

SCOTT J. JOSIAH, Ph.D.  
Curriculum Vitae

103 Plant Industry  
Nebraska Forest Service, University of Nebraska  
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**Education**

Ph.D., Forest Policy and Administration. 1996, Department of Forest Resources, University of Minnesota,  
M.S., Botany and Soil Science. 1986, Southern Illinois University, Carbondale, Illinois.  
B.S., Forest Resource Management. 1975, State Univ. of NY, College of Environmental Sci. & Forestry

**Experience**

Nebraska State Forester and Director, Nebraska Forest Service. University of Nebraska. Feb 2005-Present.  
Professor, School of Natural Resources, UNL, June 2008 to present  
Associate Professor and State Extension Forester, School of Natural Resources, UNL. 2004-2005.  
Assistant Professor and State Extension Forester, School of Natural Resources, UNL. 1998-2004  
Associate Program Director. Ctr. for Integrated Nat. Resource and Ag. Mgmt., Univ. of MN. 1996 – 1998.  
Research Assistant - Forest Policy and Administration. College of Nat. Res., Univ. of MN. 1992 - 1995  
International Forestry Consultant, Multiple countries and clients, 1981-1998  
Assistant Director - Agroforestry. Haiti Agroforestry Project, Pan American Develop. Found. 1990 to 1992.  
Nursery Specialist. Haiti Agroforestry Project, Pan American Development Foundation. 1987 - 1989.  
Nursery Manager/Plantation Forester. Operation Double Harvest, Haiti, 1986 - 1987.  
Fire Protection Forester. Forestry and Soil Resources Division, Guam Dept. of Agriculture. 1980 - 1984.  
Property and Forest Manager. Ecumenical Camp Association, Cleveland, New York, 1976 - 1980.

**Honors and Awards**

2005 Blue Ribbon Award (two) - American Society of Agricultural Engineering (ASAE)  
2004 IANR Excellence in Team Programming Award  
2003 Outstanding New Specialist of 2003. Nebraska Cooperative Extension Association (NCEA)  
2003 Silver Award - Association of Natural Resource Extension Professionals (ANREP)  
2003 Blue Ribbon Award - American Society of Agricultural Engineering (ASAE)  
2002 Gold Award – ANREP  
2002 University of Nebraska IANR 2002 Dinsdale Family Faculty Award  
2001 Silver Award - ANREP  
2000 National Innovation Merit Award, US Department of Transportation

**Research Interests:** Design, develop, test and promote sustainable agroforestry and woody agriculture-based land use systems. Product/market analysis, development and facilitation for conventional and specialty forest products.

**Professional Affiliations:** National Association of State Foresters, Council of Western State Foresters, Western Forestry Leadership Coalition, Society of American Foresters; Association of Temperate Agroforestry; Plains and Prairie Forestry Association, Nebraska Nut Growers Association, Northern Nut Growers Association,

**Collaborators:** US Forest Service, Natural Resources Conservation Service, Nebraska Department of Roads, Rutgers University, National Arbor Day Foundation, Heartland Nuts N' More, USDA Sustainable Agriculture Research and Education program, Nebraska Association of Natural Resource Districts, Nebraska and Northern Nut Growers Associations.

### **Relevant Research Publications**

- Hygnstrom, S.E., Skelton, P.D., Josiah, S.J., Gilsdorf, J.A., Virchow, D.R., Brandle, J.A., Jayaprakash, A.K., Eskridge, K.M., and K.C. VerCauteren.** White-tailed deer browsing and rubbing preferences for trees and shrubs that produce non-timber forest products. HortTechnology. Accepted July 2008.
- Xu, Y.X., Hanna, M.A., and S.J. Josiah.** 2007. Hybrid hazelnut oil characteristics and its potential oleochemical application. J. Industrial Crops and Products 26 (2007) 69-76.
- Awada, T. and S. Josiah.** Physiological responses of four hazelnut hybrids to water availability in Nebraska. J. Great Plains Research 17 (2).Fall 2007. pp 193-202.
- Ruark, G., Josiah, S., Riemenschneider, D. and T. Volk.** 2006. Perennial Crops for Bio-Fuels and Conservation, 2006 Agricultural Outlook Forum - Prospering in Rural America, Arlington VA. February, 2006.
- Gold, M., Godsey, L. and S.J. Josiah.** 2004. Markets and Marketing Strategies for Agroforestry Specialty Products in North America. Agroforestry Systems, 61:371-382. Also in: Nair PKR, Rao MR, and Buck LE (eds.) New Vistas in Agroforestry: A Compendium for the 1st World Congress of Agroforestry, Kluwer, Dordrecht, The Netherlands (2004). 371-382.
- Josiah, S.J., Brott, H. and J. Brandle.** 2004. Producing Woody Floral Products in an Alleycropping System in Nebraska. J. of HortTechnology, April-June, 14(2):203-207
- Josiah, S.J. St. Pierre, R., Brott, H. and J. Brandle.** 2004. Productive Conservation: Diversifying Farm Enterprises by Producing Specialty Woody Products in Agroforestry Systems. Journal of Sustainable Agriculture. 23(3):93-108.

### **Current Grants**

- 2006 Increasing Rural Incomes Through Cooperative Nut Processing and Marketing. Nebraska Value-Added Agricultural Act. \$63,000. Written in partnership with Heartland Nuts N' More.
2006. Increasing Producer Income by Building New Markets for Quality Tree Nuts. USDA Value Added Producer Grant. \$50,877. Written in partnership with Heartland Nuts N' More.
2006. Expanding Hazelnut Genetic Field Trials. Northern Nut Growers Assoc. \$3,500.
- 2005 High Value Enterprises for Small Spaces: Accelerating Commercialization and Integration of Woody Florals and Hybrid Hazelnuts in Sustainable Systems. USDA-SARE. \$150,000.

### **External Competitive Grants submitted and/or awarded to the Nebraska Forest Service with S. Josiah as Co-PI.**

2008. US Forest Service. ReTree Nebraska. Targeting people and technology for healthier urban forests. \$150,000
2008. US Forest Service. Assessing, protecting and enhancing forest health in Nebraska's Niobrara Valley. \$300,000
2008. US Forest Service. Assessing, protecting and enhancing forest health in Nebraska's Pine Ridge. \$300,000
2008. US Forest Service. Hazardous Forest Fuels Reduction in the Niobrara Valley and Pine Ridge. \$1,182,380
2008. Community Enhancement Program. Nebraska Department of Roads. \$500,000.
- 2007-2009. ReTree Nebraska Program. Nebraska Environmental Trust, in partnership with the Neb. Statewide Arboretum. \$1,000,000
2007. Community Enhancement Program. Nebraska Department of Roads. \$350,000.
- 2007 and 2008. US Forest Service. Great Plains Tree and Forest Invasives Initiative. \$900,000
2007. US Forest Service. Quantifying Wood Waste Generation and Institutional Utilization Opportunities in Nebraska. \$37,000.
2007. US Forest Service. Hazardous Forest Fuels Reduction in the Niobrara Valley. \$300,000
2007. US Forest Service. Hazardous Forest Fuels Reduction in the Pine Ridge. \$250,000
- 2005 Enhancing Forest and Grazing Lands by Reducing Fuel Loads in the Pine Ridge Forests. Conservation Innovation Grant, NRCS. \$70,000.
- 2005 Reducing Fuel Loads in the Pine Ridge and Niobrara Valley. US Forest Service. \$80,000
- 2005 Improving Fire Prevention Education in the Urban-Rural Interface. FEMA. \$106,000.
- 2005 Ecological Restoration in the Pine Ridge to Reduce Wildland Fire Risk. Nebraska Environmental Trust. \$300,000.