

Travis Idol

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Educational Background

B.S. Biology Wake Forest University
M.S. Forestry Purdue University
Ph.D. Forestry Purdue University

Research and Professional Experience

1. Fine Root and Mycorrhizal Dynamics
2. Nitrogen and Phosphorus Biogeochemistry
3. Forest Productivity and Silviculture
4. Carbon Sequestration in Agroforestry Systems
5. Forest Restoration
6. Design and Analysis of Agroforestry Systems
7. Remote Sensing and Image Analysis of Forest Cover and Productivity



Selected Publications

- Meason DF, **Idol TW**, Friday JB, and Scowcroft PG. Persistence of elevated phosphorus availability after fertilisation in the volcanic soil of a managed tropical forest. *Forest Ecology and Management*. *accepted*.
- Meason D and **Idol TW**. 2008. Comparison of ion exchange resin membranes (PRS-probes) with resin bags in the field: effects of incubation time, soil depth, and P fertilization. *Soil Science Society of America Journal* 72:1806-1814.
- Youkhana A and **Idol T**. 2008. First-year biomass production and soil improvement in young *Leucaena* and *Robinia* stands under different pollarding systems. *Journal of Tropical Forest Science* 20:181-187.
- Martinez Morales R, Miura T, and **Idol T**. 2008. An assessment of Hawaiian dry forest condition and restoration potential with fine resolution remote sensing. *Forest Ecology and Management* 255:2524-2532.
- Steiman SR, **Idol TW**, and Bittenbender HC. 2007. Analysis of kaolin particle film usage and its application on coffee. *HortScience* 42:1605-1608.
- Idol TW**, Baker PJ, and Meason D. 2007. Indicators of forest ecosystem productivity and nutrient status across precipitation and temperature gradients in Hawaii. *Journal of Tropical Ecology* 23:693-704.
- Scowcroft PG, Friday JB, **Idol TW**, Dudley N, Haraguchi J, and Meason D. 2007. Growth response of *Acacia koa* trees to thinning, grass control, and phosphorus fertilization in a secondary stand in Hawaii. *For. Ecol. Manage.* 239:69-80.