



tree species effects on pdf

The objectives of this study were to analyze the effects of hurricane force winds on tree species growing in urban areas in the southeastern United States coastal plain: (1) to determine if there was species-specific damage over the varied wind speeds, and (2) to determine if damage was related to

Hurricanes and the Urban Forest: I. Effects on

Effects of Tree Species, Number of Trees, Basal Area and Understory Vegetation on the Abundance and Diversity of Avian Species Katie Brown ABSTRACT We investigated the relationships between bird species diversity and vegetation abundance, size, and groundcover of a forest ecosystem. We measured three variables:

Effects of Tree Species, Number of Trees, Basal Area and

AM tree species ($r = 0.83$) and with fine root biomass ($r = 0.88$) in ECM tree species, suggesting that different factors influence rhizosphere effects in tree species forming different mycorrhizal associations. Rhizosphere effects on net N mineralization and phosphatase activity were also much

TREE SPECIES AND MYCORRHIZAL ASSOCIATIONS INFLUENCE THE

Effects of Tree Species Diversity on Litter Quality and Decomposition Chapter (PDF Available) January 2005 with 455 Reads DOI: 10.1007/3-540-26599-6_8

(PDF) Effects of Tree Species Diversity on Litter Quality

Rising atmospheric CO₂ concentrations have increased interest in the potential for forest ecosystems and soils to act as carbon (C) sinks. While soil organic C contents often vary with tree species identity, little is known about if, and how, tree species influence the stability of C in soil. Using a 40 year old common garden experiment with replicated plots of eleven temperate tree species ...

Soil organic carbon stability in forests: Distinct effects

The objective of this study was to determine thermal effects of 15 different tree types: 4 coniferous and 11 deciduous species commonly found in the city of Erzurum located at the northeastern ...

(PDF) Assessment of the effects of different tree species

Urban Forest Effects Model - UFORE. Contacts: David J. Nowak, Daniel E. Crane, Jack C. Stevens, and Robert E. Hoehn III Background. The UFORE computer model (a.k.a. i-Tree ECO) was developed to help managers and researchers quantify urban forest structure and its functions. UFORE is designed to use standardized field data from randomly located plots, and local hourly air pollution and ...

Urban Forest Effects Model - UFORE - Online Tools - Tools

tree Species effects on Soil Properties in experimental Plantations in tropical Moist Forest We resampled one of the earliest replicated experimental sites used to investigate the impacts of native tropical tree species on soil properties, to examine longer term effects to 1-m depth.

tree Species effects on Soil Properties in experimental

Fire Effects Information System (FEIS) Syntheses about fire ecology and fire regimes in the United States Home ... eration characteristics of Northern Rockies tree species Send feedback and requests : New

Home page, Fire Effects Information System - FEIS). CRS

Thus, while species influence microbially mediated decomposition primarily through differences in litter lignin, differences among species in litter Ca are most important in determining species effects on forest floor leaf litter dynamics among these 14 tree species, apparently because of the influence of litter Ca on earthworm activity.

Tree species effects on decomposition and forest floor

tree cooling effect was found to be strongly related to the built form geometry. In all the studied cases, the thermal effect of the tree was found to depend mainly on its canopy coverage level and planting density in the urban street and little on other species characteristics.

Microclimate modelling of street tree species effects

Coupled with this is the fact that field trials investigating allelopathic effects under natural conditions are rare (Jose et al., 2006), and studies focusing on the allelopathic effects of Eucalyptus on broad-leaved tree species even rarer (Fang et al., 2009).

Allelopathic effects of Eucalyptus on native and

Effects on Tropical and Subtropical Tree Species Mary L. Duryea, Eliana Kampf, Ramon C. Littell, and Carlos D. Rodríguez-Pedraza Abstract. In 1998 when Hurricane Georges (177 km/h) crossed over the entire island of Puerto Rico, and in 2004 when

Hurricanes and the Urban Forest: II. Effects on Tropical

Background This FEIS document provides maps of the ranges of tree species in North America. They were compiled mostly by Little (see References below) and digitized by Thompson et al. (1999). Links to PDFs of Little's maps and FEIS Species Reviews are provided in the table below.

Little maps - fs.fed.us

Interactions of Elevation, Aspect, and Slope in Models of Forest Species Composition and Productivity Albert R. Stage and Christian Salas Abstract: We present a linear model for the interacting effects of elevation, aspect, and slope for use in predicting forest productivity or species composition.

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