

WALTER H. FICK

PERSONAL INFORMATION

Address: Department of Agronomy
Throckmorton Hall
Kansas State University
Manhattan, KS 66506

Phone: (785) 532-7223
Fax: (785) 532-6094
E-Mail: whfick@ksu.edu

EDUCATION

Ph.D., 1978, Texas Tech University, Agriculture (Range Science)
M.S., 1975, University of Nebraska, Agronomy (Range Management)
B.S., 1973, University of Nebraska, Agronomy (Range Management)

CURRENT POSITION

Professor and Extension Rangeland Management Specialist
Research (0.3 FTE) emphasizes invasive weed/brush management, biology and control of noxious weeds
Extension (0.5 FTE) emphasizes prescribed burning, brush and weed control, and grazing management
Teaching (0.2 FTE) includes grassland monitoring & assessment, grassland monitoring & assessment lab, range ecology, range management planning

MEMBERSHIP IN HONORARY AND PROFESSIONAL SOCIETIES

Phi Eta Sigma	Society for Range Management
Alpha Zeta	Weed Science Society of America
Gamma Sigma Delta	Crop Science Society of America
Sigma Xi	Kansas Academy of Science
Phi Kappa Phi	North Central Weed Science Society
American Society of Agronomy	Kansas Forage and Grassland Council

HONORS AND AWARDS

Meritorious Teaching Award, Kansas Forage & Grassland Council, 2019
Fellow Award, Society for Range Management, 2019
Outstanding Teaching Award, Gamma Sigma Delta, Kansas State University, 2018
Persistence Pays Off Award for Grassland Management Program Faculty, Great Plain IDEA, 2013
Certificate of Excellence, Educational Materials Award, American Society of Agronomy, 2012
Distinguished Achievement Award for Education, North Central Weed Science Society, 2011
KSRE Team Award, Kansas Flint Hills Smoke Management Plan Team, 2011
Meritorious Research Award, Kansas Forage & Grassland Council, 2010
Outstanding Advising, College of Agriculture, Kansas State University, 2004-2005
Trail Boss Award, Kansas Section, Society for Range Management, 2004
Outstanding Advising Award of Merit, Gamma Sigma Delta, Kansas State University, 2002

PROFESSIONAL ACTIVITY

Rangeland Invasive Species Committee, Society for Range Management, 2003-2021
Newsletter Editor, Kansas Section, Society for Range Management - 1992-2021
Teaching Award Subcommittee, Range Science Education Council, 2009-2013
Legislation, Regulatory & Public Policy Committee, North Central Weed Science Society, 2006-2008
Chairman, Forage & Range Weed Control Section, North Central Weed Science Society, 2004
Co-Chairman, Program Committee, 2002 Society for Range Management Annual Meeting, Kansas City, MO

GRANTS (2014-2021)

\$596,424	USDA-CSREES-NRI
\$520,312	USDA-CIG (Co-PI)
\$99,896	National Cattlemen's Beef Association (collaborator)
\$23,400	Private industry
\$16,743	NSF
\$13,958	USDA-AFRI-Cap (collaborator)
\$34,195	USDA-Risk Management Agency

TEACHING AND ADVISING

Courses currently taught:

AGRON 660 Grassland Monitoring & Assessment (on campus and online)
AGRON 662 Grassland Monitoring & Assessment Lab
AGRON 681 Range Ecology
AGRON 790 Range Management Planning

Courses previously taught

AGRON 360 Crop Growth & Development (1990)
AGRON 455 Computer Applications in Agronomy (1987-2003)
AGRON 550 Forage Management & Utilization (2011-2014)

Undergraduate and graduate advising:

Currently advise 9 undergraduates in agronomy
Currently advise 1 Ph.D candidate
Major professor for 3 Ph.D. and 12 M.S. students
On graduate committee for 11 Ph.D. and 16 M.S. students
Advised 4 students that completed Grassland Management Graduate Certificate
Currently advise 7 student pursuing Grassland Management Graduate Certificate
Served as outside chair for 5 Ph.D candidates

PUBLICATIONS (300) total bulletins, abstracts, book chapters, and journal articles)

SELECTED PUBLICATIONS

- Duncan, Z.M., A. Tajchman, M. Ramirez, J. Lemmon, W. Hollenbeck, D. Blasi, W.H Fick, and K.C. Olson. 2021. Effects of prescribed fire timing on grazing performance of yearling beef cattle, forage biomass accumulation, and plant community characteristics on native tallgrass prairie in the Kansas Flint Hills. *Translational Animal Science*, Vol. 5, Issue 2, txab077, <https://doi.org/10.1093/tas/txab077>
- Alexander, J.A., W.H Fick, S.B Ogden, D.A. Haukos, J. Lemmon, G.A. Gatson, and K.C. Olson. 2021. Effects of prescribed fire timing on vigor of the invasive forb sericea lespedeza (*Lespedeza cuneata*), total forage biomass accumulation, plant-community composition, and native fauna on tallgrass prairie in the Kansas Flint Hills. *Translational Animal Science*, Vol. 5, Issue 2, txab079, <https://doi.org/10.1093/tas/txab079>
- Fick, W. 2021. Ranch Management and Drought Monitoring. In: *Beef Tips*, May 2021, Dept. Animal Sci., K-State Research and Extension.

- Owensby, C., and W. Fick. 2021. Enhancing intensive early stocking plus late season grazing for stocker cattle in the Kansas Flint Hills. MF3569. Kansas State University.
- Gasch, C.K., D. Toledo, K. Kral-Obrien, C. Baldwin, C. Bendel, W. Fick, L. Gerhard, J. Harmon, T. Hendrickson, T. Hovick, M. Lakey, D. McGranahan, S. Kossi Nouwakpo, and K. Sedevic. 2020. Kentucky bluegrass invaded rangeland: ecosystem implications and adaptive management approaches. *Rangelands* 42:106-116.
- Ogden, S, D.A. Haukos, KC Olson, J. Lemmon, J. Alexander, G. Gatson, and W.H. Fick. 2019. Grassland bird and butterfly response to sericea lespedeza control via late-season grazing pressure. *The American Midland Naturalist* 181:147-169.
- Fick, W.H. and K. Harmoney. 2019. Great Plains Yucca (*Yucca glauca*) Control on Shortgrass Rangelands. *Weed Technology* 33:192-195.
- Sowers, C.A., G.A. Gatson, J.D. Wolf, W.H. Fick, K.C. Olson. 2019. Botanical composition of yearling-steer and mature-ewe diets in the Kansas Flint Hills. *Rangeland Ecology & Management*. 72:126-135.
- Gatson, G.A., W.H. Fick, W.W. Hsu, and K.C. Olson. 2018. Late summer prescribed fire and fall herbicide application shows strong suppressive effects on sericea lespedeza frequency and vigor. *Kansas Agr. Exp. Sta. Res. Rep. Vol. Issue 1. Cattlemen's Day. Article 3.*
- Alexander, J.A., W.H. Fick, J. Lemmon, G.A. Gatson, and K.C. Olson. 2018. Comprehensive control of sericea lespedeza with four consecutive years of prescribed fire during summer. *Kansas Agr. Exp. Sta. Res. Rep. Vol. Issue 1. Cattlemen's Day. Article 1.*
- Fick, W.H. 2017. Rangeland invasive species in Kansas. *Proc. North Central Weed Science Society, St. Louis, MO. Vol. 72:186.*
- Brunkow, G., and W.H. Fick. 2017. Control of roughleaf dogwood with tebuthiuron pellets in Pottawatomie County, Kansas. *Transactions Kansas Academy of Science. 120:183-186.*
- Farney, J.K., C.B. Rensink, W.H. Fick, D. Shoup, and G.A. Miliken. 2017. Patch burning on tall-grass native prairie does not negatively affect stocker performance or pasture composition. *The Professional Animal Scientist* 33:549-554.
- Fick, W.H. 2017. Rangeland management following wildfire. L514. *Kansas State Univ. Agr. Exp. Sta. and Coop. Ext. Serv.*
- Blocksome, C.E., J. Hartman, and W.H. Fick. 2017. Passing the torch: prescribed fire education in Kansas, U.S.A. *International Congress on Prescribed Fires, February 1-3, 2017, Barcelona, Spain.*
- Smart, A.J. W. Fick, W. Schacht, K. Hickman, and J. Norland. 2017 Grassland management graduate certificate: reaching non-traditional, place-bound students. *Abstracts, Soc. Range Manage. Annual Meeting and Trade Show, January 29-February 2, 2017, St. George, UT. Vol. 70:34.*
- Guretzky, J.A., J. Volesky, M. Stephenson, J.L. Moyer, W.H. Fick, and K.R. Harmoney. 2016. Establishment of annual warm-season grasses in cool-season grass pastures. Poster No. 459-1407 at ASA-CSSA-SSSA Annual Meeting, November 6-9, 2016, Phoenix, AZ.
- Fick, W.H. 2016. Ecology and management of saltcedar. p. 701-702. In: A. Iwaasa, H.A. (Bart) Lardner, M. Schellenberg, W. Willms, and K. Larson (eds.) *Proc. 10th International Rangeland Congress, July 16-22, 2016, Saskatoon, SK.*
- Owensby, C., and W. Fick. 2016. Summer grazing strategies for stocker cattle in the Kansas Flint Hills. MF-3232. *Kansas State Univ. Agr. Exp. Sta. and Coop. Ext. Serv.*
- Cable, T.T., W.H. Fick, and E.J. Raynor. 2015. The potential impacts of saltcedar eradication (*Tamarix* sp.) on the birds of the Cimarron National Grassland. *Trans. Kansas Acad. Sci.* 118:41-47.
- Owensby, C., and W. Fick. 2015. Establishing and managing native prairie plants in small areas. MF-3233. *Kansas State Univ. Agr. Exp. Sta. and Coop. Ext. Serv.*