



ID	Phase	Year	Lead Site	2nd Site	3rd Site	Students and/or Post-doc Involvement	IAB Involvement	Citation
1	I	2008	NC	VT	-	-	-	Albaugh, T.J., H.L. Allen, and T.R. Fox. 2008. Nutrient use and uptake in <i>Pinus taeda</i> . <i>Tree Physiology</i> 28: 1083-1098.
2	I	2008	NC	-	-	1	-	Boyden, S. D. Binkley and J.L. Stape. 2008. Competition among Eucalyptus trees depends on genetic variation and resource supply. <i>Ecology</i> 89: 2850-2859.
3	I	2008	NC	-	-	-	-	Costa VA, Berti Filho E, Wilcken CF, Stape JL, LaSalle J, Teixeira LD. 2008. Eucalyptus gall wasp, <i>Leptocybe invasa</i> in Brazil: new forest pest reaches the new world. <i>Revista de Agricultura</i> 83: 136-139
4	I	2008	NC	-	-	1	-	da Silva, P.H.M., F. Poggiani, J.L.M. Gonçalves, J.L. Stape, R.M. Moreira. 2008. Crescimento de Eucalyptus grandis tratado com diferentes doses de lodos de esgoto úmido e seco, condicionados com polímeros (Growth of Eucalyptus grandis treated with different doses of wet and dry sewage sludge, conditioned with polymers). <i>Sci. For., Piracicaba</i> 36(77):79-88.
5	I	2008	NC	-	-	1	-	da Silva, P.H.M., F. Poggiani, J.L.M. Gonçalves, J.L. Stape. 2008. Wood volume and foliar concentration of nutrients in Eucalyptus grandis after wet and dry sewage sludge application. <i>Revista Árvore</i> 32(5):845-854
6	I	2008	NC	-	-	-	-	Gonçalves, J.L.M., J.L. Stape, J-P Laclau, J-P Bouillet, and J. Ranger. 2008. Assessing the effects of early silvicultural management on long-term site productivity in fast-growing eucalypt plantations: the Brazilian experience. <i>Southern Forests</i> 70(2): 105-118.
7	I	2008	NC	-	-	-	-	Isik, F., Gumpertz, M., Li, B., Goldfarb, B., & Sun, X. 2008. Analysis of cellulose microfibril angle (MFA) using a linear mixed model in Pinus taeda clones. <i>Canadian Journal of Forest Research</i> , 38(6), 1676-1689.
8	I	2008	NC	-	-	-	-	Isik, F., Li, B., Goldfarb, B., & McKeand, S. 2008. Prediction of wood density breeding values of Pinus taeda elite parents from an unbalanced data: A method for adjustment of site and age effects using a common checklot. <i>Annals of Forest Science</i> , 65, 406-418.
9	I	2008	NC	-	-	1	-	Oda M, Barbin D, Stape JL. 2008. Applying geostatistical methods to identify spatial dependent in a forest systematic fan design. <i>Revista Arvore</i> 32:499-509.
10	I	2008	NC	-	-	1	-	Phelan, J. and H. L. Allen. 2008. Have repeated applications of nitrogen and phosphorus to a loblolly pine (<i>Pinus taeda</i> L.) plantation changed stand productivity and soil nutrient supply? <i>Can. J. For. Res.</i> 38: 637-644.
11	I	2008	NC	VT	-	-	-	Rubilar, R., T.R. Fox, H.L. Allen, T.J. Albaugh, and C.A. Carlson. 2008. Manejo Intensivo al Establecimiento de Plantaciones Forestales de Pinus sp. y Eucalyptus sp. en Chile y Argentina. <i>Informaciones Agronómicas del Cono Sur</i> 40: 1-6.
12	I	2008	NC	-	-	-	-	Ryan MG, Binkley D, Stape JL. 2008. Why don't our stands grow even faster? Control of production and carbon cycling in eucalypt plantations. <i>Southern Forests</i> 70:99-104.
13	I	2008	NC	-	-	-	-	Stape, J.L., D. Binkley, M.G. Ryan. 2008. Production and carbon allocation in a clonal Eucalyptus plantation with water and nutrient manipulations. <i>For. Ecol. Manage.</i> 255:920-930.
14	I	2008	OR	VT	-	2	-	Busov, V.B., A.M. Brunner, and S.H. Strauss. 2008. Genes for control of plant stature and form. <i>New Phytologist</i> 177(3): 589-607
15	I	2008	OR	WA	-	2	-	Cherry, M.L., Vikram, V., Briggs, D., Cress, D.W., and Howe, G.T. 2008. Genetic variation in direct and indirect measures of wood stiffness in coastal Douglas-fir. <i>Can. J. For. Res.</i> 38:2476-2486. Role: Supervising co-author.
16	I	2008	OR	VT	-	4	-	Li, J., A.M. Brunner, O. Shevchenko, R. Meilan, C. Ma, J.S. Skinner, and S.H. Strauss. 2008. Efficient and stable transgene suppression via RNAi in field-grown poplars. <i>Transgenic Research</i> 17:679-694.
17	I	2008	OR	VT	PU	3	-	Li, J., A.M. Brunner, R. Meilan, and S.H. Strauss. 2008. Matrix attachment region elements have small and variable effects on transgene expression and stability in field-grown Populus. <i>Plant Biotechnology Journal</i> 6: 887-896
18	I	2008	OR	PU	-	3	-	Li, J., R. Meilan, C. Ma, M. Barish, and S.H. Strauss. 2008. Stability of herbicide resistance over 8 years of coppice in field-grown, genetically engineered poplars <i>Western Journal of Applied Forestry</i> 23(2): 89-93.
19	I	2008	PU	-	-	-	-	Bosela, M.J. and Michler, C.H. 2008. Media effects on black walnut (<i>Juglans nigra</i> L.) shoot culture growth in vitro: evaluation of multiple nutrient formulations and cytokinin types. <i>In Vitro Cellular & Developmental Biology - Plant</i> 44:315-329.
20	I	2008	PU	-	-	-	-	Bumgarner, M.L., Salifu, K.F., Jacobs, D.F. 2008. Subirrigation of Quercus rubra seedlings: nursery stock quality, media chemistry, and early field performance. <i>HortScience</i> 43(7):2179-2185.
21	I	2008	PU	-	-	-	1	Dey, D.C., Jacobs, D., NcNabb, K., Miller, G., Baldwin, V. and Foster, G. 2008. Artificial regeneration of major oak (<i>Quercus</i>) species in the Eastern United States - A review of the literature. <i>Forest Science</i> 54(1):77-106.
22	I	2008	PU	-	-	-	-	Du, N. and Pijut, P.M. 2008. Regeneration of plants from <i>Fraxinus pennsylvanica</i> hypocotyls and cotyledons. <i>Scientia Horticulturae</i> 118:74-79.
23	I	2008	PU	-	-	-	-	Islam, M.A., Jacobs, D.F., Apostol, K.G., and Dumroese, R. K. 2008. Transient physiological responses of planting frozen root plugs of Douglas-fir seedlings. <i>Canadian Journal of Forest Research</i> . 38:1517-1525.
24	I	2008	PU	-	-	-	-	Jacobs, D.F., Davis, A.S., Wilson, B.C., Dumroese, R.K., Goodman, R.C., and Salifu, K.F. 2008. Short-day treatment alters Douglas-fir seedling dehardening and transplant root proliferation at varying rhizosphere temperatures. <i>Canadian Journal of Forest Research</i> . 38:1526-1535.
25	I	2008	PU	-	-	3	-	Jacobs, D.F., Wilson, B.C., Ross-Davis, A.L., and Davis, A.S. 2008. Cold hardiness and transplant response of <i>Juglans nigra</i> seedlings subjected to alternative storage regimes. <i>Annals of Forest Science</i> 65:606-606.
26	I	2008	PU	-	-	1	-	Liu, X. and Pijut, P.M. 2008. Plant regeneration from in vitro leaves of mature black cherry (<i>Prunus serotina</i>). <i>Plant Cell Tissue Organ Culture</i> . 94:113-123.



27	I	2008	PU	-	-	2		Michler , Charles H. P.M. Pijut, R. Meilan, G. Smagh, X Liang, K.E. Woeste. 2008, Black Walnut , in Kole, C. and Hall, T. C. (eds.), Compendium of Transgenic Crop Plants: Transgenic Forest Tree Species, Blackwell Publishing, Oxford, UK, pp 263 - 278.
28	I	2008	PU	-	-	1		Morrissey, R.C., Jacobs, D.F., Seifert, J.R., Fischer, B.C., and Kershaw, J.A. 2008. Competitive success of natural oak regeneration in clearcuts during the stem exclusion stage. Canadian Journal of Forestry Research. 38:1419-1430.
29	I	2008	PU	-	-	2		Nicodemus, M.A., Salifu, F.K., and Jacobs, D.F. 2008. Growth, nutrition, and photosynthetic response of Black Walnut to varying nitrogen sources and rates. Journal of Plant Nutrition 31:1917-1936
30	I	2008	PU	-	-	2		Nicodemus, M.A., Salifu, K.F., and Jacobs, D.F. 2008. Nitrate reductase activity and nitrogen compounds in xylem exudate of Juglans nigra seedlings: relation to nitrogen source and supply. Trees 22:685-695.
31	I	2008	PU	-	-	1		Sloan, J.L. and Jacobs, D.F. 2008. Carbon translocation patterns associated with new root proliferation during episodic growth of transplanted Quercus rubra seedlings. Tree Physiology. 28:1121-1126.
32	I	2008	VT	-	-	1		Atwood, C.J., T.R. Fox, D.L. Loftis. 2008. Stump sprouting of oak species in three silvicultural treatments in the southern Appalachians In: Jacobs, Douglass F.; Michler, Charles H., eds. Proceedings, 16th Central Hardwood Forest Conference; 2008 April 8-9; West Lafayette, IN. Gen. Tech. Rep.NRS-P-24. Newtown Square, PA: U.S. Department of Agriculture, Forest Service,Northern Research Station.
33	I	2008	VT	-	-	-	-	Burkhart, H. E. 2008. Modelling growth and yield for intensively managed forests. Jour. For. Sci. 24:173-180.
34	I	2008	VT	NC	-	-	-	Carlson, C.A., H.E. Burkhart, H.L. Allen and T.R. Fox. 2008. Absolute and relative changes in tree growth rates and changes to the stand diameter distribution of Pinus taeda as a result of midrotation fertilizer applications. Can. J. For. Res. 38: 2063-2071.
35	I	2008	VT	NC	-	-	-	Carlson, C.A., T.R. Fox, H.L. Allen, T.J. Albaugh. 2008. Modeling mid-rotation fertilizer responses using the age-shift approach. For Ecol. Manage. 256: 256-262.
36	I	2008	VT	-	-	1		Choi, J., H. E. Burkhart and R. L. Amateis. 2008. Modeling trends in stern quality characteristics of loblolly pine trees in unthinned plantations. Can. J. For. Res. 38:1446-1457.
37	I	2008	VT	-	-	1		Cotton, C.A., S. Prisley, and T.R. Fox. 2008. Mapping upland hardwood site quality and productivity with GIS and FIA in the Blue Ridge of North Carolina. In. McWilliams, W., Molsen, Gretchen, Czaplowski, R. eds. Proceedings Forest Inventory and Analysis (FIA) Symposium 2008. Oct 21-23, Park City, UT. RMRS-P-56CD. Fort Collins, CO. US Department of Agriculture, Forest Service, Rocky Mountain Research Station. 1 CD.
38	I	2008	VT	-	-	1		King, N.T., J. R. Seiler, T. R. Fox, and K. H. Johnsen. 2008. Post-fertilization physiology and growth performance loblolly pine clones. Tree Phys. 28: 703-711.
39	I	2008	VT	-	-	1		Mehtatalo, L., T. G. Gregoire and H. E. Burkhart. 2008. Comparing strategies for modeling tree diameter percentiles from remeasured plots. Environmetrics 19:529-548.
40	I	2008	VT	-	-	1		Trincado, G. and H. E. Burkhart. 2008. A model of knot shape and volume in loblolly pine trees. Wood and Fiber Sci. 40:634-646.
41	I	2008	VT	-	-	1		Tyree, M.C., J.R. Seiler, T.R. Fox. 2008. The effects of fertilization on soil respiration in 2-year-old Pinus taeda L. Clones. For. Sci. 54(1): 21-30.
42	I	2008	VT	-	-	1		VanderSchaaf, C.L. and H. E. Burkhart. 2008. Using segmented regression to estimate stages and phases of stand development. For. Sci. 54:167-175.
43	I	2009	FL	-	-	-	-	Chmura, D.J., M.G. Tjoelker, and T.A. Martin. 2009. Environmental and genetic effects on crown shape in young loblolly pine plantations. Canadian Journal of Forest Research 39: 691-698.
44	I	2009	FL	NC	-	-	-	Morse, A.M., Peterson DG, Islam-Faridi MN, Smith KE, Magbanua Z, Garcia SA, Kubisiak TL, Amerson HV, Carlson JE, Nelson CD, Davis JM. 2009. Evolution of genome size and complexity in Pinus. PLoS ONE: (doi:10.1371/journal.pone.0004332).
45	I	2009	FL	GA	-	-	-	Nedlo, J.E., T.A. Martin, J.M. Vose, and R.O. Teskey. 2009. Growing season temperatures limit growth of loblolly pine (Pinus taeda L.) seedlings across a wide geographic transect. Trees: Structure and Function 23: 751-759.
46	I	2009	FL	-	-	-	-	Novaes, E., L. Osorio, D.R. Drost, B.L. Miles, C.R.D.B. Novaes, C. Benedict, C. Dervinis, Q. Yu, R. Sykes, M. Davis, T.A. Martin, G.F. Peter, and M. Kirst. 2009. Quantitative genetic analysis of biomass and wood chemistry of Populus under different nitrogen levels. New Phytologist 182: 878-890.
47	I	2009	FL	-	-	-	-	Ramirez-Carvajal GA, Morse AM, Dervinis C, Davis JM. 2009. The cytokinin type-B response regulator PTRR13 is a negative regulator of adventitious root development in Populus. Plant Physiology 150: 759-771.
48	I	2009	FL	-	-	-	-	Staudhammer, C.L., E.J. Jokela, and T.A. Martin. 2009. Competition dynamics in pure- versus mixed-family stands of loblolly and slash pine in the southeastern United States. Canadian Journal of Forest Research 39:396-409.
49	I	2009	FL	-	-	-	-	Sykes, R., Yung, M. Novaes, E., Kirst, M., Peter, G.F., Davis, M. 2009. Biofuels: Methods and Protocols, Methods in Molecular Biology High-throughput Screening of Plant Cell-wall Composition Using Pyrolysis Molecular Beam Mass Spectrometry., Editor Mielenz J.R., Humana Press, 581:169-183.
50	I	2009	FL	-	-	-	-	Wullschlegler SD, Weston DJ, Davis JM. 2009. Populus responses to edaphic and climatic cues: emerging evidence from systems biology research. Critical Reviews in Plant Science 28: 1-7.
51	I	2009	GA	-	-	1		Antony, F.; Jordan, L.; Daniels, R. F.; Schimleck, L. R.; Clark, A., III; Hall, D. B. 2009. Effect of midrotation fertilization on growth and specific gravity of loblolly pine. Canadian Journal of Forest Research. 39(5):928-935



52	I	2009	GA	-	-	1	Antony, F.; Jordan, L.; Schimleck, L. R.; Daniels, R. F.; Clark, A., III. 2009. The effect of mid-rotation fertilization on the wood properties of loblolly pine (<i>Pinus taeda</i>). <i>IAWA Journal</i> . 30(1): 49-58
53	I	2009	GA	-	-	-	Bettinger, P., M. Clutter, J. Siry, M. Kane, and J. Pait. 2009. Broad implications of southern U.S. pine clonal forestry on planning and management of forests. <i>International Forestry Review</i> 11(3):331-345.
54	I	2009	GA	FL	-	-	Love-Myers, K. R.; Clark, A., III; Schimleck, L. R.; Jokela, E. J.; Daniels, R. F. 2009. Specific gravity responses of slash and loblolly pine following mid-rotation fertilization. <i>Forest Ecology and Management</i> . 257(12):2342-2349.
55	I	2009	GA	-	-	-	Mahon, J. M., Jr.; Jordan, L.; Schimleck, L. R.; Clark, A., III; Daniels, R. F. 2009. A comparison of sampling methods for a standing tree acoustic device. <i>Southern Journal of Applied Forestry</i> . 33(2):62-68.
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57	I	2009	GA	NC	-	1	Mora, C. R.; Schimleck, L. R.; Isik, F.; Mahon, J. M., Jr.; Clark, A., III; Daniels, R. F. 2009. Relationships between acoustic variables and different measures of stiffness in standing <i>Pinus taeda</i> trees. <i>Canadian Journal of Forest Research</i> . 39(8):1421-1429
58	I	2009	GA	-	-	-	White, Courchene C., McDonough T., Schimleck, Jones D., Peter G.F., Purnell R., Goyal G. Effects of specific gravity and wood chemical content on the pulp yield of loblolly pine. 2009. <i>TAPPI Journal</i> 92(4): 29-34.
59	I	2009	GA	-	-	1	Zhao, D; Kane, M; Borders, B; and Harrison, M.W. 2009. Long-term effects of site preparation treatments, complete competition control and repeated fertilization on growth of slash pine plantations in the flatwoods of the southeastern United States. <i>Forest Science</i> 55:403-410.
60	I	2009	GA	-	-	1	Zhao, D; Kane, M; Borders, B; Harrison, M; and Rheney, J. 2009. Site preparation and competing vegetation control affect loblolly pine long-term productivity in the southern Piedmont/Upper Coastal Plain of the United States. <i>Annals of Forest Science</i> 66 (705).
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63	I	2009	ME	-	-	-	Briggs, N.A. and S.A.Sader. 2009. Tracking forest change and development using low- cost remote sensing imagery and GIS Integration. <i>Northern Journal of Applied Forestry</i> 26(4):148-155.
64	I	2009	ME	-	-	1	DeRose, R.J. and R.S. Seymour. 2009. The effect of site quality on growth efficiency of upper crown class <i>Picea rubens</i> and <i>Abies balsamea</i> in Maine, USA. <i>Can. J. For. Res.</i> 39:777-784.
65	I	2009	ME	-	-	-	Gunn, J, J. Hagan, and A. Whitman. 2009. Forestry adaptation and mitigation in a changing climate: a forest resource manager's guide for the northeastern United States. Manomet center for Conservation Sciences, Brunswick, ME. Ecosystem Services Resource Center Report, NCI-2009-1.
66	I	2009	ME	-	-	-	Hein, S.; Weiskittel, A. R.; Kohnle, U. 2009. Models on branch characteristics of wide-spaced Douglas-fir. General Technical Report - Pacific Northwest Research Station, USDA Forest Service; (PNW-GTR-791), 23-33.
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68	I	2009	ME	-	-	1	Hofmeyer, P.V., R.S. Seymour and L.S. Kenefic. 2009. Influence of soil site class on growth and decay of northern white-cedar in Maine. <i>North. J. Appl. For.</i> 26(2):68- 75.
69	I	2009	ME	-	-	-	Keeton, W.S., A. A. Whitman, G.G. McGee, and C.L. Goodale. In Press. Late- successional biomass development in northern hardwood-conifer forests of the northeastern United States. <i>Forest Science</i> . In Press.
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72	I	2009	ME	-	-	1	Ray, D., M.R. Saunders, and R.S. Seymour. 2009. Field Note: Recent changes to the Northeast variant of the Forest Vegetation Simulator and some basic strategies for improving model outputs. <i>N. J. Appl. Forestry</i> 26(1):31-34.
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78	I	2009	ME	-	-	1		Weiskittel, A. R.; Kershaw, J. A., Jr.; Hofmeyer, P. V.; Seymour, R. S. 2009. Species differences in total and vertical distribution of branch- and tree-level leaf area for the five primary conifer species in Maine, USA. <i>Forest Ecology and Management</i> 258(7):1695-1703.
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80	I	2009	ME	OR	-	-		Weiskittel, A.; Gould, P.; Temesgen, H. 2009. Sources of variation in the self-thinning boundary line for three species with varying levels of shade tolerance. <i>Forest Science</i> 55(1):84-94.
81	I	2009	NC	-	-	-		Albaugh T. J., J. Bergh, T. Lundmark, U. Nilsson, J.L. Stape, H.L. Allen and S. Linder. 2009. Do biological expansion factors adequately estimate stand-scale aboveground component biomass for Norway Spruce? <i>Forest Ecology and Management</i> 258: 2628-2637.
82	I	2009	NC	VT	-	-		Albaugh, T. H.L. Allen, T.R. Fox, C.A. Carlson and R.A. Rubilar. 2009. Opportunities for fertilization on Loblolly Pine in the sandhills of the southeastern United States. <i>South. J. Appl. For.</i> 33(3): 129-136.
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84	I	2009	NC	-	-	1		Ferreira, J.M., J.L. Stape. 2009. Productivity gains by fertilization in <i>Eucalyptus urophylla</i> clonal plantations across gradients in site and stand conditions. <i>Southern Forests</i> 71(4): 253-258.
85	I	2009	NC	-	-	1		Jackson, B.C., J. D. Pittillo, H. L. Allen, T.R. Wentworth, B.P. Bullock, and D. Loftis. 2009. Species diversity and composition in old growth and second growth rich coves of the southern Appalachian mountains. <i>Castanea</i> 74:27-38.
86	I	2009	NC	-	-	1		Liu, L., J.S. King, F.L. Booker, C.P. Giardina, H.L. Allen, S. Hu. 2009. Enhanced litter input rather than changes in litter chemistry drive soil carbon and nitrogen cycles under elevated CO ₂ : a microcosm study. <i>Global Change Biology</i> 15:441-453.
87	I	2009	NC	-	-	1		Martins, J.R., F. Seixas, J.L. Stape. 2009. Technical and economical evaluation of a harvester, working under different spacing and planting arrangement conditions in eucalyptus plantations. <i>Scientia Forestalis</i> 37(83): 253-263.
88	I	2009	NC	VT	-	-		Rubilar, R. T.R. Fox, H.L. Allen, T. Albaugh y C. Carlson. 2009. Manejo intensivo al establecimiento de plantaciones forestales de <i>Pinus</i> sp. y <i>Eucalyptus</i> sp. en Chile y Argentina. <i>Informaciones Agronomicas</i> .
89	I	2009	NC	-	-	1		Ryan, M.G., M.Cavaliere, A. Almeida., J.L. Stape. 2009. Wood CO ₂ efflux and foliar respiration for <i>Eucalyptus</i> in Hawaii and Brazil. <i>Tree Physiology</i> 29: 1213-1222.
90	I	2009	OR	-	-	3		Bao, Y., Dharmawardhana, P., Arias, R., Allen, M.B., Ma, C., and S.H. Strauss. 2009. WUS and STM-based reporter genes for studying meristem development in poplar. <i>Plant Cell Rep</i> 28:947-962.
91	I	2009	OR	-	-	2		Bao, Y., P. Dharmawardhana, T. Mockler, and S.H. Strauss. 2009. Genome scale transcriptome analysis of shoot organogenesis in <i>Populus</i> . <i>BMC Plant Biology</i> 9:132
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