

Wood is Good! The Future of Fiber in Growing Media





Brian E. Jackson

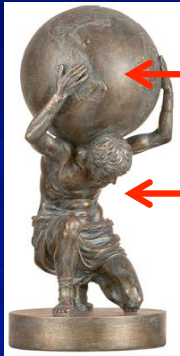
Thanks to the Following







Horticultural Substrates



← Horticulture



← Substrates

Sustainability



Nomenclature 101

- Substrate
- Potting Soil
- Potting Media
- Potting Mix
- Mulch
- Wood Fiber
- Wood Chips
- Wood shavings
- Sawdust

Crop Inputs

Disease Control | Fertilization | Insect Control | Labels/Tags | **Media** | PGRs | Pots/Trays

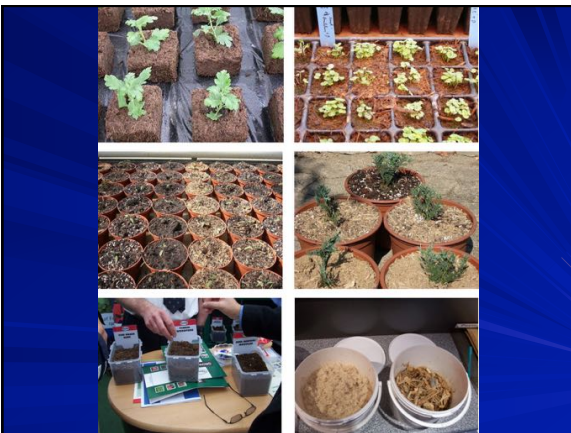
Is Wood A Viable Media Component?

By Kevin Yanik | August 30, 2010

Peat moss is an absolute necessity for greenhouse growers. The industry simply couldn't do without it. But the cost of shipping peat across Canada to southern parts of the United States is forcing Southern growers to look for resources that are capable of supplementing their bread-and-butter growing media component.

One resource to which growers are slowly turning is wood. Wood, by no means, is a peat replacement. Plus, it's a resource nursery producers have historically relied on more than greenhouse growers.

Still, horticulturists are discovering that wood, when used in the right ratio to peat and for the right crop, is a serviceable growing media component. USDA and university researchers, for example, have grown a wide range of crops: annuals, perennials, tropicals and woody ornamentals, using processed whole pine trees as a growing media component. And the results of this research are enlightening.





NCSU Substrate Processing and Research Center (SPARC)



Wood Substrates



Machinery for Processing Wood



Hammer Mill



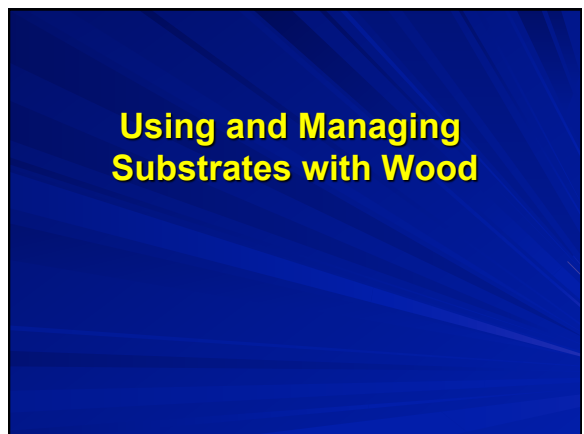
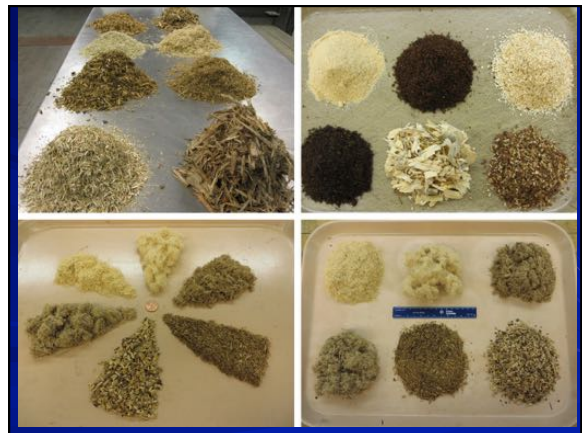
Extruder/Extrusion

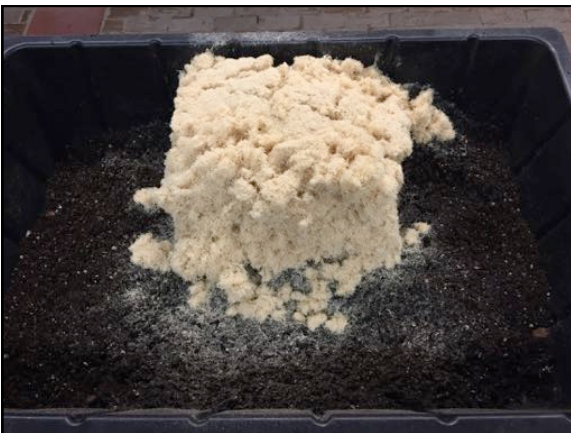
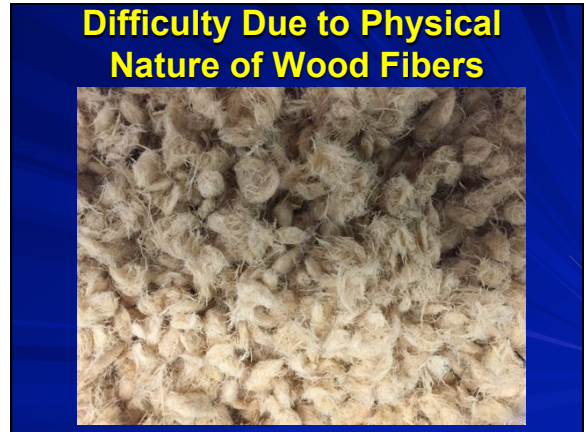


Twin Disc Refiners

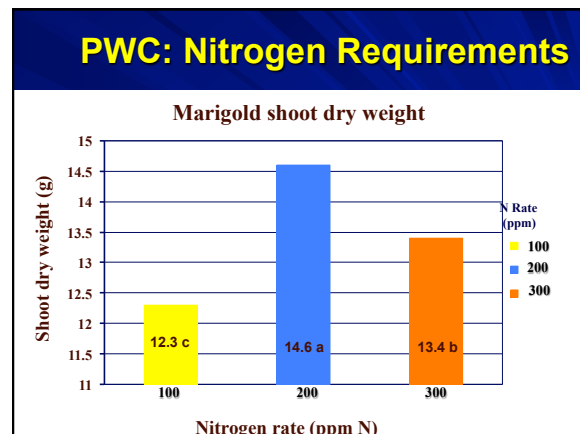
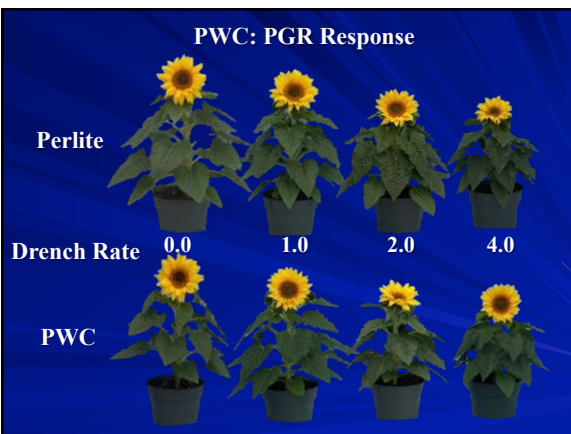
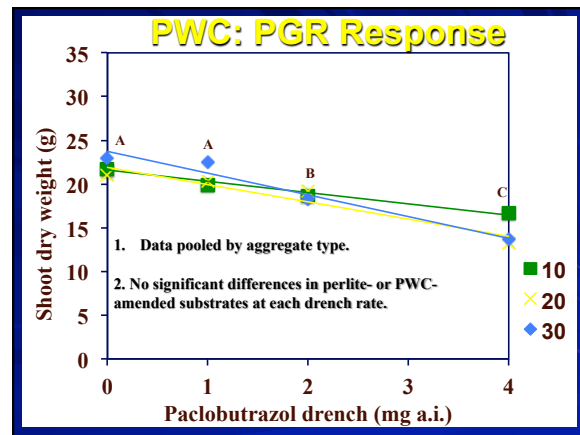
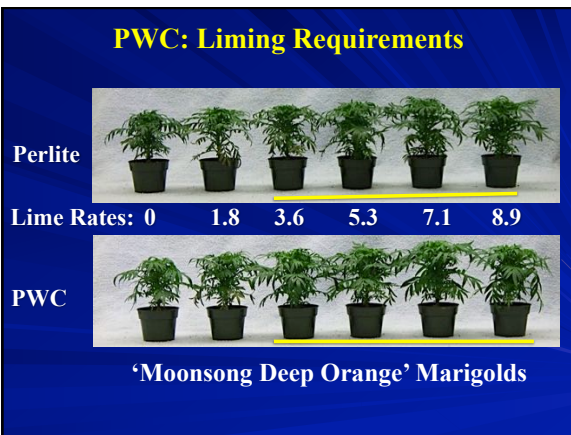
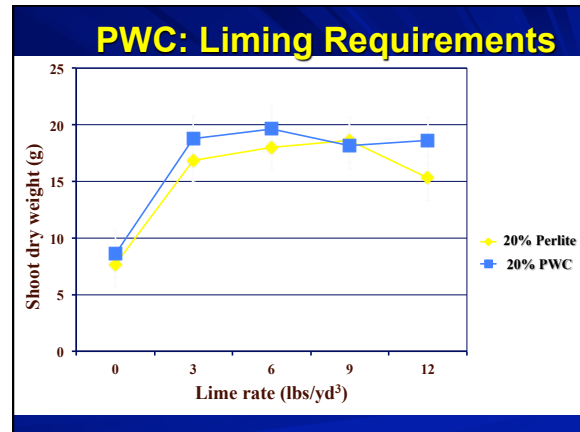


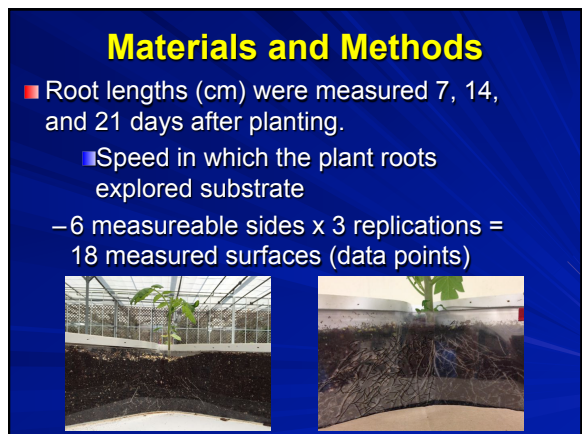
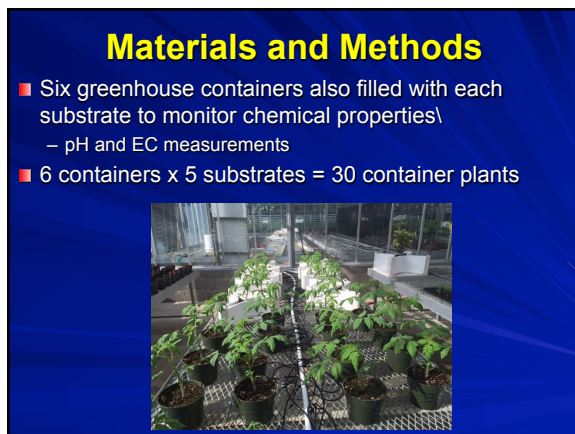
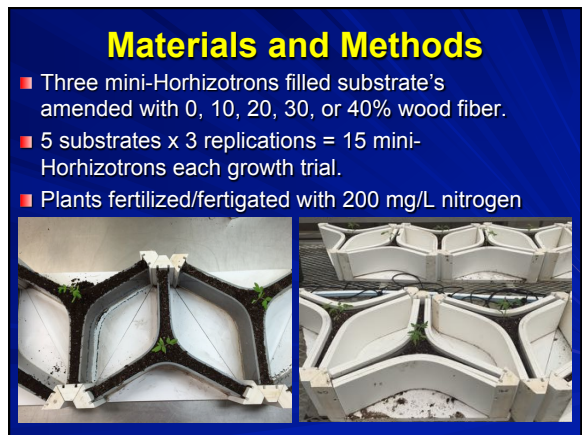
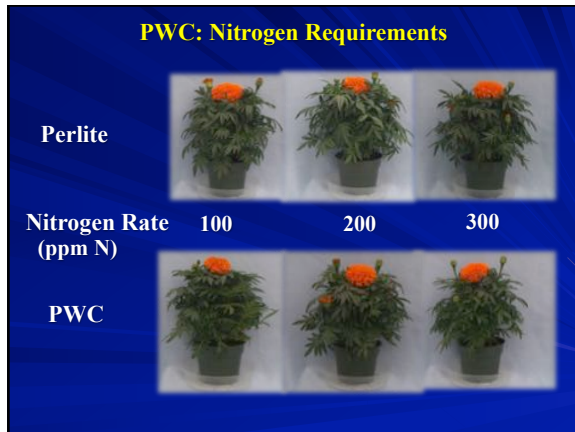
Constructing Wood Components

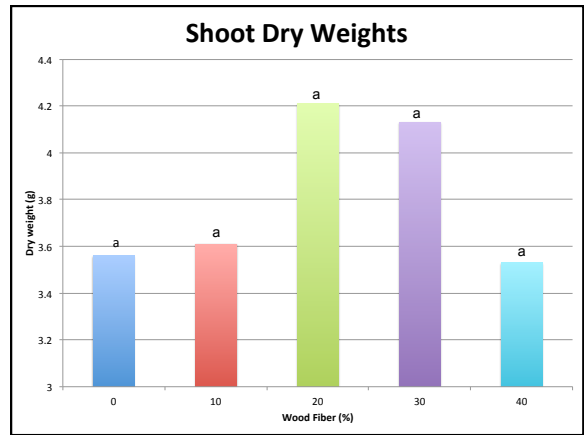
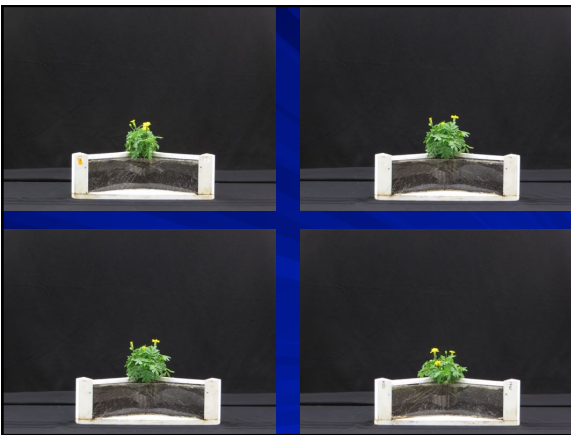
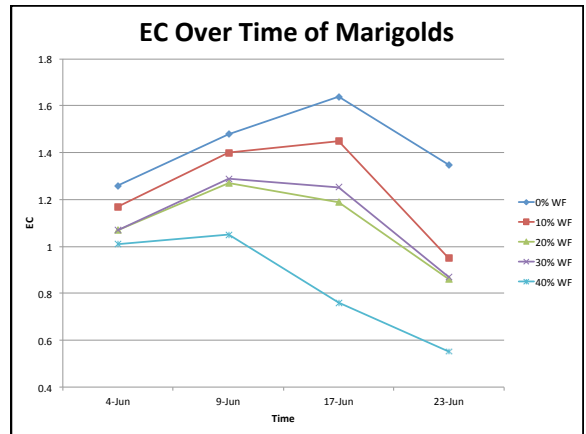
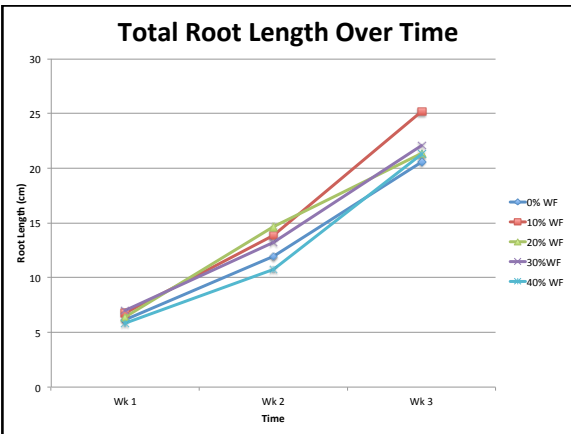












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