

Bibliography

Bibliography of Known Published Research Conducted at Tucker Prairie

Drew, W.B. (1947). Floristic composition of grazed and ungrazed prairie vegetation in north-central Missouri. *Ecology* 28, 26-41.

_____. (1959). The University of Missouri Tucker Prairie Research Area : an unbroken tract of tallgrass prairie preserved for scientific study, dedicated September 13, 1958. In University of Missouri bulletin Arts and Science Series (Columbia: University of Missouri), pp. 28.

Goodwin, R.H. (1961). The Nature Conservancy Preserves. *AIBS Bulletin* 11, 17-20.

Steyermark, J.A., and Kucera, C.L. (1961). New combinations in grasses. *Rhodora* 63, 24-26.

Brown, C.D. (1962). A floristic analysis of Missouri prairie. In Department of Botany (Columbia, MO: University of Missouri), pp. 66.

Easterla, D.A. (1962). Avifauna of Tucker Prairie. In Zoology (University of Missouri), pp. 144.

Kucera, C.L., Ehrenreich, J.H., and Brown, C. (1963). Some effects of fire on tree species in Missouri prairie. *Iowa State Journal of Science* 38, 179-185.

Dahlman, R.C., and Kucera, G.L. (1965). Root productivity and turnover in native prairie. *Ecology* 46, 1-2, 84-89.

Koelling, M.R., and Kucera, C.L. (1965). Dry Matter Losses and Mineral Leaching in Bluestem Standing Crop and Litter. *Ecology* 46, 529-532.

Koelling, M.R., and Kucera, C.L. (1965). Productivity and turnover

relationships in native tallgrass prairie. *Iowa State College Journal of Science* 39, 387-392.

Kucera, C.L., Dahlman, R.C., and Koelling, M.R. (1967). Total net productivity and turnover on an energy basis for tallgrass prairie. *Ecology* 48, 536-541.

Dahlman, R.C., and Kucera, C.L. (1968). Tagging native grassland vegetation with carbon-14. *Ecology* 49, 1199-1203.

Goodwin, R.H. (1968). The Role of Private Agencies in Natural Area Preservation. *BioScience* 18, 393-395.

Cancelado, R. (1969). Some aspects of insect populations on Tucker Prairie with special reference to Hemiptera and Miridae. In *Entomology* (Columbia: University of Missouri), pp. 96.

Cancelado, R., and Yonke, T.R. (1969). Collecting prairie insects with malaise traps. *Transactions of the Missouri Academy of Science* 3, 83-88.

Dahlman, R.C., and Kucera, C.L. (1969). Carbon-14 cycling in the root and soil components of a prairie ecosystem. *Proceedings of the National Symposium on Radioecology*, 652-660.

Cancelado, R., and Yonke, T.R. (1970). Effect of prairie burning on insect populations. *Journal of the Kansas Entomological Society* 43, 274-281.

Kopp, D.D., and Yonke, T.R. (1970). Treehoppers (Homoptera: Membracidae) of tucker prairie. *Transactions of the Missouri Academy of Science* 4, 72-75.

Svedarsky, D., and Kucera, C.L. (1970). Effects of gibberellic-acid and post harvest age on germination of prairie grasses. *Iowa State Journal of Science* 44, 513-518.

Yonke, T.R., and Walker, D.L. (1970). Field History, Parasites, and Biology of

Harmostes reflexulus (Say) (Hemiptera: Rhopalidae). *Journal of the Kansas Entomological Society* 43, 444-450.

Koes, R.M., and Pfander, W.H. (1974). Increased utilization of bluestem hay with the addition of water or certain protein sources. *Journal of Animal Science* 38, 662-668.

Herman, R.P., and Kucera, C.L. (1975). Vegetation management and microbial function in a tallgrass prairie. *Iowa State College Journal of Research* 50, 255-260.

Schmidt, N.D., and Kucera, C.L. (1975). Arthropod food chain energetics in Missouri tallgrass prairie. Paper presented at: *Prairie: a multiple view* (University of North Dakota Press).

Ecology, I.o. (1977). *Experimental ecological reserves: a proposed national network* (Washington), pp. 40.

Herman, R.P. (1977). Root Contribution to 'Total Soil Respiration' in a Tallgrass Prairie. *American Midland Naturalist* 98, 227-232.

Schnauss, J., and Kucera, C.L. (1977). Technical Report No. 309: Characteristics of litter decomposition in the grassland biome of the United States. In *Grassland Biome* (U.S. International Biological Program).

Zimmerman, U.D., and Kucera, C.L. (1977). Effects of composition changes on productivity and biomass relationships in tall grass prairie. *American Midland Naturalist* 97, 465-469.

Herman, R.P., and Kucera, C.L. (1978). Total and living microbial biomass from tallgrass prairie soil. Paper presented at: *Fifth Midwest Prairie Conference Proceedings* (Ames, IA: Iowa State University).

Rabinowitz, D. (1978). Abundance and dia spore weight in rare and common prairie grasses. *Oecologia* (Berlin) 37, 213-220.

Torke, K.G. (1978). Energy and nutrient dynamics of sympatric microtine populations on Tucker Prairie (Ann Arbor: University of Missouri-Columbia), pp. 113.

Haddock, R.C. (1979). Seed predation and pollination in Baptista on Tucker Prairie. In Biological Sciences (Columbia: University of Missouri), pp. 55.

Herman, R.P., and Kucera, C.L. (1979). Microbial floristics of a managed tall grass prairie. American Midland Naturalist *101*, 13-20.

Rabinowitz, D. (1979). bi modal distributions of seedling weight in relation to density of *Festuca paradoxa*. Nature (London) *277*, 297-298.

Rabinowitz, D., Bassett, B.K., and Renfro, G.E. (1979). Abundance and neighborhood structure for sparse and common grasses in a Missouri USA prairie. American Journal of Botany *66*, 867-869.

Rabinowitz, D., and Rapp, J.K. (1979). Dual dispersal modes in hair grass *Agrostis-hiernalis* gramineae. Bulletin of the Torrey Botanical Club *106*, 32-36.

Chaplin, S.J. (1980). An energetic analysis of host plant selection by the large milkweed bug, *Oncopeltus fasciatus*. Oecologia *46*, 254-261.

Rabinowitz, D., and Rapp, J.K. (1980). Seed rain in a North American tall grass prairie. Journal of Applied Ecology *17*, 793-802.

Callahan, J.M., and Kucera, C.L. (1981). Magnesium flux and storage relationships in Missouri USA tall grass prairie. American Midland Naturalist *106*, 345-351.

Rabinowitz, D. (1981). Buried viable seed in a North American tallgrass prairie: the resemblance of their abundance and composition to dispersing seeds. Oikos *36*, 191-195.

Rabinowitz, D., and Rapp, J.K. (1981). Dispersal abilities of 7 sparse and common grasses from a Missouri USA prairie. *American Journal of Botany* 68, 616-624.

Rabinowitz, D., Rapp, J.K., Sork, V.L., Rathcke, B.J., Reese, G.A., and Weaver, J.C. (1981). Phenological properties of wind pollinated and insect pollinated prairie plants. *Ecology (Washington D C)* 62, 49-56.

Angle, J.S., Dunn, K.A., and Wagner, G.H. (1982). Effect of cultural practices on the soil population of *Aspergillus flavus* and *Aspergillus parasiticus*. *Soil Science Society of America Journal* 46, 301-304.

Haddock, R.C., and Chaplin, S.J. (1982). Pollination and seed production in two phenologically divergent prairie legumes (*Baptisia leucophaea* and *B. leucantha*). *American Midland Naturalist* 108, 175-186.

Landa, K., and Rabinowitz, D.D. (1983). Relative preference of *Arphia sulphurea* (Orthoptera: Acrididae) for sparse and common prairie grasses. *Ecology (Washington D C)* 64, 392-395.

Loelkes, G.L., and (U.S.), G.S. (1983). Land use/land cover and environmental photointerpretation keys (Reston, VA: U.S. Department of the Interior, Geological Survey), pp. 142.

Turner, M.D., and Rabinowitz, D. (1983). Factors affecting frequency distributions of plant mass the absence of dominance and suppression in competing mono cultures of *Festuca paradoxa*. *Ecology (Washington D C)* 64, 469-475.

Wieder, R.K., Carrel, J.E., Rapp, J.K., and Kucera, C.L. (1983). Decomposition of tall fescue *Festuca elatior-var-arundinacea* and cellulose litter on surface mines and a tall grass prairie in central Missouri USA. *Journal of Applied Ecology* 20, 303-322.

Rabinowitz, D., Rapp, J.K., and Dixon, P.M. (1984). Competitive abilities of

sparse grass species means of persistence or cause of abundance. *Ecology* (Washington D C) 65, 1144-1154.

Greenstone, M.H., Hultsch, A.L., and Morgan, C.E. (1985). Effects of method and time of preservation on volumetric mass estimates of spiders Araneae. *Journal of Arachnology* 13, 406-408.

Greenstone, M.H., Morgan, C.E., and Hultsch, A.L. (1985). Ballooning methodology equations for estimating masses of sticky-trapped spiders. *Journal of Arachnology* 13, 225-230.

Greenstone, M.H., Morgan, C.E., and Hultsch, A.L. (1985). Spider ballooning development and evaluation of field trapping methods araneae. *Journal of Arachnology* 13, 337-346.

Rabinowitz, D., Rapp, J.K., Dixon, P.M., and Khieu, A.T. (1985). Separating Structural and Developmental Variability in Growth Rate Estimates for *Andropogon scoparius* Michx. *Bulletin of the Torrey Botanical Club* 112, 403-408.

Rapp, J.K., and Rabinowitz, D. (1985). Colonization and establishment of Missouri USA prairie plants on artificial soil disturbances i. Dynamics of forb and graminoid seedlings and shoots. *American Journal of Botany* 72, 1618-1628.

Solecki, M.K., and Toney, T. (1986). Characteristics and management of Missouri's public prairies. Paper presented at: The prairie – past, present and future: Proceedings of the Ninth North American Prairie Conference (Fargo, ND: Tricollege University Center for Environmental Studies).

Buyanovsky, G.A., Kucera, C.L., and Wagner, G.H. (1987). Comparative analysis of carbon dynamics in native and cultivated ecosystems. *Ecology* (Washington D C) 68, 2023-2031.

Rabinowitz, D., Rapp, J.K., Cairns, S., and Mayer, M. (1989). The persistence

of rare prairie grasses in Missouri USA environmental variation buffered by reproductive output of sparse species. *American Naturalist* 134, 525-544.

Greenstone, M.H. (1990). Meteorological determinants of spider ballooning – the roles of thermals vs the vertical wind-speed gradient in becoming airborne. *Oecologia* 84, 164-168.

Jackson, L.L. (1990). Life history consequences of greater seed production in a perennial grass, *tripsacum dactyloides*: A comparison of high and low seed-yielding genotypes (Ann Arbor, MI: Cornell University).

Kucera, C.L. (1990). Fire studies at Tucker Prairie. *Iowa Prairie Blazing Star* 2.

Steiner, W.W.M., and Greenstone, M.H. (1991). Segregation studies of isozyme variation in *Metaphidippus galathea* (Araneae, Salticidae). *Journal of Arachnology* 19, 157-160.

Walk, T.C., and Niblack, T.L. (1991). Plant parasitic nematodes found in Missouri prairies (Columbia: University of Missouri), pp. 6.

Edwards, D.E., Kremer, R.J., and Keaster, A.J. (1992). Characterization and growth response of bacteria in soil following application of carbofuran. *Journal of Environmental Science and Health – Part B Pesticides, Food Contaminants, and Agricultural Wastes* 27, 139-154.

Scholl, A., Thorp, R.W., Owen, R.E., and Obrecht, E. (1992). Specific Distinctiveness of *Bombus nevadensis* Cresson and *B. auricomus* (Robertson) (Hymenoptera: Apidae): Enzyme Electrophoretic Data. *Journal of the Kansas Entomological Society* 65, 134-140.

Steiner, W.W.M., Greenstone, M.H., and Stratton, G.E. (1992). Variation in *Schizocosa* (Araneae, Lycosidae), *Metaphidippus* and *Phidippus* (Araneae, Salticidae). *Journal of Arachnology* 20, 35-39.

Stevens, J.J., and Blanchar, R.W. (1992). Soil pH Gradients near Calcite and Dolomite Particles. *Soil Science Society of America Journal* 56, 967-972.

Jordan, D., and Kremer, R.J. (1994). Potential use of soil microbial activity as an indicator of soil quality. In *Soil biota: management in sustainable farming systems*, C.E. Pankhurst, B.M. Doube, V.V.S.R. Gupta, and P.R. Grace, eds. (East Melbourne, VIC: CSIRO), pp. 245-249.

Jordan, D., Kremer, R.J., Bergfield, W.A., Kim, K.Y., and Cacnio, V.N. (1995). Evaluation of microbial methods as potential indicators of soil quality in historical agricultural fields. *Biology and Fertility of Soils* 19, 297-302.

Bock, J.H., and Bock, C.E. (1998). Tallgrass prairie: remnants and relicts. *Great Plains Research* 8, 213-230.

Buyanovsky, G.A., and Wagner, G.H. (1998). Carbon cycling in cultivated land and its global significance. *Global Change Biology* 4, 131-141.

Curtis, J.T. (1999). The angled web of *Argiope aurantia*: Construction functional significance, and spider posture. In *Biological Sciences* (Ann Arbor, MI: University of Missouri-Columbia), pp. 96.

Warren, K.A., and Ryan, M.R. (1999). Do internal fire lanes affect nest depredation rates in prairies? *Prairie Naturalist* 31, 215-220.

Li, J.M., and Kremer, R.J. (2000). Rhizobacteria associated with weed seedlings in different cropping systems. *Weed Science* 48, 734-741.

Webb, E.A. (2000). Stable isotopic compositions of silica phytoliths and plant water in grasses: Implications for the study of paleoclimate. In *Department of Earth Sciences* (London, Ontario: The University of Western Ontario (Canada)).

Parris, M.J. (2001). High larval performance of leopard frog hybrids: Effects of environment-dependent selection. *Ecology* 82, 3001-3009.

Sanchez-Acibo, L., and Rios-Aramayo, R. (2001). Plant concealment and seed pod predation by beetles in *Baptisia alba* (Fabaceae) on Tucker Prairie.

Swengel, A.B. (2001). A literature review of insect responses to fire, compared to other conservation managements of open habitat. *Biodiversity and Conservation* 10, 1141-1169.

Whiteman, N., and Sites, R.W. (2001). Aquatic Polyphaga (Coleoptera) State Records from the Missouri Prairie Region. *Journal of the Kansas Entomological Society* 74, 101-105.

Whitfield, J.B., and Lewis, C.N. (2001). Analytical survey of the braconid wasp fauna (Hymenoptera : Braconidae) on six midwestern US tallgrass prairies. *Annals of the Entomological Society of America* 94, 230-238.

Motavalli, P.P., and Miles, R.J. (2002). Soil phosphorus fractions after 111 years of animal manure and fertilizer applications. *Biology and Fertility of Soils* 36, 35-42.

Kremer, R.J., and Li, J.M. (2003). Developing weed-suppressive soils through improved soil quality management. *Soil & Tillage Research* 72, 193-202.

Navarrete-Tindall, N. (2003). Bringing Back *Festuca paradoxa*, a Native Cool Season Grass, to the Midwest. *The Glade* 6, 6-7.

Suedkamp Wells, K.M., Washburn, B.E., Millspaugh, J.J., Ryan, M.R., and Hubbard, M.W. (2003). Effects of radio-transmitters on fecal glucocorticoid levels in captive dickcissels. *Condor* 105, 805-810.

Wells, K.M.S., Washburn, B.E., Millspaugh, J.J., Ryan, M.R., and Hubbard, M.W. (2003). Effects of radio-transmitters on fecal glucocorticoid levels in captive Dickcissels. *Condor* 105, 805-810.

Kim, S.-J. (2006). Rhizobacteria associated with glyphosate-resistant

soybean (*Glycine max*). In *Soil, Environmental, and Atmospheric Sciences* (Ann Arbor, MI: University of Missouri-Columbia), pp. 189.

Phipps, S.J. (2006). Biodiversity of ants (Hymenoptera: Formicidae) in restored grasslands of different ages. In *Division of Plant Sciences* (Columbia: University of Missouri).

Rouse, M.N. (2007). Diversity of a disease resistance gene homolog in *Andropogon gerardii* (Poaceae) is correlated with precipitation. In *Department of Plant Pathology* (Manhattan, KS: Kansas State University).

Udawatta, R.R., Anderson, S.H., Gantzer, C.J., and Garrett, H.E. (2008). Influence of prairie restoration on CT-measured soil pore characteristics. *Journal of Environmental Quality* 37, 219-228.

Mudgal, A. (2010). Delineation of critical management areas at plot, field, and watershed scales for claypan soils (Columbia, MO: University of Missouri).

Mudgal, A., Anderson, S.H., Baffaut, C., Kitchen, N.R., and Sadler, E.J. (2010). Effects of long-term soil and crop management on soil hydraulic properties for claypan soils. *Journal of Soil and Water Conservation* 65, 393-403.

Navarrete-Tindall, N. (2010). Native cool-season grasses in Missouri. *Missouri Prairie Journal* 31, 20.

Rouse, M.N., Saleh, A.A., Seck, A., Keeler, K.H., Travers, S.E., Hulbert, S.H., and Garrett, K.A. (2011). Genomic and Resistance Gene Homolog Diversity of the Dominant Tallgrass Prairie Species across the US Great Plains Precipitation Gradient. *Plos One* 6.

Joos, C.J. (2013). Influence of habitat selection and habitat quality on the demography of a neotropical migrant songbird, the Bell's Vireo (*Vireo bellii*). In *Biological Sciences* (University of Missouri).

Adhikari, P., Udawatta, R.P., and Anderson, S.H. (2014). Soil thermal properties under prairies, conservation buffers, and corn-soybean land use systems. *Soil Science Society of America Journal* 78, 1977-1986.

Du, C., Goyne, K.W., Miles, R.J., and Zhou, J. (2014). A 1915–2011 microscale record of soil organic matter under wheat cultivation using FTIR-PAS depth-profiling. *Agronomy for Sustainable Development* 34, 803-811.

Valant-Vetschera, K.M., and Wollenweber, E. (2014). Chemodiversity of Exudate Flavonoids in Seven Tribes of Cichorioideae and Asteroideae (Asteraceae). *Zeitschrift für Naturforschung C* 62, 155-163.

Veum, K.S., Goyne, K.W., Kremer, R.J., Miles, R.J., and Sudduth, K.A. (2014). Biological indicators of soil quality and soil organic matter characteristics in an agricultural management continuum. *Biogeochemistry* 117, 81-99.

Roxanne Kellar, P., Ahrendsen, D.L., Aust, S.K., Jones, A.R., and Pires, J.C. (2015). Biodiversity Comparison among Phylogenetic Diversity Metrics and between Three North American Prairies. *Applications in Plant Sciences* 3.