

**Publications by NC State University Cooperative Tree Improvement Program
Scientists, Students, & Associates**

Compiled from Cooperative Annual Reports (1957-2017)

2017

- Farjat, A.E., A.K. Chamblee, F. Isik, R.W. Whetten, and S.E. McKeand. 2017. Variation among loblolly pine seed sources across diverse environments in the southeastern United States. *For. Sci.* 63(1): 39-48.
- Farjat, A.E., B.J. Reich, J. Guinness, R.W. Whetten, S.E. McKeand, and F. Isik 2017. Optimal seed deployment under climate change using spatial models: application to loblolly pine in the southeastern US. *Journal of the American Statistical Association* (In press)
<http://dx.doi.org/10.1080/01621459.2017.1292179>
- Holliday, J.A, S.N. Aitken, J.E.K. Cooke, B. Fady, S.C. Gonzalez-Martinez, M. Heuertz, J.P. Jaramillo-Correa, C. Lexer, M. Staton, R.W. Whetten, C. Plomion. 2017. Advances in ecological genomics in forest trees and applications to genetic resources conservation and breeding. *Molecular Ecology* 26(3):706-717.
- Isik, F., C. Maltecca, and J. Holland. 2017. Genetic data analysis for plant and animal breeding. Springer International. ISBN 978-3-319-55177-7 (in press).
- Kohlway, W.H., R.W. Whetten, D.M. Benson & J. Frampton. 2017. Response of Turkish and Trojan fir to *Phytophthora cinnamomi* and *P. cryptogea*, *Scandinavian Journal of Forest Research*, DOI: 10.1080/02827581.2017.1280076
- Pais, A.L., R.W. Whetten, Q-Y. Xiang. 2017. Ecological genomics of local adaptation in *Cornus florida* L. by genotyping by sequencing. *Ecology and Evolution* 7(1):441-465.
- Spitzer, J.E., F. Isik, R.W. Whetten, A.E. Farjat, and S.E. McKeand. 2017. Correspondence of loblolly pine response for fusiform rust disease from local and wide-ranging tests in the southern United States. *For. Sci.* (In press).

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- Gräns, D., F. Isik, R.C. Purnell, and S. McKeand. 2016. Genetic variation in response to herbicide and fertilization treatments for growth and form traits in loblolly pine. *For. Sci.* 62(6): 633-640.
- Isik, F., J. Bartholomé, A. Farjat, E. Chancerel, A. Raffin, L. Sanchez, C. Plomion, L. Bouffier. 2016. Genomic selection in maritime pine. *Plant Science* 242:108-119
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