

Curriculum Vita

D. Paul Jackson, Ph.D.

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Mailing Address

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EDUCATION

- Ph.D. Horticulture, Auburn University, Aug 2007-Aug 2010
Dissertation-Effects of Pythium and Cold Storage on the Survival of Southern Pine Seedlings
- M.S. Environmental Biology (Plant Regeneration), Louisiana Tech University, Dec 2003-May 2006
Thesis-Relating Morphology, Nutrition, and Bud Development to Liquid Fertilizer Application of Containerized Longleaf Pine Seedlings
- B.S. Biology, Northwestern State University, Aug 1996-Dec 2000

EMPLOYMENT EXPERIENCE

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|--------------------|---|
| Sept 2018-Present | Associate Professor, School of Agricultural Sciences and Forestry, College of Applied and Natural Sciences, Louisiana Tech University, Ruston, LA |
| Sept 2012-Aug 2018 | Assistant Professor, School of Agricultural Sciences and Forestry, College of Applied and Natural Sciences, Louisiana Tech University, Ruston, LA |
| Sept 2012-May 2018 | Affiliate Assistant Professor, School of Forestry and Wildlife Sciences, Auburn University, Auburn, AL |
| Aug 2010-Aug 2012 | Research Fellow, School of Forestry and Wildlife Sciences, Southern Forest Nursery Management Cooperative (SFNMC), Auburn University, Auburn, AL |
| Aug 2007-Aug 2010 | Ph.D. Graduate Research Assistant, College of Agriculture, Department of Horticulture, Auburn University, Auburn, AL |
| Jan 2006-Aug 2007 | Biological Science Technician (GS-6/7), USDA Forest Service, Southern Research Station, Restoring and Managing Longleaf Pine Ecosystems Unit, Pineville, LA |
| Mar 2002-Jan 2006 | Forestry Technician (GS-4/5), USDA Forest Service, Southern Research Station, Restoring and Managing Longleaf Pine Ecosystems Unit, Pineville, LA |
| Feb 2001-Mar 2002 | Forestry Aid (GS-3), USDA Forest Service, Southern Research Station, Ecology and Management of Even-Aged Southern Forests Unit, Pineville, LA |

GRANTS AND EXTRAMURRAL FUNDING

- Proposed-\$275,406; Funded-\$243,417
- Funded External-\$231,886; Funded Internal-\$11,531
- Funded as PI-\$200,676; Funded as Co-PI-\$42,741

Funded

- Adams, H. (P.I.) and D.P. Jackson. (Co-P.I.). 2017-2018. *Development of a pollinator garden on Louisiana Tech's South Campus*. Lagniappe Ladies. Funded Amount: \$5,000
- Jackson, D.P. (P.I.) and R. Olatinwo (Co-P.I.). Aug 2016-Dec 2017. *Relating Substrate pH to Pathogen Populations, Causal Virulence, and Southern Pine Seedling Quality*. USDA Forest Service, Southern Research Station: Insects, Diseases, and Invasive Plants Unit. Funded amount: \$15,000
- Adams J, N. (P.I.), N. Clay, A. Keith (Co-P.I.), D.P. Jackson (Co-P.I.), and G. Holley (Co-P.I.). July 2016-July 2018. *Cedar/Garlic Insect Repellant: Testing in a Controlled Environment*. Mr. Richard Fewell (Entrepreneur). Funded amount: \$34,598
- Jackson, D.P. (P.I.) and J.A. Reichley (Co-P.I.). Dec 2015-May 2016. *Foliar nutrient analysis of poinsettias under various nutrient regimes*. Louisiana Tech University, College of Applied and Natural Sciences, Faculty Research Mini-Grant. Funded amount: \$360
- Jackson, D.P. (P.I.). Dec 2015-May 2016. *A CO₂ Pressurized Sprayer to Demonstrate Proper Pesticide Delivery Techniques that Correlate with Improved Environmental and Economic Practices*. Louisiana Tech University, College of Applied and Natural Sciences, Innovative Instruction in Undergraduate Courses Mini-Grant. Funded amount: \$1,253
- Jackson, D.P. (P.I.) June 2015-Sept 2018. *Evaluation of longleaf pine (Pinus palustris) seedlots for the prevalence of hybridization*. USDA Forest Service, Southern Research Station: Restoring and Managing Longleaf Pine Ecosystems Unit. Funded amount: \$53,388
- Jackson, D.P. (Dec 2014-May 2015). *Evaluation of longleaf pine (Pinus palustris) seedlots for the prevalence of hybridization*. Louisiana Tech University, College of Applied and Natural Sciences, Faculty Research Mini-Grant. Funded amount: \$430
- Jackson, D.P. (Dec 2014-May 2015). *Effects of plant growth regulators and fertilizer supply on the varietal performance of poinsettias*. Louisiana Tech University, College of Applied and Natural Sciences, Faculty Research Mini-Grant. Funded amount: \$545
- Adams, H. (P.I.), W. Patterson (Co-P.I.), D.P. Jackson (Co-P.I.), and W. Palmer (Co-P.I.). (Dec 2014-May 2015). *Use of innovative technology for plant identification at the John D. Griffin horticultural garden and ponds*. Louisiana Tech University, College of Applied and Natural Sciences, Innovative Instruction in Undergraduate Courses Mini-Grant. Funded amount: \$643
- Bowe, D.N. (Co-P.I.) and D.P. Jackson (P.I.). (Dec 2013-May 2014). *Influence of defoliation on the root growth potential of container-grown loblolly pine (Pinus taeda L.) seedlings*. Louisiana Tech University, College of Applied and Natural Sciences, Undergraduate Research Mini-Grant. Funded amount: \$800
- Hillard, M.M. (P.I.) and D.P. Jackson (Co-P.I.). (June 2013-July 2014). *Funding to develop and renovate the area in front of and adjacent to the Louisiana Tech Farm Salesroom to create an attractive and educational space for agricultural products produced on South Campus*. Lagniappe Ladies. Funded amount: \$2,500
- Jackson, D.P. (P.I.) and J.A. Reichley (Co-P.I.). (May 2013-June 2015). *A safe lighting system and mechanical ventilation for the Louisiana Tech University greenhouses*. Louisiana Board of Regents. Funded amount: \$48,900 (Ranked #1 out of 15 statewide applicants)

- Jackson, D.P. (P.I.) and Enebak, S.A. (Co-P.I.). (Oct 2011-Sept 2013). *Evaluation of herbicides for the propagation and establishment of herbaceous plants indigenous to the ground-layer community of the longleaf pine ecosystem*. USDA Forest Service. Funded amount: \$80,000

Not Funded

- Jackson, D.P. (P.I.) and H. Adams (Co-P.I.). *Renovations to develop a pollinator garden and aesthetic enhancements to the John D. Griffin Horticultural Garden*. Lagniappe Ladies. Proposed amount: \$5,000
- Jackson, D.P. (P.I.). *Renovations for an ornamental demonstration garden*. Stanley Smith Horticultural Trust. Proposed amount: \$18,489
- Lusby, A.K. (P.I.) and D.P. Jackson (Co-P.I.). *Purchase of a professional grade high definition video camera, associated accessories, and video editing software for enhancement of learning in Agricultural Sciences*. Louisiana Tech University Student Technology Fee Grant. Proposed amount: \$8,500

PUBLICATIONS

Refereed Journal Articles, Conference Proceedings Articles, and Research Reports

- Morin, C., J. Adams, G. Holley, A. Keith, D. P. Jackson, and N. Clay. (Submitted). *Comparison of RatSectPro Product Efficacy for Reducing Red Imported Fire Ant Feeding and Nests*. Journal of Pest Science.
- Jackson, D.P. and D.N. Bowe. 2017. *Root growth potential of loblolly pine seedlings after defoliation to mimic browsing damage*. Tree Planters' Notes 60(2): 19-23.
- Jackson, D.P., S.A. Enebak, J. West, and D. Hinnant. 2015. *Assessing tolerance of longleaf pine understory herbaceous plants to herbicide applications in a container nursery*. In Proceedings: Holley A. Gordon; Connor, Kristina F.; Haywood, James D., eds. 17th Biennial Southern Silviculture Research Conference, e-Gen. Tech. Rep. SRS-203, Asheville, NC: U.S. Department of Agriculture, Forest Service, Southern Research Station: 265-271.
- Dumroese, R.K., J.P. Barnett, D.P. Jackson, and M.J. Hains. 2013. *Interim guidelines for growing longleaf pine seedlings in container nurseries*. In: Proceedings of the 15th Biennial Southern Silvicultural Research Conference. Gen. Tech. Rep. Asheville, NC: U.S. Department of Agriculture, Forest Service, Southern Research Station: 141-148.
- Enebak, S.A., D.P. Jackson, T.E. Starkey, and M. Quicke. 2013. *Evaluation of methyl bromide alternatives on loblolly pine production and seedling quality over three growing seasons at the Pine Hill Nursery in Camden, Alabama*. Journal of Horticulture and Forestry 5(3): 41-47.
- Enebak, S.A., T.E. Starkey, M. Quicke, and D.P. Jackson. 2013. *Evaluation of plastic tarps, reduced rates, and low-impact application methods of soil fumigants on loblolly pine seedling production*. The Open Forest Science Journal 6: 7-13.
- Enebak, S.A., B. Whitaker, B. Brooks, and D.P. Jackson. 2013. *The effect of hardwood seed size, species, and nursery soils on the formation of stem galls and seedling tolerance to applications of Pendulum[®] AquaCap[™]*. Southern Forest Nursery Management Cooperative (SFNMC), Auburn University. Research Report 13-03: 8 p.

- Enebak, S.A., B. Whitaker, B. Brooks, and D.P. Jackson. 2013. *Annual sedge (Cyperus compressus) control in loblolly pine*. SFNMC, Auburn University. Research Report 13-04: 8 p.
- Enebak, S.A., B. Whitaker, B. Brooks, and D.P. Jackson. 2013. *Controlling morningglory (Ipomoea sp.) in hardwoods using pre- and postemergence herbicides at the East Tennessee and Native Forest nurseries*. SFNMC, Auburn University. Research Report: 13-05: 9 p.
- South, D.B., D.P. Jackson, T.E. Starkey, and S.A. Enebak. 2012. *Planting deep increases early survival and growth of Pinus echinata seedlings*. The Open Forest Science Journal 5: 33-41.
- Jackson, D.P., S.A. Enebak, and D.B. South. 2012. *Pythium species and cold storage affect the root growth potential and survival of loblolly (Pinus taeda L.) and slash pine (Pinus elliottii Engelm.) seedlings*. Journal of Horticulture and Forestry 4(7): 114-119.
- Jackson, D.P., S.A. Enebak, and D.B. South. 2012. *Effects of Pythium species and time in cold storage on the survival of bareroot and container-grown southern pine seedlings*. ISRN Ecology. Volume 2012, Article ID 874970: 10 p.
- Jackson, D.P., R.K. Dumroese, and J.P. Barnett. 2012. *Nursery response of container Pinus palustris seedlings to nitrogen supply and subsequent effects on outplanting performance*. Forest Ecology and Management 265: 1-12.
- Jackson, D.P., S.A. Enebak, and D.B. South. 2012. *Survival of southern pine seedlings after inoculations with Pythium and cold storage in the presence of peat moss*. Forest Pathology 42(1): 44-51.
- Jackson, D.P. and B. Brooks. 2012. *Effects on herbicide gall formation and survival from applications of undiluted Pendulum® AquaCap™ to loblolly pine seedlings*. SFNMC, Auburn University. Research Report 12-05: 10 p.
- Jackson, D.P. and B. Brooks. 2012. *Hardwood seedling tolerance to Pendulum® AquaCap™ applications*. SFNMC, Auburn University. Research Report 12-03: 8 p.
- Jackson, D.P. and D.B. South. 2012. *Screening of Pendulum® AquaCap™ and Tower® herbicides on pine seedbeds*. SFNMC, Auburn University. Research Report 12-01: 14 p.
- Jackson, D.P., C.H. Gilliam, and D.B. South. 2011. *Evaluation of selective postemergence herbicides for yellow nutsedge control and loblolly and slash pine seedling tolerance*. Journal of Environmental Horticulture 29(3): 125-131.
- South, D.B., T.E. Starkey, and D.P. Jackson. 2011. *Needle-clipping of longleaf pine (Pinus palustris Mill.) can increase seedling survival while reducing transpiration and root growth potential*. Journal of Horticulture and Forestry 3(5): 159-162.
- Jackson, D.P., T.E. Starkey, and S.A. Enebak. 2011. *Five years of methyl bromide alternatives research in forest tree nurseries*. In: Proceedings of the Annual International Research Conference on Methyl Bromide Alternatives and Emissions Reductions. 33: 1-4.
- Jackson, D.P. and D.B. South. 2011. *Pine bark mulch increases seed efficiency of loblolly pine in a pendimethalin trial*. SFNMC, Auburn University. Research Report 11-05: 8 p.
- Jackson, D.P., T. Starkey, and S. Enebak. 2011. *Evaluation of methyl bromide alternatives using a low disturbance fumigation rig in the production of loblolly pine seedlings in a Georgia forest tree nursery*. SFNMC, Auburn University. Research Report 11-02: 9 p.

- Jackson, D.P., M. Quicke, T. Starkey, and S. Enebak. 2011. *Effect of methyl bromide alternatives on seedling quality at the Joshua Timberlands forest tree nursery in Elberta, Alabama: 2009-2010*. SFNMC, Auburn University. Research Report 11-01: 9 p.
- Barnett, J.P., D.P. Jackson, and R.K. Dumroese. 2010. *Longleaf pine bud development: Influence of seedling nutrition*. In: Stanturf, J.A., ed. Proceedings of the 14th Biennial Southern Silvicultural Research Conference. Gen. Tech. Rep. SRS-121. Asheville, NC: U.S. Department of Agriculture, Forest Service, Southern Research Station: 235-240.
- Jackson, D.P., R.K. Dumroese, J.P. Barnett, and W.B. Patterson. 2010. *Effects of liquid fertilizer application on the morphology and outplanting success of container longleaf pine seedlings*. In: Stanturf, J.A., ed. Proceedings of the 14th Biennial Southern Silvicultural Research Conference. Gen. Tech. Rep. SRS-121. Asheville, NC: U.S. Department of Agriculture, Forest Service, Southern Research Station: 229-234.
- Jackson, D.P. and S. Enebak. 2010. *Pythium populations in bareroot nursery soils*. SFNMC, Auburn University. Research Report 10-12: 7 p.
- Jackson, D.P. and S. Enebak. 2010. *The use of Proline[®] for the control of Pythium and Botrytis spp.* SFNMC, Auburn University. Research Report 10-10: 11 p.
- Jackson, D.P., C. Gilliam, D. South, S. Enebak, and D.J. Eakes. 2009. *Evaluation of four herbicides to control yellow nutsedge and assess seedling tolerance in loblolly and slash pine seedlings*. Proceedings, Southern Nursery Association Research Conference. 54: 129-133.
- Jackson, D.P., S. Enebak, D. South, C. Gilliam, and D.J. Eakes. 2008. *The effect of Pythium and cold storage on the root growth potential and root collar diameter of longleaf pine (Pinus palustris) seedlings*. Proceedings, Southern Nursery Association Research Conference. 53: 374-378.
- Jackson D.P., R.K. Dumroese, J.P. Barnett, and W.B. Patterson. 2007. *Container longleaf pine seedling morphology in response to varying rates of nitrogen fertilization in the nursery and subsequent growth after outplanting*. In: Riley L.E., Dumroese R.K., Landis T.D., Tech. Coords. National Proceedings, Forest and Conservation Nursery Associations—2006. Proc. RMRS-P-50. Fort Collins, CO: U.S. Department of Agriculture, Forest Service, Rocky Mountain Research Station: 114-119.

Other Scholarly Articles: Regional Papers, Newsletters, Magazines and Extension Bulletins

- 2017-*Grant Farmer is Watermelon Legend*. May 2017. Piney Woods Journal: Vol. 12, No. 20.
- 2012-*Timing of Pendulum[®] AquaCap[™] application influences the chance of gall formation on seedlings*. Auburn University, Southern Forest Nursery Management Cooperative, Management Alert: 2012-02.
- 2012-*Pendulum[®] AquaCap[™] vs. Pendulum[®] 3.3 EC*. Auburn University, Southern Forest Nursery Management Cooperative, Fall 2012 Newsletter.
- 2012-*Know weeds: Hairy bittercress*. Auburn University, Southern Forest Nursery Management Cooperative, Spring 2012 Newsletter.
- 2012-*USDA Areawide methyl bromide alternatives trials-Camden, AL*. Auburn University, Southern Forest Nursery Management Cooperative, Spring 2012 Newsletter.

- 2012-*Herbicides targeting annual sedge*. Auburn University, Southern Forest Nursery Management Cooperative, Spring 2012 Newsletter.
- 2012-*Herbicide trials on eclipta*. Auburn University, Southern Forest Nursery Management Cooperative, Spring 2012 Newsletter.
- 2011-*Know weeds: Sicklepod*. Auburn University, Southern Forest Nursery Management Cooperative, Fall 2011 Newsletter.
- 2011-*Pendulum® AquaCap™: How it works on spurge*. Auburn University, Southern Forest Nursery Management Cooperative, Fall 2011 Newsletter.
- 2011-*Sporatec on willow*. Auburn University, Southern Forest Nursery Management Cooperative, Fall 2011 Newsletter.
- 2011-*USDA Areawide methyl bromide alternatives trials at Camden, AL*. Auburn University, Southern Forest Nursery Management Cooperative, Fall 2011 Newsletter.
- 2011-*Herbicide galls revisited*. Auburn University, Southern Forest Nursery Management Cooperative, Spring 2011 Newsletter.
- 2011-*2010 methyl bromide alternatives trials in Alabama and Georgia: First year results*. Auburn University, Southern Forest Nursery Management Cooperative, Spring 2011 Newsletter.
- 2011-*2009 methyl bromide alternatives trials in Alabama: Second year results*. Auburn University, Southern Forest Nursery Management Cooperative, Spring 2011 Newsletter.
- 2011-*Know weeds: Prostrate spurge*. Auburn University, Southern Forest Nursery Management Cooperative, Spring 2011 Newsletter.
- 2010-*Pythium and cold storage conclusions*. Auburn University, Southern Forest Nursery Management Cooperative, Fall 2010 Newsletter.
- 2010-*Know weeds: Eclipta*. Auburn University, Southern Forest Nursery Management Cooperative, Fall 2010 Newsletter.
- 2010-*Methyl bromide trials in Alabama and Georgia*. Auburn University, Southern Forest Nursery Management Cooperative, Fall 2010 Newsletter.

PRESENTATIONS

Professional Conferences

- 2018-*Evaluation of Sowing Methods to Detect Sonderegger Pine Seedlings*. Joint Annual Southern and Northeastern Forest and Conservation Nursery Association Conference, Pensacola, FL, July 17, 2018.
- 2016-*Evaluation of Longleaf Pine Fertilization Treatments in the Nursery Nine Years After Outplanting*. Joint Annual Southern and Northeastern Forest and Conservation Nursery Association Conference, Lake Charles, LA, July 21, 2016.
- 2013-*Assessing Tolerance of Longleaf Pine Understory Herbaceous Plants to Herbicide Applications in a Container Nursery*. 17th Biennial Southern Silviculture Research Conference, Shreveport, LA, March 5, 2013.
- 2011-*Five Years of Methyl Bromide Alternatives Research in Forest Tree Nurseries*. International Research Conference on Methyl Bromide Alternatives and Emissions Reductions, San Diego, CA, Nov 1, 2011.

- 2011-*Pythium reduces survival and diameter growth of cold stored longleaf pine seedlings*. 2011. Southwide Forest Disease Workshop, Quincy, FL, February 8, 2011.
- 2009-*The effects of Pythium and peat moss on loblolly pine seedling survival after cold storage*. Southwide Forest Disease Workshop, Greenville, SC, June 30, 2009.
- 2009-*Evaluation of post-emergence herbicides for yellow nutsedge control and loblolly and slash pine seedling tolerance*. Southern Nursery Association Research Conference, Atlanta, GA, February 12, 2009.
- 2009-*The effect of Pythium spp. and cold storage on the survival of longleaf pine seedlings after outplanting*. American Phytopathological Society, Southern Division Meeting, Atlanta, GA, February 1, 2009.
- 2008-*The effect of Pythium and cold storage on the root growth potential and root collar diameter of longleaf pine (Pinus palustris) seedlings*. Southern Nursery Association Research Conference, Atlanta, GA, August 6, 2008.
- 2007-*Effects of liquid fertilizer application on the morphology and outplanting success of container longleaf pine seedlings*. 14th Biennial Southern Silvicultural Research Conference, Athens, GA, February 26-March 1, 2007.
- 2006-*Container longleaf pine seedling morphology in response to varying rates of nitrogen fertilization in the nursery and subsequent growth after outplanting*. Southern Forest Tree Nursery Association Biennial Conference, Tyler, TX, July 10-13, 2006.

University Research Cooperative Meetings and Symposiums

- 2016-*A carbon dioxide pressurized pesticide sprayer to demonstrate equipment calibration techniques in the plant sciences*. College of Applied and Natural Sciences Research Symposium, Louisiana Tech University, April 14, 2016.
- 2015-*Field growth response of longleaf pine (Pinus palustris Mill.) nine years after nitrogen fertilization in a container nursery*. College of Applied and Natural Sciences Research Symposium, Louisiana Tech University, April 16, 2015.
- 2011-*Evaluation of clopyralid and diphenyl ether herbicides to control eclipta*. Southern Forest Nursery Management Cooperative, Advisory Meeting, Auburn, AL, November 10, 2011.
- 2011-*Pendimethalin herbicide galls on pine and hardwood seedlings*. Southern Forest Nursery Management Cooperative, Advisory Meeting, Auburn, AL, November 10, 2011.
- 2011-*Take home message for the five-year USDA Areawide Methyl Bromide Alternatives Research Program*. Southern Forest Nursery Management Cooperative, Advisory Meeting, Auburn, AL, November 10, 2011.
- 2011-*Areawide demonstration of methyl bromide alternatives: Loblolly pine production in southern forest tree nurseries*. Southern Forest Nursery Management Cooperative, Contact Meeting, Augusta, GA, June 28, 2011.
- 2011-*Pendulum[®] AquaCap[™] trials at sowing*. Southern Forest Nursery Management Cooperative, Contact Meeting, Augusta, GA, June 28, 2011.

- 2010-*Areawide demonstration of methyl bromide alternatives: Forest nurseries in the southern US*. Southern Forest Nursery Management Cooperative, Advisory Meeting, Auburn, AL, November 4, 2010.
- 2010-*Pendimethalin herbicide trials*. Southern Forest Nursery Management Cooperative, Advisory Meeting, Auburn, AL, November 3, 2010.
- 2010-*Effects of Pythium and cold storage on the survival of southern pine seedlings*. Southern Forest Nursery Management Cooperative, Contact Meeting, Little Rock, AR, July 26, 2010.
- 2010-*Relating seedling quality and survival to cold storage of southern pine seedlings in the presence of Pythium*. School of Forestry and Wildlife Sciences Seminar Series, April 28, 2010, Auburn, AL.
- 2009-*Pythium and cold storage: an update on soil surveys and seedling survival*. Southern Forest Nursery Management Cooperative, Advisory Meeting, Auburn, AL, November 5, 2009.
- 2009-*Pythium and cold storage: an update on seedling survival*. Southern Forest Nursery Management Cooperative, Contact Meeting, Auburn, AL, June 23, 2009, Daphne, AL.
- 2009-*Pythium reduces survival and diameter growth of cold stored longleaf pine seedlings*. Graduate Scholars Forum, March 10, 2009, Auburn, AL.
- 2008-*Cold storage of southern pine seedlings in the presence of Pythium*. Auburn University Forest Health Cooperative Advisory Meeting, December 16, 2008, Auburn, AL.
- 2008-*Seedling survival after exposure to Pythium and cold storage*. Southern Forest Nursery Management Cooperative, Advisory Meeting, Auburn, AL, November 7, 2008.
- 2006-*Relating morphology, nutrition, and bud development to liquid fertilizer application of containerized longleaf pine*. Louisiana Tech University, Applied & Natural Sciences Research Symposium, Ruston, LA, April 2006.

Workshops and Invited Presentations

- 2017-*Weed Control in Forest Tree Seedling Nurseries*. Re-certification for Category 2a and 2b Forestry Pesticide Application, Louisiana Evacuation Center, Alexandria, LA, June 29, 2017.
- 2017-*Using hydroponics to understand the “root” of tree seedling quality*. Sigma Xi Scientific Research Society, Louisiana Tech University, Ruston, LA, April 19, 2017.
- 2016-*Weed Control in Forest Tree Seedling Nurseries*. Re-certification for Category 2a and 2b Forestry Pesticide Application, Dean Lee Research Station, Alexandria, LA, July 6, 2016.
- 2016-*Longleaf Pine Hybridization: What we know and approaches to gain a better understanding*. National Advanced Silviculture Program, USDA Forest Service, Southern Research Station, Pineville, LA, May 2, 2016.
- 2016-*Techniques to Maintain Raised Beds each Growing Season*. Home Gardening Workshop, Louisiana Tech University, School of Agricultural Sciences and Forestry, Ruston, LA, February 13, 2016.
- 2016-*Using Raised Beds and Containers to Grow Vegetables: Gardening You Can Do at Home*. Home Gardening Workshop, Louisiana Tech University, School of Agricultural Sciences and Forestry, Ruston, LA, February 13, 2016.
- 2015-*Weed Science and Proper Lawn Care*. Northeast Louisiana Master Gardener’s Training Program, West Monroe, LA, April 23, 2015.

- 2015-*It's time we had this talk, do you know where baby trees come from?* School of Biological Sciences' Seminar Series, Louisiana Tech University, Ruston, LA, March 2, 2015.
- 2015-*Organic Vegetable Gardening Techniques*. Home Gardening Workshop, Louisiana Tech University, Department of Agricultural Sciences, Ruston, LA, February 21, 2015
- 2015-*Pests and Problems Associated with Growing Tomatoes*. Home Gardening Workshop, Louisiana Tech University, Department of Agricultural Sciences, Ruston, LA, February 21, 2015.
- 2014-*Basic Botany*. North Central Louisiana, Lincoln Parish Master Gardener's Training Program, Louisiana Tech University, Ruston, LA, August 27, 2014.
- 2014-*Mycorrhizae: beneficial root fungi*. North Central Louisiana, Lincoln Parish Master Gardener's Monthly Meeting, Louisiana Tech University, Ruston, LA, May 6, 2014.
- 2014-*The essential plant nutrients: functions, deficiencies, availability, and use in fertilizers*. Advanced Continuing Education Course, Northeast Louisiana Master Gardeners, West Monroe, LA, March 27, 2014.
- 2014-*Identification of common weeds in Louisiana gardens*. Home Gardening Workshop, Louisiana Tech University, Department of Agricultural Sciences, Ruston, LA, February 8, 2014
- 2014-*Weed control methods*. Home Gardening Workshop, Louisiana Tech University, Department of Agricultural Sciences, Ruston, LA, February 8, 2014.
- 2014-*Outplanting container-grown pine seedlings in the southern United States*. Ag Expo Forestry Forum, West Monroe, LA, January 17, 2014.
- 2013-*Seeds: How they do their thing*. Northeast Louisiana Master Gardeners, West Monroe, LA, October 8, 2013.
- 2013-*Basic Botany*. Winn Parish Master Gardener's Training Program, Winnfield, LA, August 20, 2013.
- *Recovery of the Space Shuttle Columbia*.
 - Louisiana Tech University, Lomax Hall, January 31, 2018 (15th Anniversary)
 - Louisiana Tech University, Faculty/Staff Luncheon, March 18, 2014
 - St. Thomas Catholic Church, Men's Club Meeting, Ruston, LA, February 17, 2014
 - Department of Horticulture, Auburn University, February 5, 2010
 - Kiwanis Club, Pineville, LA, April 2003
 - Dry Prong Junior High School, (> 100 7th graders), Dry Prong, LA, March 2003

Advised or Co-Authored Student Presentations

- 2018-Bolner, Nathan and D.P. Jackson. *Influence of Container Color, Media Depth, and Subsequent Light Availability on Stem Elongation of Longleaf Pine*. College of Applied and Natural Sciences Research Symposium, Louisiana Tech University, April 12, 2018. (Undergraduate Student-Poster; Advisor)
- 2018-Morin, Casey, J. Adams, G. Holley, A. Keith, D.P. Jackson, and N. Clay. *RatSectPro™ as a Natural Alternative for Red Imported Fire Ant Feeding and Nests*. Louisiana Academy of Sciences Meeting, Alexandria, LA, March 10, 2018. (Graduate Student-Oral; Co-Author)
- 2017-Moore, Barrett A. and D.P. Jackson. *Morphological Assessment of Longleaf Pine Seedlings to Understand Hybridization Patterns in Seed Crops over the Last Five Years*. College of Applied

and Natural Sciences Research Symposium, Louisiana Tech University, April 20, 2017.
(Undergraduate Student-Oral; Advisor)

- 2017-Reichley, Jacob A. and D.P. Jackson. *Effects of Plant Growth Regulators and Fertilizer Supply on Performance of Poinsettia Varieties*. Louisiana Tech University Student Research Symposium, February 10, 2017. (Graduate Student-Oral; Advisor)
- 2015-Babers, M. Aaron and D.P. Jackson. *Evaluation of Longleaf Pine (Pinus palustris) Seedlots for the Prevalence of Hybridization*. College of Applied and Natural Sciences Research Symposium, Louisiana Tech University, April 16, 2015. (Undergraduate Student-Poster; Advisor)
- 2015-Reichley, Jacob A. and D.P. Jackson. *Relating Christmas Glory® Poinsettia Growth to Applications of Nitrogen, Potassium, and Plant Growth Regulators*. College of Applied and Natural Sciences Research Symposium, Louisiana Tech University, April 16, 2015. (Graduate Student-Oral; Advisor)
- 2014-Bowe, Denise N. and D.P. Jackson. *Influence of Defoliation on the Root Growth Potential of Bareroot Loblolly Pine (Pinus taeda L.) Seedlings*. College of Applied and Natural Sciences Research Symposium, Louisiana Tech University, April 10, 2014. (Undergraduate Student-Poster; Advisor)
- 2014-Barnwell, Nicholas., S. Enebak, N. Lowenstein, S. Enloe, and D.P. Jackson. *Herbicide tolerance and weed control in understory species of longleaf pine (Pinus palustris) ecosystems*. School of Forestry and Wildlife Sciences' Advisory Council, Auburn University, April 1, 2014. (Graduate Student-Poster; Co-Author)

Poster Presentations

- 2015-Adams, H.L., W.B. Patterson, D.P. Jackson, and W. Palmer. *Use of Innovative Technology for Plant Identification at the John D. Griffin Horticultural Garden and Ponds*. College of Applied and Natural Sciences Research Symposium, Louisiana Tech University, April 16, 2015.
- 2013-Enebak, S.E., T.E. Starkey, D.P. Jackson, and M. Quicke. *USDA-ARS MBr Alternative Area-wide Project-South Atlantic region: Forest Tree Nurseries: A 5-year Summary*. Southeastern Society of American Foresters Annual Meeting, January 27-29, 2013, Mobile, AL.
- 2010-Jackson, D.P., S. Enebak, and D. South. *The effects of Pythium spp. and cold storage on the root growth potential of loblolly and slash pine seedlings*. Southeastern Society of American Foresters Annual Meeting, February 8, 2010, Auburn, AL.
- 2009-Jackson, D.P., S. Enebak, D. South, and L. Eckhardt. *Pythium spp. affect longleaf pine seedling survival after cold storage*. Society of American Foresters National Convention, September 30-October 4, 2009, Orlando, FL.
- 2009-Jackson, D.P., S. Enebak, and D. South. *The effects of Pythium spp. and cold storage on the root growth potential of loblolly and slash pine seedlings*. Southwide Forest Disease Workshop, June 29-July 2, 2009, Greenville, SC.
- 2008-Jackson, D.P., S. Enebak, and D. South. *Does Pythium species reduce the quality and survival of southern pine seedlings after cold storage?* Biological and Environmental Summer Research Symposium. August 8, 2008, Auburn, AL.

- 2008-Jackson, D.P., S. Enebak, and D. South. *Does Pythium species reduce the quality and survival of southern pine seedlings after cold storage?* Graduate Student Research Forum, March 10-12, 2008, Auburn, AL.
- 2008-Jackson, D.P. and J.P. Barnett. *Germination of longleaf pine (Pinus palustris) seed treated with Thiram and oleoresin capsicum.* Southwide Forest Disease Workshop. January 15-17, 2008, Savannah, GA.

TEACHING EXPERIENCE

Louisiana Tech University (*CHI* = Credit Hours Instructed; *SCH* = Student Credit Hours)

- *HNRS 100-Honors University Seminar (1)*-Orients new honors students to the university and honors program; identification and application of practical study techniques and attitudes associated with college success. (*CHI* = 2; *SCH* = 34)
- *PLSC 101-Introduction to Plant Science (3)*-Basic plant biology and concepts of production and management of agronomic and horticultural crops. (*CHI* = 33; *SCH* = 1,518)
- *AGSC 201-Microcomputer Applications (3)*-Introduction to microcomputers with specific applications in filing conventions, word processing, spreadsheets, and electronic communications. (*CHI* = 3; *SCH* = 36)
- *PLSC 220-Greenhouse Management (3)*-Principles, practices, and operations involved in greenhouse and nursery production. (*CHI* = 18; *SCH* = 288)
- *PLSC 284-Landscape Plants (3)*-Identification of common landscape plants; including culture, propagation, and use. (*CHI* = 9; *SCH* = 120)
- *PLSC 301-Landscape Design and Contracting (3)*-Elements and principles of design for homes and small properties; contracting operations including estimates and bidding, plant installation, and maintenance. (*CHI* = 15; *SCH* = 91)
- *PLSC 312-Turf Management (3)*-Establishment and management of turfgrasses in the southern United States. (*CHI* = 6; *SCH* = 78)
- *PLSC 400-Special Problems A/B/C (1/2/3)*-Assignments in floral or landscape design, greenhouse or field production projects or other horticulture practica. (*CHI* = 24; *SCH* = 28)
- *PLSC 422-Pest Management (3)*-Basic concepts of integrated pest management; pesticide laws and regulations, labeling, formulations, application procedures, environmental behavior, and safety. (*CHI* = 18; *SCH* = 231)
- *AGSC 516C-Contemporary Topics (3)*
 - *Nutrition of Horticultural Plants* (*CHI* = 3; *SCH* = 3); Spring 2015
 - *Tree Seedling Nursery Management* (*CHI* = 3; *SCH* = 12), Fall 2016

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- *FOR5151/6151-Forest Health Laboratory (1)*-Plant insect and disease identification and plant pathogen infection processes and symptomology. (*CHI* = 1)

Guest Lectures

- *Forest Tree Seedling Nursery Diseases*, FOR 313-Forest Pathology, Louisiana Tech University: May 9, 2018.
- *Forest Tree Seedling Nursery Management and Tree Seedling Quality*, FOR 111-Introduction to Forest and Wildlife Management, Louisiana Tech University: April 3, 2018.
- *Insect Pests in Tree Seedling Nurseries*, FOR 312-Forest Entomology, Louisiana Tech University: October 25, 2017.
- *Visual Symptoms of Nutrient Deficiency in Conifers*, FOR 427-Advanced Soils and Nutrition, Louisiana Tech University: February 5, 2018; February 6, 2017; February 4, 2015; January 8, 2013.
- *Forest Tree Seedling Nursery Soils*, FOR 427-Advanced Soils and Nutrition, Louisiana Tech University: January 3, 2018; January 4, 2017; January 5, 2015.
- *Herbicide Management and Application*, WILD 314-Wildlife Habitat Evaluation and Management, Louisiana Tech University: October 4, 2016.
- *Pesticide Ethics*, AGSC 301-Agricultural Ethics, Louisiana Tech University: April 23, 2013.
- *Weed Control in Forest Tree Nurseries*, FOR 5140/6140-Forest Regeneration and Seedling Production, Auburn University: April 13, 2012.

Graduate Student Advising

Major Professor/Committee Chair:

- M.S.-Jacob Reichley, Louisiana Tech University; Thesis: *Effects of plant growth regulators and fertilizer supply on the varietal performance of poinsettias*, (2014-Present).

Committee Member:

- M.S.-Nicholas Barnwell, Auburn University; Thesis: *Herbicide tolerance and weed control of longleaf pine (*Pinus palustris*) native understory species*, (2013-2015).

AWARDS AND RECOGNITION

- Norman and May Pipes Johnson Endowed Professorship in Horticulture (2018-2021)
- Honorary State Future Farmers of America Degree, Louisiana FFA Association (2016)
- Scholarly Activity and Outreach Award, College of Applied and Natural Sciences, Louisiana Tech University (2016)
- Single Nominee from the College of Applied and Natural Sciences for the Virgil Orr Junior Faculty Award for Louisiana Tech University (2015)
- Linnie McGee Leggett Endowed Professorship in Agriculture (2015-2018)
- 100/200 Level Teaching Award, College of Applied and Natural Sciences, Louisiana Tech University (2014)
- Norman and May Pipes Johnson Endowed Professorship in Horticulture (2012-2015)
- Outstanding Poster Presentation Award-Southeastern Society of American Foresters Annual Meeting-Auburn, AL (2010)

- Outstanding Graduate Student Presentation Award-South-wide Forest Disease Workshop-Greenville, SC (2009)
- Superior Oral Presentation-Graduate Scholars Forum-Auburn University (2009)
- Bryson L. James Ph.D. Student Research Competition Award-Southern Nursery Association Conference-Atlanta, GA (2009)
- Recognition for over 6 years of dedication to longleaf pine research-USDA Forest Service, Southern Research Station, Pineville, LA (2007)
- Appreciation for serving 3 years as Zone 6 Representative on the USDA Forest Service, Southern Research Station's Civil Rights Committee (2006)
- Recognition of five years of service in the government of the United States (2006)
- Appreciation for excellent support to the research program of SRS- 4111, USDA Forest Service, Southern Research Station, Pineville, LA (2004)

PROFESSIONAL MEMBERSHIPS

Louisiana Nursery and Landscape Association

Louisiana Society for Horticultural Research

Auburn University Southern Forest Nursery Management Cooperative (Affiliate Member)

Beta Beta Beta Biological Honor Society (Inducted-2000)

Phi Eta Sigma Honor Society (Inducted-1997)