

Last revised: September 2008

HEIGHT -DBH BIBLIOGRAPHY 1932-Present

1. Trorey, L.G. (1932) "A Mathematical Method for the Construction of Diameter Height Curves Based on Site." *The Forestry Chronicle*, 8: 121-132.
2. Stiell, W.M. (1965) "Height Sampling in Red Pine and White Spruce Plantations." *The Forestry Chronicle*, 41: 175-181.
3. Stout, B.B. (1973) "Height-Diameter Relations in Trees: An Examination of Greehill's Model." *A paper presented in a Joint Meetings S4.01 and S6.02 of International Union of Forest Research Organizations*, Vancouver, pp. 159 - 170.
4. Gideon, R.A and Faurot, J.L. (1977) "A Model Relating Merchantable Length to Tree Diameter and Height". *Forest Science*, 23: 143 – 150.
5. Hilt, D. E. and Dale, M. E. (1982) "Height Prediction Equations for Even-Aged Upland Oak Stands". Broomall, Pa.: Northeastern Forest Experiment Station, USDA Forest Services, *Research Paper NE-493*, p. 9.
6. Flewelling, J.W. (1983) "Estimation of Future Height Growth in Inventory Stands". *Research Report; Research and Development, Technical Report*, Weyerhaeuser. pp. 6
7. Ek, A.R., Birdsall, E.T. and Spears, R. J. (1984) "A Simple Model for Estimating Total and Merchantable Tree Heights". North Central Forest Experiment Station, USDA Forest Services, *Research Note NC-307*, pp. 5.
8. Wensel, L.C., Meerschaert, W.J., and Biging, G.S. (1987) "Tree Height and Diameter Growth Models for Northern California Conifers" *Hilgardia; A Journal of Agricultural Science Published by California Agricultural Experiment Station* 55 (8): 1-18
9. Wang, C. and Hann, D.W. (1988) "Height – Diameter Equations for Sixteen Trees Species in the Central Western Willamette Valley of Oregon" *Forest Research Laboratory, Oregon State University, Corvallis. Research Paper 51*. pg. 7
10. West, P. W., Beadle, C.L. and Turnbull, R. A. (1988) "Mechanistically based Allometric models to Predict Tree Diameter and Height in even-aged Monoculture of *Eucalyptus regnans* F. Muell." *Canada Journal For. Res.* 19: 270 - 273
11. Bormann, B.T. (1990) "Diameter – based Biomass Regression Models Ignore Large Sapwood-related Variation in Sitka Spruce." *Can. Journal of For. Res.* 20: 1098 - 1104.

12. Yaussy, D.A. and Dale, M.E. (1990) “Merchantable Sawlog and Bole-Length Equations for the Northeastern United States” *Research Paper NE-650. Radnor, PA: USDA Forest Services, Northeastern Forest Experiment Station.* pp. 7.
13. Omule, S.A.Y. and Macdonald, R.N. (1991) “Simultaneous Curve Fitting for Repeated Height-Diameter Measurements.” *Can. Journal For. Res. 21:1418-1422*
14. Arabatzis, A.A and Burkhart, H.E. (1992) “An Evaluation of Sampling Methods and Model Forms for Estimating Height-Diameter Relationships in Loblolly Pine Plantations.” *Forest Science, 38: 192-198.*
15. Huang, S., Titus, S.J., and Wiens, D.P. (1992) “Comparisson of Nonlinear Height – Diameter Functions for Major Alberta Tree Species.” *Canadian Journal of Forest Research 22: 1297-1304*
16. Parresol, B.R. (1992) “Baldcypress Height-Diameter Equations and their Prediction Confidence Interval.” *Can. J. For. Res. 22: 1429 – 1434*
17. Houghton, D.R. and Gregoire, T.G. (1993) “Minimum Subsamples of Tree Heights for Accurate Estimation of Loblolly Pine Plot Volume.” *Southern Journal of Applied Forestry, 17 (3): 124-129*
18. Flewelling, J.W., and Jong, R. (1994) “Considerations in Simultaneous Curve Fitting for Repeated Height-Diameter Measurements.” *Canadian Journal of Forest Research 24: 1408-1414*
19. Knowe, S.A. (1994) “Effect of Competition Control Treatments on Height-Age and Height-Diameter relationships in young Douglas-fir plantations.” *Forest Ecology and Management 67: 101-111*
20. Oswald, B.P., Zhang, L., Green, T.H., and Stout, S.L. (1994) “Height – Diameter relationships of Dominant Trees in the Mixed Upland Hardwood Forests of North Alabama.” *A Paper presented at the Eighth Biennial Southern Silvicultural Research Conference, Auburn, AL, Nov. 1-3.*
21. Zakrzewski, W.T., and Ter-Mikaelian, M. (1994) “New Application of a Polynomial Curve to Plot Volume Estimation.” *Canadian Journal of Forest Research 24: 1083-1088*
22. Knowe, S.A., Carrier, B.D., and Dobkowski, A. (1995) “Effects of Bigleaf Maple Sprout Clumps on Diameter and Height Growth of Douglas-Fir.” *Western Journal of Applied Forestry, 10 (1):5-11.*
23. O’Brien, S.T., Hubbell, S. P., Spiro, P., Condit, R. and Foster, R.B. (1995) “Diameter, Height, Crown and Age relationships in Eight Neotropical Tree Species.” *Ecology 76 (6): 1926 – 1939.*

24. Kunisaki, T. and Imada, M. (1996) “DBH – Height Relationship for Japanese Red Pine (*Pinus densiflora*) in Extensive Natural Forests in Southern Japan.” *Journal of Forest Planning* 2:115-123
25. Moore, J.A., Zhang, L. and Stuck, D. (1996) “Height – Diameter Equations for Ten Tree Species in the Inland Northwest.” *Western Journal of Applied Forestry*, 11(4): 132-137.
26. Hokka, H. (1997) “Height-Diameter curves with random intercepts and slopes for Trees growing on drained peatlands.” *Forest Ecology and Management* 97:63-72
27. Zhang, L. (1997) “Cross – validation of Non-linear Growth Functions for Modelling Tree Height-Diameter Relationships.” *Annals of Botany* 79: 251-257
28. Zhang, S., Burkhart, H.E. and Ameteis, R. L. (1997) “The Influence of Thinning on Tree Height and Diameter Relationships in Loblolly Pine Plantations.” *Southern Journal of Applied Forestry* 21 (4): 199-205
29. Bechtold, W.A., Zarnoch, S.J. and Burkman, W.G. (1998) “Comparisons of Modeled Height Predictions to Ocular Height Estimates” *Southern Journal of Applied Forestry* 22 (4): 216-221
30. Martin, F.C. and Flewelling, J.W. (1998) “Evaluation of Tree Height Prediction Models for Stand Inventory.” *Western Journal of Applied Forestry* 13 (4): 109-119.
31. Huang, S. (1999) “Ecoregion-Based Individual Tree Height – Diameter Models for Lodgepole Pine in Alberta.” *Western Journal of Applied Forestry* 14 (4): 186 – 193
32. Tewari, V.P. and Gadow, K.V. (1999) “Modelling the relationship between Tree Diameters and Heights using S_{BB} Distribution.” *Forest Ecology and Management* 119: 171 – 176 (**missing pages: see SBB S_{BB} Folder**)
33. Zucchini, W. and MacDonald, I.L. (1999) “Illustrations of the Use of Pseudo-Residuals in Assessing the Fit of a Model.” In *Proceedings of the 14th International Workshop on Statistical Modelling, Graz, Austria*. pp. 409 - 416
34. Hanus, M.L., Hann, D.W. and Marshal, D.D. (2000) “Predicting Height to Crown Base for Undamaged and Damaged Trees in Southwest Oregon” *Forest Research Laboratory, Oregon State University, Corvallis. Research Contribution* 29. pg. 35
35. Staudhammer, C. and Leemay, V. (2000) “Height prediction equations using Diameter and Stand Density Measures.” *The Forestry Chronicle* 76 (2): 303 – 309.

36. Gilmore, D.W. (2001) “Equations to Describe Crown Allometry of Larix require local validation.” *Forest Ecology and Management* 148: 109-116.
37. Jayaraman, K. and Zakrzewski, W.T. (2001) “Practical Approaches to Calibrating Height-Diameter relationships for Natural Sugar Maple Stands in Ontario.” *Forest Ecology and Management* 148: 169-177.
38. Wonn, H.T. and O’Hara, K.L. (2001) “Height: Diameter Ratios and Stability Relationships for Four Northern Rocky Mountain Tree Species.” *Western Journal of Applied Forestry* 16 (2): 87-94
39. Yuancai, L. and Parresol, B.N. (2001) “Remarks on Height-Diameter Modeling.” *Research Note SRS - 10. USDA Forest Services, Southern Research Station.* pp. 5.
40. Zucchini, W., Schmidt, M. and Godow, K.von (2001) “A Model for the Diameter-Height Distribution in an Uneven-Aged Beech Forest and a Method to Assess the Fit of Such Models.” *Silva Fennica* 35 (2): 169-183.
41. Colbert, K.C., Larsen, D.R. and Lootens, J.R. (2002) “Height – Diameter Equations for Thirteen Midwestern Bottomland Hardwood Species.” *Northern Journal of Applied Forestry* 19 (4): 171-176.
42. Li, F., Zhang, L., and Davis, C.J. (2002) “Modeling the Joint Distribution of Tree Diameter and Heights by Bivariate Generalized Beta Distribution.” *Forest Science* 48 (1): 47-58.
43. Zeide, B. and Vanderschaat, C. (2002) “The Effect of Density on the Height-Diameter Relationship.” In: Proceedings of the Eleventh Biennial Southern Silvicultural Research Conference (Asheville, NC) U. S. Forest Service General Technical Report SRS-48.
44. Calama, R. and Montero, G. (2004) “Interregional Nonlinear Height – Diameter Models with Random Coefficients for Stone Pine in Spain.” *Canadian Journal of Forest Research* 34: 150-163.
45. Inoue, A. and Yoshida, S. (2004) “Allometric Model of Height – Diameter Curve for Japanese cedar (*Cryptomeria japonica* D. Don) Even – Aged Stands.” *Journal of Forest Research* 9: 2-16
46. Mehtatalo, L. (2004) “A Longitudinal Height-Diameter Model for Norway Spruce in Finland.” *Canadian Journal of Forest Research*, 34: 131-140.
47. Nanos, N., Calama, R., Montero, G., and Gil, L. (2004) “Geostatistical Prediction of Height/Diameter Models.” *Forest Ecology and Management* 195: 221 - 235.

48. Sharma, M. and Zhang, S. Y. (2004) “Height – Diameter Models Using Stand Characteristics for *Pinus banksiana* and *Picea mariana*” *Scandinavian Journal of Forest Research* 19: 442 – 451.
49. Zhang, L., Bi, H., Cheng, P. and Davis, C.J. (2004) “Modeling Spatial Variation in Tree Diameter – Height Relationships.” *Forest Ecology and Management* 189: 317-329.
50. Lynch, T.B., Holley, A.G. and Stevenson, D.J. (2005) “A Random-Parameter Height-Dbh Model for Cherrybark Oak.” *Southern Journal of Applied Forestry* 29(1): 22-26.
51. Mehtatalo, L. (2005) “A Height-Diameter Model for Scots Pine and Birch in Finland.” *Silva Fennica* 39 (1): 55-66.
52. Temesgen, H., Hann, D.W. and Monleon, V.J. (2007) “Regional Height-Diameter Equations for Major Tree Species of Southwest Oregon.” *Western Journal of Applied Forestry* 22(3): 213-219.
53. Wang, M., Rennolls, K. and Tang, S. (2008) “Bivariate Distribution Modeling of Tree Diameters and Heights: Dependency Modeling Using Copulas.” *Forest Science* 54 (3): 284 – 293.