

Journal Papers

Refereed Scientific Journal Papers

2015

Baillie B, Neary DG. 2015. Water quality in New Zealand's planted forests: a review. [New Zealand Journal of Forestry Science 45:7](#).

Dash JP, Marshall H, Rawley B. 2015. Methods for estimating multivariate stand yields and errors using k-NN and aerial laser scanning. *Forestry*. Published online January 16 2015. <http://forestry.oxfordjournals.org/content/early/2015/01/16/forestry.cpu054.abstract>

Donaldson LA, Nanayakkara B. 2015. Xylem parenchyma cell walls lack a gravitropic response in conifer compression wood. [Planta, 242:1413-1424](#).

Gordon AD, Pont D. 2015. Inventory estimates of stem volume using nine sampling methods in thinned *Pinus radiata* stands, New Zealand. [New Zealand Journal of Forestry Science 45: 8](#). DOI 10.1186/s40490-015-0037-8

Kimberley MO, Cown DJ, McKinley RB, Moore JR, Dowling LJ. 2015. Modelling variation in wood density within and among trees in stands of New Zealand-grown radiata pine. [New Zealand Journal of Forestry Science 45:22](#).

Li Y, Xue J, Clinton PW, Dungey HS. 2015. Genetic parameters and clone by environment interactions for growth and foliar nutrient concentrations in radiata pine on 14 widely diverse New Zealand sites. [Tree Genetics & Genomes 11\(1\)](#), 1-16.

Marden M, Rowan D, 2015. The effect of land use on slope failure and sediment generation in the Coromandel region of New Zealand following a major storm in 1995. <http://www.nzforestryscience.com/content/45/1/10>

Mitrović A, Donaldson LA, Djikanović D, Pristov JB, Simonović J, Mutavdžić D, Kalauzi A, Maksimović V, Nanayakkara B, Radotić K. (2015). Analysis of static bending-induced compression wood formation in juvenile *Picea omorika* (Pančić) Purkyně. *Trees – Structure and Function* <http://link.springer.com/article/10.1007/s00468-015-1234-z>

Moore JR, Cown DJ, McKinley RB, Sabatia CO. 2015. Effects of stand density and seedlot on three wood properties of young radiata pine grown at a dry-land site in New Zealand. *New Zealand Journal of Forestry Science 45*. doi: [10.1186/s40490-015-0035-7](https://doi.org/10.1186/s40490-015-0035-7).

Murphy G., Cown D. (2015) Stand, stem and log segregation based on wood properties: a review. *Scandinavian Journal of Forest Research*. (<http://dx.doi.org/10.1080/02827581.2015.1055791>.)

Nanayakkara B, Riddell MJC, Harrington JJ. 2015. Screening for compression wood p-hydroxyphenyl to guaiacyl ratio in *Pinus radiata* clones using pyrolysis gas-chromatography mass-spectrometry (Py-GC/MS). [Holzforschung](#). DOI:10.1515/hf-2015-0068

Phillips CJ, Marden M, Lambie SM. 2015. Observations of “coarse” root development in young trees of nine exotic species from a New Zealand plot trial
[New Zealand Journal of Forestry Science](#) 45:13. DOI 10.1186/s40490-015-0043-x

Pont, D., Kimberley, M.O., Brownlie, R.K., Sabatia, C.O., & Watt, M.S. 2015. Calibrated tree counting on remotely sensed images of planted forests. [International Journal of Remote Sensing](#).

Sabatia Co, Burkhart HE. 2015. On the use of upper stem diameters to localize a segmented taper equation to new trees. [Forest Science](#) 61 (3), 411-423.

Waghorn MJ, Whitehead D, Watt MS, Mason EG, Harrington JJ. 2015. Growth, biomass, leaf area and water-use efficiency of juvenile *Pinus radiata* in response to water deficits. [New Zealand Journal of Forestry Science](#) 45:3. DOI 10.1186/s40490-015-0034-y

Watt MS, Dash J, Bhandari S, Watt P. 2015. Comparing parametric and non-parametric methods of predicting Site Index for radiata pine using combinations of data derived from environmental surfaces, satellite imagery and airborne laser scanning. [Forest Ecology and Management](#) 357, 1-9.