July 2011

CURRICULUM VITAE

Name: William Richard Teague
Professional title: Professor, Ecosystem Science and Management
Associate Resident Director, Texas AgriLife Research
Senior Scientist of the Borlaug Institute
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Current Position: 80 Percent research, 20 Percent Administration

Position description:

- Assess the effect of different management actions on rangeland hydrology, soil carbon and nitrogen, plant productivity, livestock productivity, and economics. To achieve this, organize, conduct, interpret, and report results from modeling and scientific studies designed to clarify important biological processes and economic consequences in rangeland ecosystems
- Interact in a positive manner with the ranch community to identify researchable problems of importance to the ranching industry.
- As Associate Resident Director: Represent the Resident Director and the Research Unit to external and internal stakeholders. Support and represent faculty and staff to the Resident Director regarding ideas, needs, capabilities and programs of the research faculty. Support and facilitate operational aspects of the Research Unit.

Education:

- B.S. (Agriculture - Grassland Science); University of Natal, Pietermaritzburg, 1972.
- Ph.D. (Botany/Ecology), University of the Witwatersand, Johannesburg, 1987.

Employment Experience:

- Range Ecologist, Professor and Associate Resident Director, Texas AgriLife Research, 2008 to date
- Range Ecologist , Professor, Texas Agricultural Experiment Station, 2003 to 2008
- Range Ecologist, Associate Professor, Texas Agricultural Experiment Station, 1991-2003
- Agricultural Research Officer, Senior ARO and Specialist Researcher, South Africa 1982-1991
- Pasture science lecturer, University of Fort Hare, South Africa, 1982
- Agricultural Research Officer, Matopos, 1978

Professional Memberships:

- Society for Range Management
- Ecological Society of America.
- Int. Soil and Water Conservation Society
- Society for Ecological Restoration

Grants received:

Acquired over $1,600,000 research funds as PI or co-PI since joining Texas A&M; and have been responsible for directing over $1,400,000 of these funds as PI. The major portion (80%) was from the USDA National Research Initiative, Agricultural Systems competitive grants program.

Recent Publications:

2011. Teague, W.R., Dowhower, S.L., Baker, S.A, Haile, N., DeLaune, P.B, Conover, D.M. 2011. Grazing management impacts on vegetation, soil biota and soil chemical, physical and hydrological properties in tall grass prairie. *Agriculture Ecosystems and Environment* 141:310-22.

2010. Teague, W.R., S.L. Dowhower, S.A. Baker, R.J. Ansley, U.P. Kreuter, D.M. Conover, J.A. Waggoner. Soil and herbaceous plant responses to summer patch burns under continuous and rotational grazing. Agriculture, Ecosystems and Environment 137:113–123.

2010. Teague, W. R., S. L. Dowhower, R. J. Ansley, W. E. Pinchak, and J. A. Waggoner. Integrated Grazing and Prescribed Fire Restoration Strategies in a Mesquite Savanna: I. Vegetation Responses. Rangeland Ecology and Management 63:275–285

2010. R. J. Ansley, W. E. Pinchak, W. R. Teague, B. A. Kramp, D. L. Jones, and K. Barnett. Integrated Grazing and Prescribed Fire Restoration Strategies in a Mesquite Savanna: II. Fire Behavior and Mesquite Landscape Cover Responses. Rangeland Ecology and Management 63:286–297.

2010. Pinchak, W. E., W. R. Teague, R. J. Ansley, J. A. Waggoner, and S. L. Dowhower. Integrated Grazing and Prescribed Fire Restoration Strategies in a Mesquite Savanna: III. Cow-calf production responses. Rangeland Ecology and Management 63:298–307.

2009. Teague, W. R., U.P. Kreuter and W. E. Fox. Economically Efficient Rangeland Management to Sustain Ecosystem Function and Livelihoods. In: Range Livestock and Resource Management, Edited by Victor Squires, UNESCO, EOLSS Publishers Co. Ltd. Oxford, UK.

2009. Teague, W.R., U.P. Kreuter, W.E. Grant, H. Diaz-Solis, M.M. Kothmann. 2009. Economic implications of maintaining rangeland ecosystem health in a semi-arid savanna. Ecological Economics 68:1417-1429.

2009. Diaz-Solis, H., W.E. Grant, M.M. Kothmann, W.R. Teague, J.A. Díaz-García. 2009. Adaptive management of stocking rates to reduce effects of drought on cow-calf production systems in semi-arid grazinglands. Agricultural Systems 100:43-50.

2009. Teague, Richard, Fred Provenza, Brien Norton, Tim Steffens, Matthew Barnes, Mort Kothmann and Roy Roath. Benefits of Multi-Paddock Grazing Management on Rangelands: Limitations of Experimental Grazing Research and Knowledge Gaps. *In: Grasslands: Ecology, Management and Restoration*, Editor: Hans G. Schroder, pp. 1-40. Nova Science Publishers, Inc. ISBN 978-1-60692-023-7.

2008. Kreuter, U.P., J.B. Woodard, C.A. Taylor, W.R. Teague. Perceptions of Texas landowners regarding fire and its use. Rangeland Ecology and Management 61:456-464.

2008. Teague, W.R., R. J. Ansley, W.E. Pinchak, S.L. Dowhower, S.A. Gerrard, J. A. Waggoner. Interannual herbaceous biomass response to increasing honey mesquite cover on two soils. Rangeland Ecology and Management 61:496-508.

2008. Kreuter, U.P., J. B. Woodard, C.A. Taylor, W. R. Teague. Perceptions of Texas landowners regarding fire and its use. Rangeland Ecology and Management 61:456-464.

2008. Teague, W.R., S.E. Duke, J.A. Waggoner, S.L. Dowhower, S.A. Gerrard. 2008. Rangeland vegetation and soil response to summer patch fires under continuous grazing. Arid Land Research and Management. 22:228-241.

2008. Briske, David, Justin Derner, Joel Brown, Sam Fuhlendorf, Richard Teague, Bob Gillen, Andrew Ash, Kris Havstad and Walter Willms. Benefits of Rotational Grazing on Rangelands: An Evaluation of the Experimental Evidence. Rangeland Ecology and Management 61:3-17.

2008. Teague, W.R., W.E. Grant, U.P. Kreuter, H. Diaz-Solis, S. Dube, M.M. Kothmann, W.E. Pinchak, R.J. Ansley. An ecological economic simulation model for assessing fire and grazing management effects on mesquite rangelands in Texas. Ecological Economics, 64:612-625.

2006. Wilcox, Bradford P. Steven L. Dowhower, W. Richard Teague and Thomas L. Thurow. Water balance relationships for honey mesquite rangelands in the Rolling Plains of Texas. Rangeland Ecology and Management 59:600-606.

2004. Teague, W. R. and J. K. Foy. Can the SPUR Rangeland Simulation Model Enhance Understanding of Field Experiments? Arid Land Research and Management. 18:217-228.

2004. Teague, W.R. S.L. Dowhower and J.A. Waggoner. Drought and grazing patch dynamics under different grazing management. Journal of Arid Environments . 58:97-117.

2002. Teague, W. R. and J. K. Foy. Validation of SPUR2.4 Range Simulation Model Using a Cow-Calf Field Experiment. Agricultural Systems. 74:287-302.

2001. Teague, W. R., R.J. Ansley, U.P. Kreuter, W.E. Pinchak and J.M. McGrann. Economics of managing mesquite in north Texas: a sensitivity analysis. J. Range Mgmt. 54:553-560.

1999. Teague, W.R., J. K. Foy, & B.T. Cross. Soil carbon and nitrogen changes following root-plowing of rangeland. J. Range Mgmt. 52:666-670.
1999. Foy, J.K., Teague, W.R. Teague & J.D. Hanson. Evaluation of the upgraded SPUR model (SPUR2.4). Ecological Modelling 118:149-165.