

D. Paul Jackson

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EDUCATION

08/2007-08/2010 **Ph.D.-Horticulture**, Auburn University, College of Agriculture, Auburn, AL

Dissertation- Effects of *Pythium* and Cold Storage on the Survival of Southern Pine Seedlings: 195 p.

12/2003-05/2006 **M.S.-Environmental Biology**, Louisiana Tech University, College of Applied and Natural Sciences, Ruston, LA

Thesis-Relating Morphology, Nutrition, and Bud Development to Liquid Fertilizer Application of Containerized Longleaf Pine Seedlings: 62 p.

08/1996-12/2000 **B.S.-Biology**, Northwestern State University, College of Science and Technology, Natchitoches, LA

EMPLOYMENT EXPERIENCE

08/2010-Present **Research Fellow**, School of Forestry and Wildlife Sciences, Southern Forest Nursery Management Cooperative, Auburn University, Auburn, AL

08/2007-08/2010 **Ph.D. Graduate Research Assistant**, College of Agriculture, Department of Horticulture, Auburn University, Auburn, AL

01/2006-08/2007 **Biological Science Technician**, USDA Forest Service, Southern Research Station, Restoring and Managing Longleaf Pine Ecosystems Unit, Pineville, LA

03/2002-01/2006 **Forestry Technician**, USDA Forest Service, Southern Research Station, Ecology and Management of Southern Pines Unit, Pineville, LA

02/2001-03/2002 **Forestry Aid**, USDA Forest Service, Southern Research Station, Ecology and Management of Southern Pines Unit, Pineville, LA

RESEARCH PUBLICATIONS

Refereed Journal Articles:

6. *Jackson, D.P.*, R.K. Dumroese, and J.P. Barnett. 20??. Nursery response of container *Pinus palustris* seedlings to nitrogen supply and subsequent effects on outplanting performance. Forest Ecology and Management. (Submitted-Under review)

5. **Jackson, D.P.**, S.A. Enebak, and D.B. South. 20???. *Pythium* species and cold storage affect the root growth potential and survival of loblolly (*Pinus taeda* L.) and slash pine (*Pinus elliottii* Engelm.) seedlings. New Zealand Journal of Forestry Science. (Submitted-Under review)
4. **Jackson, D.P.**, S.A. Enebak, and D.B. South. 20???. Effects of *Pythium* species and time in cold storage on the survival of bareroot and container-grown southern pine seedlings. Forest Pathology. (Accepted-In revision)
3. **Jackson, D.P.**, S.A. Enebak, and D.B. South. (*In Press*). Survival of southern pine seedlings after inoculations with *Pythium* and cold storage in the presence of peat moss. Forest Pathology: First published online-doi: 10.1111/j.1439-0329.2011.00721.x.
2. **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.
1. 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.

Conference Proceedings Articles:

7. Dumroese, R.K., J.P. Barnett, **D.P. Jackson**, and M.J. Hains. (*In Press*). 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.
6. **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.
5. 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.
4. Dumroese, R.K., J.P. Barnett, **D.P. Jackson**, and M.J. Hains. 2009. Interim guidelines for growing longleaf pine seedlings in containers. In: Riley L.E., Dumroese R.K., Landis T.D., Tech. Coords. National Proceedings, Forest and Conservation Nursery Associations—2008. Proc. RMRS-P-58. Fort Collins, CO: U.S. Department of Agriculture, Forest Service, Rocky Mountain Research Station: 101-107.
3. **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.

2. **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.
1. **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.

Southern Forest Nursery Management Cooperative Research Reports:

4. **Jackson, P.**, T. Starkey, and S. Enebak. 2011. Evaluation of methyl bromide alternatives using a low disturbance application for the production of loblolly pine seedlings in a Georgia forest tree nursery. Auburn University SFNMC Research Report 11-?: 10 p.
3. **Jackson, 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. Auburn University SFNMC Research Report 11-?: 8 p.
2. **Jackson, P.** and S. Enebak. 2010. *Pythium* populations in bareroot nursery soils. Auburn University SFNMC Research Report 10-12: 7 p.
1. **Jackson, P.** and S. Enebak. 2010. The use of Proline[®] for the control of *Pythium* and *Botrytis* spp. Auburn University SFNMC Research Report 10-10: 10 p.

ORAL PRESENTATIONS

At Professional Meetings:

7. “*Pythium* reduces survival and diameter growth of cold stored longleaf pine seedlings” Southwide Forest Disease Workshop, February 8, 2011, Quincy, FL. (**Abstract**)
6. “The effects of *Pythium* and peat moss on loblolly pine seedling survival after cold storage” Southwide Forest Disease Workshop, June 30, 2009, Greenville, SC. (**Abstract**)
5. “Evaluation of post-emergent herbicides for yellow nutsedge control and loblolly and slash pine seedling tolerance” Southern Nursery Association Research Conference, February 12, 2009, Atlanta, GA.
4. “The effect of *Pythium* spp. and cold storage on the survival of longleaf pine seedlings after outplanting” American Phytopathological Society, Southern Division Meeting. February 1, 2009, Atlanta, GA. (**Abstract**)
3. “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. August 6, 2008, Atlanta, GA.
2. “Effects of liquid fertilizer application on the morphology and outplanting success of container longleaf pine seedlings”

14th Biennial Southern Silvicultural Research Conference, February 26-March 1, 2007, Athens, GA.

1. “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, July 10-13, 2006, Tyler, TX.

At Non-Professional Meetings:

4. “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 University.
3. “*Pythium* reduces survival and diameter growth of cold stored longleaf pine seedlings”
Auburn University’s Graduate Scholars Forum, March 10, 2009, Auburn University. (Abstract)
2. “Cold storage of southern pine seedlings in the presence of *Pythium*”
Forest Health Cooperative Advisory Meeting. December 16, 2008, Auburn University.
1. “Relating morphology, nutrition, and bud development to liquid fertilizer application of containerized longleaf pine”
Applied & Natural Science Research Symposium, April 2006, Louisiana Tech University, Ruston, LA. (Abstract)

At Auburn University Southern Forest Nursery Management Cooperative Meetings:

9. “Areawide demonstration of methyl bromide alternatives: Loblolly pine production in southern forest tree nurseries”
SFNMC Contact Meeting, June 28, 2011, Augusta, GA.
8. “Pendulum AquaCap trials at sowing”
SFNMC Contact Meeting, June 28, 2011, Augusta, GA.
7. “Areawide demonstration of methyl bromide alternatives: Forest nurseries in the southern US” SFNMC Advisory Meeting, November 4, 2010, Auburn University, Auburn, AL.
6. “Pendimethalin herbicide trials”
SFNMC Advisory Meeting, November 3, 2010, Auburn University, Auburn, AL.
5. “Effects of *Pythium* and cold storage on the survival of southern pine seedlings”
SFNMC Contact Meeting, July 26, 2010, Little Rock, AR.
4. “*Pythium* and cold storage: an update on soil surveys and seedling survival”
SFNMC Advisory Meeting, November 5, 2009, Auburn University, Auburn, AL.
3. “*Pythium* and cold storage: an update on seedling survival”
SFNMC Contact Meeting, June 23, 2009, Daphne, AL.
2. “Seedling survival after exposure to *Pythium* and cold storage”
SFNMC Advisory Meeting. November 7, 2008, Auburn University.

1. “Relating seedling quality and survival to cold storage of southern pine seedlings in the presence of *Pythium*”
SFNMC Contact Meeting, July 21, 2008, Asheville, NC.

Other Invited Presentations:

1. “Recovery of the space shuttle Columbia”
 - A. Dept. of Horticulture, Auburn University, February 5, 2010, Auburn, AL
 - B. Kiwanis Club, Pineville Chapter, April 2003, Pineville, LA.
 - C. Dry Prong Junior High School, 7th grade class (> 100 students), March 2003. Dry Prong, LA.

POSTER PRESENTATIONS

6. **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.
5. **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. (**Abstract**)
4. **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. (**Abstract**)
3. **Jackson, D.P.**, S. Enebak, and D. South. Does *Pythium* species reduce the quality and survival of southern pine seedlings after cold storage? The Biological and Environmental Summer Research Symposium. August 8, 2008, Auburn University.
2. **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 University. (**Abstract**)
1. **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. (**Abstract**)

MEETINGS ATTENDED

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| • Southern Forest Tree Nursery Association Conference | 2006, 2008, 2010 |
| • Southwide Forest Disease Workshop | 2008, 2009, 2011 |
| • Southern Nursery Association Research Conference | 2008, 2009 |
| • American Phytopathological Society So. Div. Meeting | 2009 |
| • Biennial Southern Silviculture Research Conference | 2007 |

PROFESSIONAL SERVICE

Reviewer: Journals

- Restoration Ecology (2011)

Auburn University:

- Presentation on the Importance of Trees, Earth Day, Auburn Elementary School Students (2010 & 2011)

USDA Forest Service:

- Science Fair Judge, Country Day Middle School, Alexandria, LA (2006 & 2007)
- Southern Research Station Representative, Multi-cultural Advisory Committee, USDA Forest Service, Kisatchie National Forest, Pineville, LA (2005-2007)
- Hispanic Special Emphasis Program Manager, Multi-cultural Advisory Committee, USDA Forest Service, Kisatchie National Forest, Pineville, LA (2002-2006)
- Zone Representative, Civil Rights Committee, USDA Forest Service, Southern Research Station, Representing-Pineville LA, New Orleans, LA, Nacogdoches, TX, and Monticello, AR (2003-2006)
- Local Representative, Civil Rights Committee, USDA Forest Service, Southern Research Station, Representing-Pineville, LA (2003-2006)
- Contributions to the Hardwood Seedling Quality & Nursery Practices Workshop, Flint River Nursery, Byromville, GA (2006)
- USDA Forest Service Exhibitor, Minorities in Agriculture, Natural Resources, & Related Sciences Conference, Career Fair: Des Moines, IA (2004); Pittsburgh, PA (2005)
- Member of the space shuttle Columbia recovery team (2003)
- Presentation on the Importance of Trees, Ducks Unlimited Annual Kids Day, Grant Parish Chapter, Colfax, LA (2002)

AWARDS

- Student Poster Presentation Award-Southeastern Society of American Foresters Annual Meeting-Auburn, AL (2010)
- Outstanding Graduate Student Presentation Award-Southwide Forest Disease Workshop-Greenville, SC (2009)
- Superior Oral Presentation (3rd place)-Graduate Scholars Forum-Auburn University (2009)
- Bryson L. James Ph.D. Student Research Competition (3rd place)-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 USA (2006)

- Appreciation for excellent support to the research program of SRS- 4111, USDA Forest Service, Southern Research Station, Pineville, LA (2004)

PROFESSIONAL MEMBERSHIPS

- Weed Science Society of America (2010-Present)
- Society of American Foresters (2008-Present)
- American Phytopathological Society (2008-2011)
- *Beta Beta Beta* Biological Honor Society (Inducted-2000)
- *Phi Eta Sigma* Honor Society (Inducted-1997)