlex Cotton. \$12,600 (\$10,000 + \$2,600 F&A). Monsanto. Funded/Texas A&M AgriLife Research (Service Order No. 31).
352. Dotray, P.A. 2014. Effect of nozzle, application volume, environment. \$10,080 (\$8,000 + \$2,080 F&A). Monsanto. Funded/Texas A&M AgriLife Research (Service Order No. 28).
353. Dotray, P.A. 2014. Commercial herbicide tolerance trials - XtendFlex Cotton and LibertyLink Cotton. \$57,200 (\$57,200 + \$0 F&A). Monsanto. Funded/Texas Tech University (Service Order No. 18).
354. Dotray, P.A. 2014. Weed management systems in ALS-tolerant sorghum. DuPont. \$4,000. Funded/Texas AgriLife Research.
355. Dotray, P.A. 2014. Efficacy/tolerance of new Sequence formulation; Benefits of Quadris/Quadris Top in cotton. \$15,500. Syngenta. Funded/Texas A&M AgriLife Research.
356. Dotray, P.A. 2014. Phytogen cotton. \$8,400. Phytogen. Funded/Texas A&M AgriLife Research.
357. Dotray, P.A. 2014. Enlist demo. \$21,500 (\$9,000 + \$12,500). F&A ' \$4,425 or 20.6%). Dow AgroSciences. Funded/Texas A&M AgriLife Research (Service Order No. Xx).
358. Dotray, P.A. 2014. Enlist demo II. \$12,500. Dow AgroSciences. Funded/Texas Pest Management Association.
359. Dotray, P.A. 2014. Enlist cotton weed control systems. \$13,000. Dow AgroSciences. Funded/Texas A&M AgriLife Research.
360. Dotray, P.A. 2014. Liberty weed management systems, Huskie postemergence-directed, Huskie in grain sorghum, and Balance weed management systems. \$34,500. Bayer. Funded/Texas Pest Management Association.
361. Dotray, P.A. 2014. Liberty Grant-In-Aid. \$7,500. Bayer. Funded/Texas Tech University.
362. Dotray, P.A. 2014. Adjuvants with glyphosate, Engenia, and pyriithiobac a noncrop environment. West Central, Inc. \$11,000. Funded/Texas Tech University.
363. Woodward, J., T. Wheeler, J. Grichar, and P. Dotray. 2014. Peanut Production and disease management systems in Texas. \$41,101. Texas Peanut Producers Board. Funded/Texas AgriLife Research. (Account Manager - \$5,000).

364. Woodward, J., T. Wheeler, P. Dotray, and J. Grichar. 2014. Peanut Production and disease management systems in Texas. \$65,000. National Peanut Board. Funded/Texas AgriLife Research. (Account Manager - \$5,000).
365. Dotray, P.A. and J.W. Keeling. 2014. Strategies for weed resistance management on the Texas Southern High Plains. Texas State Support Committee - Cotton Incorporated. \$25,000. To be funded (for 2015)/Texas Tech University.
366. Dotray, P.A. and J.W. Keeling. 2014. Evaluation of Enlist (2,4-D Tolerant) cotton systems in the Texas High Plains. Texas State Support Committee - Cotton Incorporated. \$15,000. To be funded (for 2015)/Texas Tech University.
367. Bagavathiannan, M.V, W. Rooney, J.K. Norsworthy, and P.A. Dotray. 2014. Developing a risk assessment and management plan for mitigating transgene escape from cultivated sorghum into the environment. NIFA-BRAG grant. \$499,969. Not funded.
368. Dotray, P.A. 2014. Tolerance and weed control in sesame. Sesaco Corporation. \$10,000. Funded/Texas Tech University.
369. Woodward, J., P. Dotray, and J. Grichar. 2015. Peanut Management Systems for Texas. \$30,000 (Account Manager - \$5,000). National Peanut Board. Funded/Texas AgriLife Research.
370. Woodward, J., P. Dotray, and J. Grichar. 2015. Peanut Management Systems for Texas. \$30,000 (Account Manager - \$5,000). Texas Peanut Producers Board. Funded/Texas AgriLife Research.
371. Dotray, P.A, J.W. Keeling, M.V. Bagavathiannan, and J. McGinty. 2015. Strategies for weed resistance management on the Texas Southern High Plains. Texas State Support Committee - Cotton Incorporated. \$40,000. Funded (2016)/Texas Tech University.
372. Bagavathiannan, M.V., P.A. Dotray, P. Baumann, and J. McGinty. 2015. Understanding the level of resistance in Palmer amaranth, waterhemp, and kochia populations to key herbicides. Texas Corn Producers Board. \$29,945. Funded/Texas A&M AgriLife Research.
373. Bagavathiannan, M.V., P.A. Dotray, P. Baumann, and J. McGinty. 2015. Developing research knowledge for establishing zero-tolerance programs for pigweed management in Texas Cotton. Texas State Support Committee - Cotton Incorporated. \$26,443. Not Funded/Texas A&M AgriLife Research.
374. Dotray, P.A. 2015. Potential benefits of Quantis in stressed cotton/Weed control in corn utilizing Acuron. \$10,000. Syngenta. Funded/Texas A&M AgriLife Research.
375. Dotray, P.A. 2015. Weed management in XtendFlex cotton. Monsanto. \$10,080 (\$8,000 + \$2,080 IDC). Service Order No. 58. Funded/Texas A&M AgriLife Research.
376. Dotray, P.A. 2015. Warrant herbicide in peanut. Monsanto. \$6,300 (\$5,000 + 26% IDC

- (\$1,300)). Service Order No. 70. Funded/Texas A&M AgriLife Research.
377. Dotray, P.A. 2015. Weed management systems in cotton. Monsanto. \$6,300 (\$5,000 + \$1,300 IDC). Service Order No. 66. Funded/Texas A&M AgriLife Research.
378. Dotray, P.A. 2015. Commercial herbicide tolerance trials - XtendFlex Cotton and LibertyLink Cotton. \$41,496 (\$32,933 + \$8,563 F&A). Monsanto. Funded/Texas Tech University (Service Order No. 24).
379. Dotray, P.A. 2015. Afforia preplant in cotton, Staple weed management systems in XtendFlex cotton, and weed management systems in ALS-tolerant sorghum. DuPont. \$8,500. Funded/Texas AgriLife Research.
380. Dotray, P.A. 2015. Use of Zidua herbicide in peanut and Sharpen use in sesame as a harvest aid. BASF. \$13,000 (Task Order No. 21, \$10,317 + \$2,683 (26%)). Funded/Texas A&M AgriLife Research.
381. Dotray, P.A. 2015. Managing peanut maturity with diflufenzopyr-sodium. BASF. \$0,000 (Task Order No. 20). Texas A&M AgriLife Research.
382. Dotray, P.A. 2015. Use of Outlook plus Liberty or Roundup POST in cotton. BASF. \$3,500. Funded/Texas A&M AgriLife Research.
383. Dotray, P.A. 2015. Cotton tolerance and weed management systems with CHA-2735. Cheminova/FMC Corporation. \$13,000. Funded/Texas A&M AgriLife Research.
384. Dotray, P.A. 2015. Anthem Flex in cotton (4K) and peanut (3K). FMC Corporation. \$7,000. Funded/Texas A&M AgriLife Research.
385. Dotray, P.A. 2015. Liberty/Xtendimax non-crop efficacy (7K); Liberty plus tank-mix residuals (9K); Huskie activity in grain sorghum (1.5K); Liberty efficacy as influenced by spray tip, carrier volume, and time of day (12K), Alion use in pastures (3K), potential Huskie carryover (2K), and herbicide symptomology (1K). \$35,500. Bayer. Funded /Texas Pest Management Association.
386. Dotray, P.A. 2015. Use of Brake herbicide in west Texas cotton (3.6K) and peanut (0K). SePRO. \$3,600. Funded/Texas A&M AgriLife Research.
387. Dotray, P.A. 2015. Sesame tolerance to ETX applied preplant. Nichino. \$1,500. Submitted/Texas A&M AgriLife Research.
388. Dotray, P.A. 2015. Field screening of sorghum inbreds to herbicides. Chromatin. \$5,000. Funded/Texas Tech University.
389. Dotray, P.A. 2015. Screening for herbicide tolerance in sesame. Sesaco Corporation. \$10,000. Funded/Texas Tech University.
390. Dotray, P.A. 2015. Enlist weed control systems, Diamond Showcase, cotton response.

- Dow AgroSciences/Phytogen. \$42,500. Funded/Texas A&M AgriLife Research.
391. Dotray, P.A. 2015. Enlist weed control and crop response. Dow AgroSciences. \$7,000 + \$9,000. Funded/Texas A&M AgriLife Research.
 392. Auld, D.L., P.A. Dotray, V. Mendu, and G.C. Peterson. 2015. Development of non-transgenic herbicide tolerance in sorghum. National Grain Sorghum Producers Board. \$60,000. Not Funded.
 393. Woodward, J., P. Dotray, and J. Grichar. 2016. Peanut Management Systems for Texas. National Peanut Board. \$30,000 (Account Manager - \$5,000). Funded/Texas AgriLife Research.
 394. Woodward, J., P. Dotray, and J. Grichar. 2016. Peanut Management Systems for Texas. Texas Peanut Producers Board. \$30,000 (Account Manager - \$5,000). Funded/Texas AgriLife Research.
 395. Dotray, P.A., J.W. Keeling, M. Bagavathiannan, and J. McGinty. 2016. Strategies for weed resistance management on the Texas Southern High Plains. Texas State Support Committee - Cotton Incorporated. \$40,000. Funded for 2017/Texas Tech University.
 396. Dotray, P.A. 2016. Efficacy and crop selectivity of A21472C. Syngenta. \$8,000. Funded/Texas A&M AgriLife Research.
 397. Dotray, P.A. 2016. Inzen sorghum: Tolerance and weed control. DuPont. \$6,000. Funded/Texas A&M AgriLife Research.
 398. Dotray, P.A. 2016. Evaluation of HPPD-tolerant cotton and weed management systems. Bayer CropScience. \$24,320 (49% MTDC \$7,998 F&A). Funded/Texas Tech University.
 399. Dotray, P.A. 2016. Alion, Huskie, Liberty, spray tips, carrier volume studies. Bayer CropSciences. \$24,500. Funded/Texas Pest Management Association.
 400. Dotray, P.A. 2016. Simulated dicamba drift on cotton yield, fiber quality, and progeny. Bayer CropSciences. \$11,000. Funded/Texas A&M AgriLife Research.
 401. Dotray, P.A. 2016. Weed management systems in XtendFlex cotton. Monsanto. \$8,820 (\$7,000 + \$1,820 F&A). Funded/Texas A&M AgriLife Research (Service Order No. 87).
 402. Dotray, P.A. 2016. XtendFlex Cotton competitive efficacy. Monsanto. \$6,000 (\$4,762 + \$1,238 F&A). Funded/Texas A&M AgriLife Research (Service Order No. 103).
 403. Dotray, P.A. 2016. Roundup Ready Plus market development in cotton and Improved glyphosate formulations. Monsanto. \$13,104 (\$10,400 + \$2,704 F&A). Funded/Texas A&M AgriLife Research (Service Order No. 97).
 404. Dotray, P.A. 2016. Commercial herbicide tolerance trials - XtendFlex Cotton. Monsanto. \$34,040 (\$27,016 + \$7,024 F&A). Funded/Texas Tech University (Service Order No.

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405. Dotray, P.A. 2016. Grant-in-aid to support cotton research and extension activities. Monsanto. \$5,000. Funded/Texas A&M AgriLife Research.
 406. Dotray, P.A. 2016. Anthem Flex in cotton and peanut in coarse soils. FMC. \$6,000. Funded/Texas A&M AgriLife Research.
 407. Dotray, P.A. 2016. Enlist weed control and crop response. Dow AgroSciences. \$6,500 (\$4,680 + \$1,820 F&A). Funded/Texas A&M AgriLife Research.
 408. Dotray, P.A. 2016. Use of Brake herbicide in a coarse soil. SePRO. \$3,600. Funded/Texas A&M AgriLife Research.
 409. Dotray, P.A. 2016. Use of adjuvants with dicamba. West Central Incorporated. \$4,250. Funded/Texas Tech University.
 410. Dotray, P.A. 2016. Use of additives with dicamba. Rotam. \$3,000. Funded/Texas A&M AgriLife Research.
 411. Dotray, P.A. 2016. Sorghum herbicide symptomology demonstration. National Grain Sorghum Board. \$5,000. Funded/Texas Tech University.
 412. Dotray, P.A. 2016. Screening for early postemergence herbicide tolerance in sesame. Sesaco Corporation. \$5,000. Funded/Texas Tech University.
 413. Dotray, P.A. 2016. Spring weed control following fall and spring applied systems that involve Envoke. Syngenta. \$2,500. Funded/Texas A&M AgriLife Research.
 414. Woodward, J., P. Dotray, and J. Grichar. 2017. Peanut Management Systems for Texas. Texas Peanut Producers Board. \$30,000 (Account Manager - \$5,250). Funded/Texas AgriLife Research.
 414. Dotray, P.A. 2017. Weed efficacy using improved glyphosate formulations. Monsanto. \$6,804 (\$5,035 + 26% IDC (\$1,769)). Service Order No. 116. Funded/Texas A&M AgriLife Research.
 415. Dotray, P.A. 2017. PPI and PRE herbicides in an XtendFlex cotton system. Monsanto. \$8,820 (\$7,000 + 26% IDC (\$1,820)). Service Order No. 121. Funded/Texas A&M AgriLife Research.
 416. Dotray, P.A. 2017. Liberty tolerance in XtendFlex cotton. Monsanto. \$15,000 (\$11,904.76 + 26% IDC (\$3,095.24)). Service Order No. 27. Funded/Texas Tech University.
 417. Dotray, P.A. 2017. Evaluate yield and phytotoxicity in HPPD-tolerant cotton. Bayer CropScience. \$24,192 (\$16,236 + 49% MTDC (\$7,956)). Funded/Texas Tech University.

418. Dotray, P.A. 2017. Efficacy of Liberty based on rates and sequential timings. Bayer CropSciences. \$5,000. Funded/Texas Pest Management Association.
419. Dotray, P.A. 2017. Anthem Flex weed control systems in peanut and impregnated Anthem Flex in cotton. FMC Corporation. \$10,000. Funded/Texas A&M AgriLife Research.
420. Dotray, P.A. 2017. Efficacy and crop selectivity of A21472 (s-metolachlor + dicamba). Syngenta. \$7,500. Funded/Texas A&M AgriLife Research.
421. Dotray, P.A. 2017. Moccasin plus Interline in cotton, and Enlist Cotton Programs. United Phosphorus Incorporated. \$6,500. Funded/Texas A&M AgriLife Research
422. Dotray, P.A., J.W. Keeling, M. Bagavathiannan, and J. McGinty. 2017. Herbicide resistance management and weed seedbank ecology in Texas Cotton. Texas State Support Committee - Cotton Incorporated. \$40,000. Funded for 2018/Texas Tech University.
423. Dotray, P.A. 2017. Cotton tolerance to Outlook. BASF. \$2,000. Funded/Texas A&M AgriLife Research.
424. Dotray, P.A. 2017. Zidua in peanut and Engenia competitive systems in cotton. BASF. \$6,000. Funded/Texas Tech University.
425. Dotray, P.A. 2017. Inzen sorghum: Tolerance and weed control, and Inzen sorghum tolerance demo. DuPont. \$10,500. Funded/Texas A&M AgriLife Research.
426. Dotray, P.A. 2017. Enlist weed control and crop response, and kochia control with Starane. Dow AgroSciences. \$5,700. Funded/Texas A&M AgriLife Research.
427. Dotray, P.A. 2017. Weed control using Brake PRE followed by various POST options. SePRO. \$2,500. Funded/Texas A&M AgriLife Research.
428. Dotray, P.A. 2017. Use of adjuvants with dicamba in XtendFlex cotton. West Central Incorporated. \$4,250. Funded/Texas Tech University.
429. Dotray, P.A. 2017. Screening for early postemergence herbicide tolerance in sesame. Sesaco Corporation. \$10,000. Funded/Texas Tech University.
430. Lewis, K., T. Wheeler, P. Dotray, and J. Grichar. 2018. Peanut production systems for Texas. National Peanut Board and Texas Peanut Producers Board. \$65,500 (Account Manager \$4,465.50). Funded/Texas AgriLife Research.
431. Dotray, P.A., M. Bagavathiannan, J. McGinty, and J.W. Keeling. 2018. Herbicide resistance management and weed seedbank ecology in Texas Cotton. Texas State Support Committee - Cotton Incorporated. \$40,750. Funded for 2019/Texas Tech University.
432. Nusser, D, J. Woodward, and P. Dotray. 2018. Cotton premier extension educational program to enable producers/agents to effectively manage technology. Texas State

- Support Committee - Cotton Incorporated. \$3,000. Funded/Texas A&M AgriLife Extension Service.
433. Dotray, P.A. 2018. Warrant + dicamba premixes applied early POST in cotton. Monsanto. \$7,560 (\$6,000 + \$1,560 F&A). Service Order No. 141. Funded/Texas A&M AgriLife Research.
 434. Dotray, P.A. 2018. Improved Roundup formulations. Monsanto. \$7,560 (\$6,000 + \$1,560 F&A). Service Order No. 142. Funded/Texas A&M AgriLife Research.
 435. Dotray, P.A. 2018. Warrant + dicamba premixes applied late POST in cotton. Monsanto. \$7,560 (\$6,000 + \$1,560 F&A). Service Order No. 144. Funded/Texas A&M AgriLife Research.
 436. Dotray, P.A. 2018. Lack of initial weed control in cotton. Monsanto. \$7,938 (\$6,300 + \$1,638 F&A). Service Order No. 150. Funded/Texas A&M AgriLife Research.
 437. Dotray, P.A. 2018. XtendFlex systems. Monsanto. Unrestricted gift. \$7,000. Funded/Texas A&M AgriLife Research.
 438. Dotray, P.A. 2018. Xtendimax efficacy when varying weed size and sequential order with other postemergence herbicides with and without a residual herbicide (Warrant). Monsanto. \$20,000. Funded/Texas A&M AgriLife Extension Service.
 439. Dotray, P.A. 2018. IFT cotton yield trial. Bayer CropScience. \$22,500 (\$16,211 + 49% MTDC (\$6,289)). Funded/Texas Tech University.
 440. Dotray, P.A. 2018. Efficacy of Liberty based on rates and sequential timings and the use of Liberty in an Enlist cotton system. Bayer CropSciences. \$10,000. Funded/Texas Pest Management Association.
 441. Dotray, P.A. 2018. Tavium Plus VaporGrip Technology in XtendFlex cotton. Syngenta. \$7,500. Funded/Texas A&M AgriLife Research.
 442. Dotray, P.A. 2018. BASF portfolio on cotton with Liberty. BASF. \$5,000. Funded/Texas Tech University.
 443. Dotray, P.A. 2018. Kochia control in Enlist cotton / Enlist Duo and Enlist One efficacy on Palmer amaranth when varying sequential treatments and weed size. Dow. \$3,500 Funded/Texas A&M AgriLife Research.
 444. Dotray, P.A. 2018. Brake PRE followed by POST programs in West Texas. SePRO. \$2,500. Funded/Texas A&M AgriLife Research.
 445. Dotray, P.A. 2018. Liberty adjuvants and Engenia plus drift reduction agents in cotton. West Central Incorporated. \$8,400. Funded/Texas Tech University.
 446. Dotray, P.A. 2018. Screening for very early postemergence, early postemergence, and mid-postemergence herbicide tolerance in sesame. Sesaco Corporation. \$10,000.

- Funded/Texas Tech University.
447. Dotray, P.A. 2018. Moccasin plus Interline in cotton, and Enlist Cotton Programs. United Phosphorus Incorporated. \$2,500. Funded/Texas A&M AgriLife Extension Service.
 448. Li, N., C. Gibson, E. Irleck, and P. Dotray. 2018. Pesticide Outreach and Education Improvement Project. \$187,568. Funded/Texas Department of Agriculture.
 449. Kimura, E., M. Baring, P. DeLaune, P. Dotray, J. Grichar, K. Lewis, J. McGinty, and B. Whitney. 2019. Improving Texas Peanut Grower profitability. National Peanut Board and Texas Peanut Producers Board. \$90,000. Funded/Texas A&M AgriLife Research. (Account Manager \$7,000)
 450. Montague, D., E. Hellman, W. Guo, M. Bougreau, K. Williams, and P. Dotray. 2019. Enhancing technology to assist West Texas grape growers detect auxin-based herbicide injury. Texas Department of Agriculture Specialty Crop Block Grant. \$121,796/Submitted.
 451. Dotray, P.A. 2019. IFT cotton yield trial, weed management systems, and preemergence tank-mix combinations. BASF Corporation. \$30,000 (\$21,399 + 49% Indirect costs (\$8,601)). Funded/Texas Tech University.
 452. Lewis, K., T. Wheeler, T. Gentry, P. Dotray, J. Cason, C. Simpson, M. Burow, and P. DeLaune. 2019. Addressing the challenges of organic peanut production with conservation management strategies and breeding. USDA-NIFA-OREI. \$993,516/Not Funded.
 453. Dotray, P.A. 2019. Kochia control in Enlist cotton / Enlist Duo and Enlist One efficacy on Palmer amaranth when varying sequential treatments and weed size. Corteva. \$10,000 Funded/Texas A&M AgriLife Research.
 454. Dotray, P.A. 2019. Dichlorprop-P preplant control of kochia and Palmer amaranth and cotton response. Nufarm. Funded/\$15,000. Texas A&M AgriLife Research.
 455. Dotray, P.A. 2019. Bayer corn herbicides – University demonstration. Bayer. Funded/\$3,000. Texas Pest Management Association.
 456. Dotray, P.A. 2019. Gramoxone Magnum burndown and residual control and Tavium Plus VaporGrip Technology use in cotton. Syngenta. \$6,500. Funded/Texas A&M AgriLife Research.
 457. Dotray, P.A. and W.J. Grichar. 2019. Sesame tolerance to ethalfluralin applied at different preplant timings, rates, and in combination with metolachlor. Gowan. \$6,000. Funded/Texas A&M AgriLife Research. (Account Manager \$3,000).
 458. Dotray, P.A. 2019. Cotton safety – Improved glyphosate formulation. Bayer CropScience. \$6,300 (\$5,000 + \$1,300 F&A). Service Order No. 181. Funded/Texas A&M AgriLife Research.

459. Dotray, P.A. 2019. Competitive trait: Glyphosate tolerant cotton. Bayer CropScience. \$6,300 (\$5,000 + \$1,300 F&A). Service Order No. 180. Funded/Texas A&M AgriLife Research.
460. Dotray, P.A. 2019. Cotton safety / efficacy with dicamba tank-mix combinations. Bayer CropScience. \$4,410 (\$3,900 + \$510 F&A). Service Order No. 190. Funded/Texas A&M AgriLife Research.
461. Dotray, P.A. 2019. Engenia, Enlist One, clethodim + Liberty, Xtendimax, and HPPD adjuvants in cotton. West Central Incorporated. \$24,200. Funded/Texas Tech University.
462. Dotray, P.A. 2019. Efficacy and XtendFlex cotton tolerance using Liberty and weed management comparisons using auxin technologies. BASF Corporation. \$5,500. Funded/Texas Tech University.
463. Dotray, P.A. 2019. Weed management systems in igrowth sorghum and Satellite Flex comparisons. UPL. \$9,000. Funded/Texas Pest Management Association.
464. Dotray, P.A. 2019. Evaluate tolerance of genetically tolerant sorghum to quizalofop-ethyl. S&W Seed Company. \$10,000 (\$6,734 + \$3,266 IDC). Funded/Texas A&M AgriLife Research.
465. Dotray, P.A. 2019. XtendFlex systems. Monsanto. Unrestricted gift. \$7,000. Funded/Texas A&M AgriLife Research.
466. Dotray, P.A., M. Bagavathiannan, J. McGinty, and J.W. Keeling. 2019. Herbicide resistance management and weed seedbank ecology in Texas Cotton. Texas State Support Committee - Cotton Incorporated. \$40,000. Funded for 2020/Texas Tech University. (Account Manager \$22,163.41)
467. Kimura, E., P. Abello, M. Baring, P. DeLaune, P. Dotray, J. Grichar, K. Lewis, J. McGinty, C. Monclova-Santana, and B. Whitney. 2020. Improving Texas Peanut Grower profitability. National Peanut Board and Texas Peanut Producers Board. \$90,000. Funded/Texas A&M AgriLife Research. (Account Manager \$7,000)
468. Cason, J.M., K.L. Lewis, E. Kimura, M.D. Burow, C.E. Simpson, M.R. Baring, N. Puppala, C. Monclova-Santana, P. Dotray, T. Gentry, P. DeLaune, and B.F. McCutchen. 2020. Addressing the challenges of organic peanut production with conservation management strategies and breeding. Not Funded/National Institute of Food and Agriculture. \$998,718.
469. Dotray, P.A. 2020. Use of dichlorprop-P preplant postemergence at different wheat stages. Nufarm. Funded/\$6,000. Texas A&M AgriLife Research.
470. Dotray, P.A., M. Bagavathiannan, J. McGinty, S. Nolte, and J.W. Keeling. 2020. Herbicide resistance management and weed seedbank ecology in Texas Cotton. Texas State Support Committee - Cotton Incorporated. \$50,000. Funded for 2021/Texas Tech University.

471. Dotray, P.A. 2020. A multi-tactic approach for minimizing Palmer amaranth seedbank replenishment in cotton. Cotton Incorporated – CORE. Funded/\$23,000. Texas Tech University.
472. Dotray, P.A. and J.W. Keeling. 2020. Precision cultivation using sweeps and in-row finger weeders guided by GPS-RTK or cameras for weed control in cotton. Cotton Incorporated – CORE. Funded/\$23,000. Texas A&M AgriLife Research.
473. Dotray, P.A. 2020. Investigation of possible Palmer amaranth herbicide tolerance shifts and mitigation strategies. Cotton Incorporated – CORE. Funded/\$12,000. Texas Tech University.
474. Dotray, P.A. 2020. IFT cotton yield trial, weed management systems, and preemergence tank-mix combinations. BASF Corporation. \$30,000 (\$21,399 + 49% Indirect costs (\$8,601)). Funded/Texas Tech University.
475. Dotray, P.A. 2020. GLITP/GLIXTP cotton response to HPPD-inhibiting herbicides. BASF Corporation. \$20,000 (\$5,000 + \$15,000). Funded/Texas Tech University.
476. Dotray, P.A. 2020. Cotton tolerance and kochia control following dichlorprop-P preplant and Palmer amaranth control following dichlorprop-P postemergence. Nufarm. Funded/\$18,000. Texas A&M AgriLife Research.
477. Dotray, P.A. 2020. Performance of glufosinate on sesame. IR-4 Project P11148. Funded/\$7,500. Texas A&M AgriLife Research.
478. Dotray, P.A. 2020. Herbicide programs in Advanta igrowth sorghum. UPL. Funded/\$5,000. Texas A&M AgriLife Research.
479. Dotray, P.A. 2020. Sequential applications of Engenia and Liberty with Outlook. BASF. Funded/\$3,500. Texas Tech University.
480. Dotray, P.A. 2020. Tavium Plus VaporGrip Technology in Bollgard II XtendFlex Cotton. Syngenta. Funded/\$2,000. Texas A&M AgriLife Research.
481. Dotray, P.A. 2020. Bayer corn portfolio, Xtend programs, and Huskie FX. Bayer CropScience. Funded/\$9,500. Texas Pest Management Association.
482. Dotray, P.A. and J.W. Grichar. 2020. Sesame tolerance to Sonalan preplant followed by Dual early postemergence. Gowen. Funded/\$6,000. Texas A&M AgriLife Research. (Account Manager \$3,000).
483. Dotray, P.A. 2020. Adjuvants for Xtend Ready and Callisto. CHS. Funded/\$20,400. Texas Tech University.
484. Dotray, P.A. 2020. Adjuvants for Enlist One and Balance Pro. Exacto Inc. Funded/\$10,000. Texas Tech University.
485. Dotray, P.A. 2020. Quizalofop tolerant sorghum: crop response and weed control.

- ADAMA and S&W Seeds. Funded/\$15,000. Texas Tech University.
486. Dotray, P.A. 2020. Sorghum tolerance to clethodim plant-back. United Sorghum Checkoff Program. Funded/\$5,000. Texas A&M AgriLife Research.
 487. Dotray, P.A. 2021. A multi-tactic approach for minimizing Palmer amaranth seedbank replenishment in cotton. Cotton Incorporated – CORE. Funded/\$23,000. Texas Tech University.
 488. Dotray, P.A. and J.W. Keeling. 2021. Precision cultivation using sweeps and in-row finger weeders guided by GPS-RTK or cameras for weed control in cotton. Cotton Incorporated – CORE. Funded/\$20,000. Texas A&M AgriLife Research.
 489. Dotray, P.A. 2021. Investigation of possible Palmer amaranth herbicide tolerance shifts and mitigation strategies. Cotton Incorporated – CORE. Funded/\$12,000. Texas Tech University.
 490. Kimura, E., C. Monclova-Santana, F. Abello, J. McGinty, K. Lewis, P. DeLaune, P. Dotray, and J. Grichar. 2021. Improving Texas Peanut Grower profitability. Texas Peanut Producers Board. \$90,000. Funded/Texas A&M AgriLife Research. (Account Manager \$5,000)
 491. Dotray, P.A., M. Bagavathiannan, J. McGinty, and S. Nolte. 2021. Herbicide resistance management in Texas Cotton. Texas State Support Committee - Cotton Incorporated. \$50,000. Funded for 2022/Texas Tech University.
 492. Guo, W. and P.A. Dotray. 2021. Integrating unmanned aerial systems and smartphone images for weed monitoring and precision management in cotton at the field scale. Texas State Support Committee - Cotton Incorporated. \$43,077. Not Funded.
 493. Dotray, P.A. 2021. GLITP/GLIXTP Alite 27 cotton DUP trial. \$10,000. BASF Corporation. Funded/Texas Tech University.
 494. Dotray, P.A. 2021. Cotton tolerance to Zidua postemergence. \$5,000. BASF Corporation. Funded/Texas Tech University.
 495. Dotray, P.A. 2021. Sorghum response to quizalofop. S&W Seeds. Funded/8,000. Texas Tech University.
 496. Dotray, P.A. 2021. Xtendimax hooded sprayer deposition. \$13,000 (IDC \$4,419). Service Order 227. BayerCrop Science. Funded/Texas A&M AgriLife Research.
 497. Dotray, P.A. 2021. High load Warrant in grain sorghum. \$7,150 (IDC \$2,430). Service Order 220. BayerCrop Science. Funded/Texas A&M AgriLife Research.
 498. Dotray, P.A. 2021. Dicamba plus glufosinate tankmix in bareground. \$8,190 (IDC \$2,784). Service Order 216. Bayer CropScience. Funded/Texas A&M AgriLife Research.
 499. Dotray, P.A. 2021. Dicamba in tank mix with soil residual herbicides in cotton. \$5,000.

- Bayer CropScience. Funded/Texas A&M AgriLife Extension.
500. Dotray, P.A. 2021. Huskie FX in grain sorghum. \$2,000. Bayer CropScience. Funded/Texas A&M AgriLife Extension.
 501. Dotray, P.A. 2021. Sorghum tolerance to ACCase inhibitors in a plant-back situation and grassy weed control using new sorghum technologies. United Sorghum Checkoff Program. Funded/\$10,000. Texas A&M AgriLife Research.
 502. Dotray, P.A. 2021. Tavium Plus VaporGrip Technology in XtendFlex Cotton. Syngenta. Funded/\$2,000. Texas A&M AgriLife Research.
 503. Dotray, P.A. 2021. Glufonisate + Roundup PowerMax Adjuvants and Callisto Adjuvants for weed efficacy. CHS. Funded/\$12,300. Texas Tech University.
 504. Dotray, P.A. 2021. FirstAct in Sorghum and Glufosinate in Enlist cotton. ADAMA. Funded/\$12,500. Texas Tech University.
 505. Dotray, P.A. 2021. Anthem Flex impregnated on AMS in cotton. FMC. Funded/\$5,000. Texas A&M AgriLife Extension Service.
 506. Dotray, P.A. 2021. Use of adjuvants to improve glufosinate efficacy in greenhouse studies under low humidity conditions. Solvay Chemicals Inc. Funded/\$5,595. Texas Tech University.
 507. Montague, D.T, P. Dotray, and K. Williams. 2021. Development of a novel method to assist grape growers reduce off-target auxin herbicide drift related injury. \$117,552 (Account Manager \$0). Texas Department of Agriculture 551.
 508. Nolte, S., J. McGinty, and P. Dotray. 2021. Auxin herbicide drift and volatility management – Education and applied research for Texas. \$647,405 (Account Manager \$27,501). Texas Department of Agriculture 551.
 509. Dotray, P.A. 2022. Sorghum time of day herbicide tolerance in the greenhouse. ADAMA. \$4,000. Funded/Texas A&M AgriLife Research.
 510. Dotray, P.A. and J.M. Bell. 2022. High Plains corn and cotton producer survey and control of troublesome weeds in corn. Texas Corn Producers Board. \$13,000. Funded/Texas A&M AgriLife Research.
 511. Dotray, P.A., M. Bagavathiannan, J. McGinty, and S. Nolte. 2022. Herbicide resistance management in Texas Cotton. Texas State Support Committee - Cotton Incorporated. \$50,000. Funded for 2023/Texas Tech University.
 512. Guo, W. and P.A. Dotray. 2022. Assessing Herbicide Resistance Integrating Smartphone and Unmanned Aerial System Images for Precision Weed Management in Cotton. Texas State Support Committee - Cotton Incorporated. \$42,603. Not Funded/Texas Tech University.

513. Dotray, P.A. 2022. A multi-tactic approach for minimizing Palmer amaranth seedbank replenishment in cotton. Cotton Incorporated – CORE. Funded for 2022/\$23,000. Texas Tech University.
514. Dotray, P.A. and J.W. Keeling. 2022. Precision cultivation using sweeps and in-row finger weeders guided by GPS-RTK. Cotton Incorporated – CORE. Funded for 2022/\$10,000. Texas A&M AgriLife Research.
515. Dotray, P.A. 2022. Evaluation of Systems to Manage Dicamba – Resistant Palmer Amaranth. Cotton Incorporated – CORE. Funded for 2022/\$12,000. Texas Tech University.
516. Cason, J., B. McCutchen, B. Whitney, C. Monclova-Santana, C. Simpson, E. Kimura, K. Lewis, M. Burow, P. De Laune, and P. Dotray. 2022. Addressing the challenges of organix peanut production with conservation management strategies and breeding. \$1,497,858. Not Funded/USDA-National Institute of Food and Agriculture.
517. Bagavathiannan, M., E. Kimura, J. Mowrer, J. Dever, N. Rajan, N. Subramanian, and P. Dotray. 2022. Expanding organic cotton production in the US cotton belt through research and outreach on regenerative practices. \$2,999,811. Not Funded/USDA-National Institute of Food and Agriculture.
518. Kimura, E., C. Monclova-Santana, F. Abello, J. McGinty, K. Lewis, P. DeLaune, P. Dotray, and J. Grichar. 2022. Improving Texas Peanut Grower profitability. Texas Peanut Producers Board. \$90,000. Funded/Texas A&M AgriLife Research. (Account Manager \$5,000)
519. Dotray, P.A. 2022. Dicamba deposition when comparing a broadcast hood vs open boom sprayer. Bayer CropScience. \$12,600. Funded/Texas Tech University.
520. Dotray, P.A. 2022. Dicamba paired with at-plant herbicides and Huskie vs. Huskie FX in grain sorghum. Bayer CropScience. \$7,400. Funded/Texas Pest Management Association.
521. Dotray, P.A. 2022. Topramazone in Axant™ Flex cotton. BASF Corporation. \$12,500. Funded/Texas Tech University.
522. Dotray, P.A. 2022. Corn safety and weed control (\$5,500), Engenia plus soil residual herbicides (\$4,000), BAS850 in peanut (\$3,000). BASF. \$12,500. Funded/Texas Tech University.
523. Dotray, P.A. 2022. Value of soil residuals in Axant™ cotton (\$6,000), Alite 27 EPOST (\$8,000), Alite 27 systems (\$10,000). BASF. \$24,000. Funded/Texas A&M AgriLife Research.
523. Dotray, P.A. 2022. Isoxaflutole reactivation (\$3,000) and cotton response to Prowl H2O OTT (\$5,000). BASF. \$8,000. Funded/Texas Tech University.

523. Dotray, P.A. 2022. Tavium Plus VaporGrip Technology in XtendFlex Cotton and preemergence weed control in sorghum. Syngenta. \$4,000. Funded/Texas A&M AgriLife Research.
524. Dotray, P.A. 2022. CHS adjuvants in tank-mix with paraquat, dicamba, or glufosinate. CHS. \$13,950. Funded/Texas Tech University.
525. Dotray, P.A. 2022. Performance of glufosinate on sesame and Performance of diuron on sesame. IR-4 Projects P11148 and P12680. IR-4. \$16,666.50. Funded/Texas A&M AgriLife Research.
526. Dotray, P.A. 2022. ImiFlex forage sorghum efficacy and ImiFlex tank-mixed with Huskie. UPL. \$6,500. Funded /Texas A&M AgriLife Research.
527. Dotray, P.A. 2022. FirstAct time-of-day in Double Team Sorghum, use of ADM 07000H7A in DT sorghum, and DT weed control systems. ADAMA. \$15,500. Funded/Texas A&M AgriLife Research.
528. Dotray, P.A. 2022. Glufosinate formulations. Albaugh. \$4,800. Funded/Texas A&M AgriLife Research.
529. Dotray, P.A. 2022. Kochia burned down using Riviton. Helm Agro. \$3,000 + \$6,000. Funded/Texas A&M AgriLife Research.
530. Dotray, P.A. 2022. Efficacy of Anthem Flex impregnated. FMC. \$5,000. Funded/Texas A&M AgriLife Research.
531. Dotray, P.A. 2022. Comparison of new sorghum technologies, preemergence sorghum screen, postemergence sorghum screen. United Sorghum Checkoff Program. \$20,000. Funded/Texas A&M Agrilife Research.
532. Bagavathiannan, M., B. McKight, D. Kerns, J. Mowrer, K. Lewis, L. Ribera, M. Maeda, N. Rajan, P. Dotray, S. Calabrese, S. Babu, and T. Isakeit. 2022. Climate-smart cotton: Developing precision regenerative practices and market opportunities for addressing climate change in the US cotton belt. \$9,989,860. Not funded/USDA-NIFA.
533. Dotray, P.A. 2022. Use of adjuvants to improve glufosinate efficacy in greenhouse studies under low humidity conditions. Solvay Chemicals Inc. Funded/\$5,595. Texas Tech University.
534. Dotray, P.A. 2023. A multi-tactic approach for minimizing Palmer amaranth seedbank replenishment in cotton. Cotton Incorporated – CORE. Funded for 2023/\$23,000. Texas Tech University.
535. Dotray, P.A. 2023. Evaluation of Systems to Manage Dicamba – Resistant Palmer Amaranth. Cotton Incorporated – CORE. Funded for 2023/\$12,000. Texas Tech University.

536. Dotray, P.A. and W. Guo. 2023. Cotton and weed image repository. Cotton Incorporated-CORE. Funded for 2023/\$20,000. Texas Tech University.
537. Dotray, P.A., M. Bagavathiannan, J. McGinty, and S. Nolte. 2023. Herbicide resistance management in Texas Cotton. Texas State Support Committee - Cotton Incorporated. \$50,000. Funded for 2024/Texas Tech University.
538. Guo, W. and P.A. Dotray. 2023. Assessing Herbicide Resistance Integrating Smartphone and Unmanned Aerial System Images for Precision Weed Management in Cotton. Texas State Support Committee - Cotton Incorporated. \$42,603. Not Funded/Texas Tech University.
539. Dotray, P.A. 2023. University Field Trials – GLIXTP Topramezone Efficacy. BASF Corporation. \$30,600. Funded/Texas Tech University.
540. Dotray, P.A. 2023. University Field Trial – Alite 27/Axant Flex weed control. BASF Corporation. \$8,000. Funded/Texas Tech University.
541. Dotray, P.A. 2023. Topramazone in Axant™ Flex cotton. BASF Corporation. \$12,500. Funded/Texas Tech University.
542. Dotray, P.A. 2023. Corn weed control, Zidua POST in cotton, Axant Flex System demo, and Peanut Response to BAS 850. \$22,500. Funded/Texas A&M AgriLife Research.
543. Dotray, P.A. 2023. Kochia burn-down with Reviton preplant. Helm Agro. Funded/\$4,000. Texas A&M AgriLife Research.
544. Kimura, E., P. Abello, P. DeLaune, P. Dotray, J. Grichar, T. Isakeit, K. Lewis, J. McGinty, K. Obasa, B. Whitney. 2023. Improving Texas Peanut Grower profitability. Texas Peanut Producers Board. \$90,000. Funded/Texas A&M AgriLife Research. (Account Manager \$7,000)
545. Dotray, P.A. 2023. IR-4, Food Use, and Performance trials using flumiclorac in sesame. \$7,778 (\$778 in IDC). Funded. Texas A&M AgriLife Research.
546. Bagavathiannan, M., B. McKight, D. Kerns, J. Mowrer, K. Lewis, L. Ribera, M. Maeda, N. Rajan, P. Dotray, S. Calabrese, S. Babu, and T. Isakeit. 2023. Climate-smart cotton: Developing precision regenerative practices and market opportunities for addressing climate change in the US cotton belt. \$9,991,347. Submitted/USDA-NIFA.
547. Bagavathiannan, M., B. Whitney, E. Kimura, J. Mowrer, J. Dever, K. Lewis, N. Rajan, N. Subramanian, and P. Dotray. 2023. Fostering Sustainable Organic Cotton Production in the US through Research and Outreach on Organic Regenerative Practices. \$3,498,357. Funded/USDA-NIFA.
548. Dotray, P.A. 2023. Temper in cotton & diuron replacements postemergence-directed. ADAMA. \$14,000. Funded/Texas A&M AgriLife Research.

549. Dotray, P.A. 2023. Evaluation of pyroxasulfone + bromacil for bare ground weed control in Texas. Alligare. \$8,000. Funded/Texas A&M AgriLife Research.
550. Dotray, P.A. 2023. Weed control systems in corn and cotton utilizing Assure II in Enlist LL and Xtend LL technologies. AMVAC. \$25,000. Funded/Texas A&M AgriLife Research.
551. Dotray, P.A. 2023. Weed control systems in corn and cotton utilizing Assure II in Enlist LL and Xtend LL technologies. Bayer. \$10,000. Funded/Texas Pest Management Association 12/18/2022.
552. Dotray, P.A. 2023. Reviton preplant, Impact in corn, and adjuvants in Enlist and Xtend technologies. CHS. \$22,600. Funded/Texas A&M AgriLife Research (5% overhead).
553. Dotray, P.A. 2023. Efficacy of Anthem Flex impregnated. FMC. \$5,000. Funded/Texas A&M AgriLife Research.
554. Dotray, P.A. 2023. ImiFlex forage sorghum efficacy. UPL \$3900. Funded/Texas A&M AgriLife Research.
555. Dotray, P.A. 2023. Preemergence herbicides in corn, grain sorghum, and cotton. Syngenta. Funded/\$10,600. Texas A&M AgriLife Research.
556. Dotray, P.A. 2023. Ten entry APT Trial. BASF. \$4,500. Funded/Texas A&M AgriLife Research.
557. Dotray, P.A. 2023. Cotton response to later over-the-top applications of Prowl H2O. BASF. \$6,250 (for 2024 trials). Funded/Texas A&M AgriLife Research.
558. Dotray, P.A., M. Bagavathiannan, J. McGinty, and S. Nolte. 2024. Herbicide resistance management in Texas Cotton. Texas State Support Committee - Cotton Incorporated. \$50,000. Funded for 2025/Texas Tech University.
559. Dotray, P.A. 2024. A multi-tactic approach for minimizing Palmer amaranth seedbank replenishment in cotton. Cotton Incorporated – CORE. Funded/\$12,000. Texas Tech University.
560. Dotray, P.A. and W. Guo. 2024. Cotton and weed image repository. Cotton Incorporated-CORE. Funded/\$20,000. Texas Tech University.
561. Dotray, P.A. 2024. Evaluation of Systems to Manage Dicamba – Resistant Palmer Amaranth. Cotton Incorporated – CORE. Funded/\$12,000. Texas Tech University.
562. Kimura, E., P. Abello, P. DeLaune, P. Dotray, J. Grichar, T. Isakeit, K. Lewis, J. McGinty, K. Obasa, B. Whitney. 2024. Improving Texas Peanut Grower profitability. Texas Peanut Producers Board. \$90,000. Funded/Texas A&M AgriLife Research. (Account Manager \$7,000)

563. Dotray, P.A. 2024. University Field Trials – GLIXTP weed efficacy. BASF. \$13,000. Funded/Texas Tech University.
564. Dotray, P.A. 2024. Optimizing weed management in Axant Flex cotton using Armezon and Liberty Ultra herbicides. BASF. \$75,000. Funded/Texas Tech University.
565. Dotray, P.A. 2024. Fifteen entry APT Trial. BASF. \$4,000. Funded/Texas A&M AgriLife Research.
566. Dotray, P.A. 2024. Crop response and residual weed control with Anthem Flex impregnated on ammonium fertilizer applied postemergence in cotton. FMC. \$5,000. Funded/Texas A&M AgriLife Research.
567. Dotray, P.A. 2024. Glyphosate + Enlist One and oil adjuvants to control weed and volunteer corn. CHS. \$4,000. Funded/Texas A&M AgriLife Research.
568. Dotray, P.A. 2024. Huskie FX in grain sorghum. Bayer. \$2,500. Funded/Texas Pest Management Association.
569. Dotray, P.A. 2024. Evaluation of Bayer Crop Science corn herbicides. Bayer. \$3,000. Funded/Texas A&M AgriLife Research.
570. Dotray, P.A. 2024. Corn response and weed control using Storen and Acuron preemergence and cotton response to Dual Magnum. Syngenta. \$10,750. Funded/Texas Pest Management Association.
571. Dotray, P.A. 2024. Pendalin H20, Prowl H20, and Satellite PPI and Priority S 8E vs. Dual Magnum preemergence and early postemergence in cotton. Albaugh LLC/Syntech Research. \$3,500. Funded/Texas A&M AgriLife Research.
572. Dotray, P.A. 2024. Kochia burn-down with Reviton preplant. Helm Agro. \$4,000. Funded/Texas A&M AgriLife Research.
573. Direct-seed guayule tolerance to herbicide applied preplant and incorporated and transplanted guayule response to overwintering in west Texas. Bridgestone Americas. \$30,000. Funded/Texas A&M AgriLife Research.
574. Dotray, P.A. 2024. Evaluation of flumetsulam preemergence in peanut and Envoke combinations with Zalo and Enlist One in Enlist cotton and with Xtendimax in Xtend cotton. AMVAC. \$24,001. Funded/Texas A&M AgriLife Research.
575. Dotray, P.A. 2024. Corn weed control with Surtain and Status; Axant Flex weed control systems, Zidua application methods and timily, Liberty Ultra efficacy. BASF. \$35,250. Funded/Texas A&M AgriLife Research.

Service:

A. University Committees and Service:

Texas A&M University System--Texas A&M AgriLife Research.

1. Center to Improve Agricultural Productivity in Semiarid Environments Public Relations Committee. 1995-present.
2. Integrated Pest Management Working Group. 1996-present.
3. Research Program Development Committee. Co-Chair. 1995.
4. Search Committee
 - a. Resident Director. Texas A&M University Center--Lubbock. 1997-98.
 - b. Search Advisory Committee. Director, Texas AgriLife Research. 2009.
 - c. Soil Fertility. 2014.
5. Mentor Committee.
 - a. Jane Dever
 - b. Nithya Rajan
 - d. Muthukumar Bagavathiannan
 - e. Katie Lewis
 - f. Grace Ogden

Texas A&M University System--Texas A&M AgriLife Extension Service

1. Cotton IPM Strategic Plan for Texas. 2005.
2. Mentor Committee
 - a. Josh McGinty
 - b. Seth Byrd
 - c. Murilo Maeda
 - d. Cecilia Monclova-Santana
 - e. Katie Lewis - Chair

Texas Tech University.

1. *ad hoc* Serials Review Committee. 1996.
2. Faculty Incentive and Grants Review Committee. 1996.
3. Friends of the Library. 1994-97.
 - a. Board of Directors. 1996-97.
4. Sigma Xi, The Scientific Research Society. Texas Tech University Chapter. 3rd Annual Research and Creative Activities Day. Poster Judge. 1995.
5. Steering Committee for Self-Study on Evaluation of Teaching. 1999-00.
6. University Library Committee. 1994-97.
7. Grievance Committee. 2003-05.
8. Multidisciplinary Seed Grant Program. Reviewer. 2004.
9. Executive Council of the TTU Teaching Academy. 2014.
10. U.S. EPA Science Advisory Committee. 2015-2021

B. College Committees and Service:

College of Agricultural Sciences and Natural Resources.

1. *Ad hoc* committee: CASNR Fall Faculty Retreat. 2004. 2006. 2014.
 - a. Chair. 2004.
2. Agriculture and Natural Resources Awareness Week. 1998-99.
 - a. Chair. 1999.
3. Educational Enhancement Committee. 1993-97. Chair. 2004-2006.
4. External P&T Committee Member. 2004. 2006. 2008. 2012.

5. Future Farmers of America Hamburger Feed. 1994-95, 2001.
6. Gamma Sigma Delta.
 - a. President. 1999.
 - b. Vice-President. 1998.
7. Homecoming Breakfast Committee. 1993.
8. Mediation. 2007-2011.
9. Mentoring Strategies Task Force. Chair. 1998.
10. Scholarships and Awards Committee. 1998-2006, 2011-present.

C. Departmental Committees and Service:

Department of Agronomy and Plant Genetics/University of Minnesota.

1. Liaison Committee. 1990.
2. Seminar Committee. 1992.
3. Social Committee. 1991.

Department of Plant and Soil Science/Texas Tech University.

1. Administrative Duties:
 - CASNR Administrative Council substitute for PSS Chair (Nov 5, 2008; Nov 2, 2009; Oct 17, 2011)
 - PSS Chair Designate: 2006 (Nov 13-16), 2008 (Oct 6-9)
2. Agronomy Club. Co-Advisor. 1994-2006. 2010.
3. Computer Committee. 1993-94.
4. Crop Protection Teaching Group. 2007-2011
 - a. Chair. 2007-2011.
5. Graduate Program Committee. 1995-2011.
6. Greenhouse Committee. 2017-Present
7. Homecoming Hamburger Feed Committee. 1993.
8. Manuscript Reviewer. 1993-present.
9. Mentoring Committee.
 - a. Jason Woodward.
 - b. Gerald Henry. Chair.
 - c. Glen Richie. Chair.
 - d. Joey Young. Chair.
 - e. Cade Caldren.
10. Three Year Review Committee
 - a. Wenxuan Guo. Chair
11. Recruitment, Retention, and Recognition Committee. 2006 - 2008. Co-Chair. 2006 - 2008.
12. Safety Committee. 1995-99.
 - a. Chair. 1995-97.
13. Search Committees.
 - a. Crop Physiology (TTU/TAES). Chair. 2005. 2010.
 - b. Grain Entomologist (TAES/TTU). 2006.
 - c. Cotton Entomologist (TCE). 2006.
 - d. Environmental Horticulture (TTU). 2008.
 - e. Turfgrass (TTU). 2012.
 - f. Thornton Distinguished Chair. 2020-21

14. Scholarship Committee. 1997 - present.
 - a. Chair. 1999 - present.
15. Scientific Discipline Committee--Integrated Pest Management. 1995- present.
16. Weed Team. Faculty Advisor. 1995-present.

Weeds Contests.

- a. Winnsboro, LA. 2001. 5th Place
 - 1) Team: L. Lyon, J. Karnei, B. Porter, A. Peters
Alternates: B. Burns, T. Murphree
 - b. Portageville, MO. 2000. 5th place.
 - 1) Team: L. Lyon, J. Karnei, B. Porter, A. Peters
 - c. Greenville, MS. 1999. 6th place.
 - 1) Team: G. Light, L. Lyon, J. Morgan, S. Osborne
Alternates: J. Everitt, B. Porter
 - d. Memphis, TN . 1998. 8th place.
 - 1) Team: L. Blair, J. Everitt, G. Light, S. Osborne
Alternate: J. Morgan
 - e. Rohwer, AK. 1995. 9th place.
 - 1) Team: T. Butler, C. Jones, K. Kettner, J. Riney
 - f. Seymour, IL. 2019. 5th place (out of 12 SWSS schools, 12th out of 48 nationally). First place in SWSS Team Calibration. Team: Delaney Foster, Grace Ogden, Kyle Russell, and Ubaldo Torres.
 - g. Memphis, TN. 2022. First Place in Team Calibration. Team: Kyle Russell, Maxwell Smith, Blaine Patton, and Megan Mills.
17. PSS Leadership Team. 2009-present
Outreach (Recognition) Leader

D. Professional Society Service:

American Peanut Research and Education Society.

1. Past-President. 2019
2. President. 2018.
3. President-Elect. 2017.
4. Annual Meeting. Moderator. 1997, 2003, 2007, 2008. 2017.
5. Joe Sugg Graduate Student Award Committee. 2001-03.
6. Graduate Student Competition. Judge. 2009.
7. Session Moderator and co-chair. 2016.
8. Program Committee. Technical Program. Chair. 2004.
9. Weed Science Symposium. Organizer. 2004.
10. Site Selection. 2005-11. Chair. 2010.
11. Finance Committee. 2009-11.
12. Local Arrangements Committee. 2011. Chair.
13. Fellows Committee. 2012-14.
14. Associate Editor. 2009-2016.
15. Board of Directors. 2013-2019.

16. Fun Run. Chair. 2011. 2014. 2017. 2019. 2020.
17. Baily Award. Chair 2021. 2022. 2023.

American Society of Agronomy, Texas Chapter.

1. Annual Meeting. Moderator. 1995.
2. Board of Directors. 1994-03.
3. Speech Contest. Chair. 1996-01.
4. Student Advisor. 1996-02.
5. Vice-President. 2001.
6. President. 2002.

American Vegetable Association.

1. Board of Directors. 2000-02.

Southern Weed Science Society.

1. Board of Directors
 - a. Proceedings Editor, 2003-2005
 - b. CAST Rep, 2006-2008
 - c. Member At-Large (Academia), 2012-2014
 - d. Vice President, President Elect, President, Past President. 2015-2018
 - e. Weed Science Society of America Representative. 2023-present
2. CAST Representative. 2006-08.
 - a. Budget, Finance, and Investment Committee.
 - b. Plant Protection workgroup.
 1. Vice-Chair. 2007
 2. Chair. 2008
3. Display Committee. 1998-00.
 - a. Chair. 2000.
4. Distinguished Service Award Subcommittee. 2001-2003, 2012.
5. Editor. 2003-05
6. Finance Committee (Ex-officio). 2003-05.
7. Local Arrangements Committee. 1997.
8. Master of Ceremonies. 2005. 2012.
9. Newsletter Information Committee. 1998-present.
10. Outstanding Graduate Student Award Subcommittee. 1996-99.
11. Outstanding Educator Award Subcommittee. 2011 (Chair), 2018-2024 (Chair 2020-21).
12. Placement Committee. 1996-98.
13. Program Committee.
 - a. Ecological and Physiological Aspects. 2001.
 - b. Agronomic Crops. 2002.
 - c. Poster. Chair. 2006.
14. Site Selection Committee. 2009-15.
15. Southern Weed Contest Committee. 1995-present.
16. Southern Weed Science Society Conference. Moderator.
 - a. Ecological and physiological aspects of weed management. 1995.
 - b. Weed management in agronomic crops. 1995. 2002. 2004.

- c. Resistant Palmer amaranth: Dilemma in Dixie. Discussion Panel. 2007.
- 17. Student Program Committee. 1998-present.
- 18. Sustaining Membership Committee. 2019-21.
- 19. Terminology Committee. 1995-97.
- 20. Weed Contest Committee. 1995-present.
- 21. Weed Resistance and Technology Stewardship Committee. 2015-present.
- 22. Weed Scientist of the Year Award Subcommittee. 1996-98, 2012-13.

University of Minnesota North Central Weed Science Society.

- 1. Graduate Student Club. Chair. 1991.

Weed Science Society of America.

- 1. Biology of Weeds Committee. 2001-03.
- 2. Extension Committee. 1995-98.
- 3. Photo Contest Committee. 2001-05.
- 4. Program Committee.
 - a. Agronomic Crops. Chair. 2002.
 - b. Posters. Chair. 2004.
- 5. Sustainable Agriculture Committee. 2009-12
- 6. Weed Loss Committee. 1995-1998.
- 7. Outstanding Industry Award. 2013.
- 8. Endowment Committee. 2018-2020.
- 9. Outstanding Research Award. 2019-2023
- 10. Board of Directors
 - a. Rep to SWSS. 2023-present

Western Society of Weed Science.

- 1. Herbicide Resistant Weeds Committee. 1996-98.
- 2. Research Section. Basic Sciences. Chair. 1999.
- 3. Student Paper Judging Committee. 2001-03.
 - a. Chair. 2002.
 - b. Judge. 2001-02. 2004.
- 4. *ad hoc* Constitution and By-laws Review Committee. 2002

E. Professional / Industry Service:

- 1. Beltwide Cotton Conference-Weed Science Conference.
 - a. Annual Meeting. Chair. 1997-98.
 - b. Annual Meeting. Co-Chair. 1996.
 - c. Moderator. 1995-98. 2019.
- 2. Gamma Sigma Delta.
 - a. Vice-President. 1997-98.
 - b. President. 1998-99.
- 3. Manuscript Reviewer.
 - a. Journal of Agricultural and Food Chemistry. 2001.

- b. Journal of Cotton Science. 1999.
 - c. Journal of Seed Technology. 1996.
 - d. Peanut Science. 2004. 2008.
 - e. Texas Journal of Agriculture and Natural Resources. 1995-present.
 - f. USDA-ARS (for internal review). 2000. 2003. 2004.
 - g. Weed Technology. 1995-present.
 - h. Journal of Environmental Quality. 2007.
4. Radio Spot.
- a. KRFE. Big Ed Agriculture Program. 1998.
 - b. KRFE. Guy Warren Agriculture Program. 2001. 2002.
 - c. KRFE. Eddie Griffith Agriculture Program. 2003 (3X), 2004 (2X).
 - d. Ag Talk on FOX Talk 950. Eddie Griffis Agriculture Program. 2005 (2X), 2006 (2X), 2007 (1X), 2013 (1X), 2016 (31X), 2017 (24X).
 - e. Texas State Network News. 2012 (2X).
 - f. KFYO. Jim Stewart. 2013.
 - g. All Ag News radio presentation. 2018 (5X).
5. Texas Peanut Producers Board.
- a. Research Committee. 2000-09.
6. West Texas Agricultural Chemicals Institute.
- a. Advisor. 2004-present.
 - b. Board of Directors. 1994-99.
 - c. Past-President. 2000.
 - d. President. 1999.
 - e. Program Committee. 1995, 1998 (Chair), 2005, 2007.
 - f. Scholarship Committee. 1996-99, 2004, 2006-10, 12-present.
 - 1) Chair. 1996-98.
 - g. Vice-President. 1998.

F. Community

1. Frenship Youth Baseball. Coach. 1999.
2. Christ the King Cathedral. Science Fair Projects. Judge 8th Grade. Feb. 18, 2000.
3. Lubbock Midwest Youth Baseball. Coach. 2000.
4. Christ the King Cathedral. Science Fair Projects. Judge 9th Grade. Feb. 16, 2001.
5. Christ the King Cathedral. Science Fair Projects. Judge 7th Grade. Feb. 22, 2002.
6. Christ the King Cathedral. Science Fair Projects. Judge 10th Grade. Feb. 5, 2003.
7. Groundhog Job Shadow Day (Daria McKelvey). Feb. 2, 2006.
8. Groundhog Job Shadow Day (Austin Polyak). Feb. 1, 2007.
9. South Plains Regional Science and Engineering Fair. Judge 10th Grade. Mar. 28, 2008.
10. Lubbock Midwest Youth Baseball. Coach. 2008.
11. Christ the King Cathedral. Science Fair Projects. Judge 6th/7th Grades. Feb. 18, 2009.
12. Lubbock Midwest Youth Baseball. Coach. 2009.
13. Christ the King Cathedral. Science Fair Projects. Judge 9th/10th Grades Biological Science. Feb. 3, 2010.
14. South Plains Regional Science and Engineering Fair. Judge 6th Grade Physical Science. Mar. 26, 2010.

15. Frenship Select Baseball. Coach. 2010.
16. Christ the King Cathedral. Science Fair Projects. Judge 9th -12th Grades Biological Science. Feb. 2, 2011.
17. South Plains Regional Science and Engineering Fair. Judge 7 Grade Physical Science. Feb 18, 2011.
18. Christ the King Cathedral. Science Fair Projects. Judge 9th Grade Physical and Biological Sciences. Feb. 1, 2012.
19. Christ the King Cathedral. Science Fair Projects. Judge 12th Grade Physical and Biological Sciences. Feb. 2, 2022.
20. South Plains Food Bank Farm. Clean-up project. Nov. 13, 2023.