**Central Plains Experimental Range – LTAR publications (2012-2017)**

**2012**

Augustine, D.J., Booth, D.T., Cox, S.E., Derner, J.D. 2012. Grazing intensity and spatial heterogeneity in bare soil in a grazing-resistant grassland. Rangeland Ecology & Management. 65:39-46. DOI: http://dx.doi.org/10.2111/REM-D-11-00005.1

Augustine, D.J., Derner, J.D. 2012. Disturbance regimes and mountain plovers in shortgrass steppe: Large herbivore grazing does not substitute for prairie dog grazing or fire. Journal of Wildlife Management. 76(4):721-728. DOI: 10.1002/jwmg.334

Dijkstra, F., Augustine, D.J., Brewer, P., Von Fischer, J. 2012. Nitrogen cycling and water pulses in semiarid grasslands: Are microbial and plant processes temporarily asynchronous? Oecologia. 170:799-808. DOI 10.1007/s00442-012-2336-6

**2013**

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Blumenthal, D.M., Resco, V., Morgan, J.A., Williams, D.G., Lecain, D.R., Hardy, E.M., Pendall, E., Bladyka, E. 2013. Invasive forb benefits from water savings by native plants and carbon fertilization under elevated CO2 and warming. New Phytologist. 200(4):1156-1165. DOI: 10.1111/nph.12459

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Rebollo, S., Milchunas, D., Stapp, P., Augustine, D.J. Derner, J.D. 2013. Disproportionate effects of non-colonial small herbivores on structure and diversity of grassland dominated by large herbivores. Oikos. 122:1757-1767. DOI: 10.1111/j.1600-0706.2013.00403.x

Reeves, J.L., Derner, J.D., Sanderson, M.A., Hendrickson, J.R., Kronberg, S.L., Petersen, M.K., Vermeire, L.T. 2013. Seasonal weather influences on yearling beef steer production in C3-dominated Northern Great Plains rangeland. Agriculture, Ecosystems and Environment. 183:110-117. http://dx.doi.org/10.1016/j.agee.2013.10.030

Reeves, J.L., Derner, J.D., Sanderson, M.A., Petersen, M.K., Vermeire, L.T., Hendrickson, J.R., Kronberg, S.L. 2013. Temperature and precipitation affect steer weight gains differentially by stocking rate in northern mixed-grass prairie. Rangeland Ecology & Management. 66(4):438-444. DOI: http://dx.doi.org/10.2111/REM-D-12-00157.1

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**2017**

Augustine, D.J., Derner, J.D., Milchunas, D., Blumenthal, D.M., Porensky, L.P. 2017. Grazing moderates increases in C3 grass abundance over seven decades across a soil texture gradient in shortgrass steppe. Journal of Vegetation Science. DOI: 10.1111/jvs.12508

Porensky, L.M., Derner, J.D., Augustine, D.J., Milchunas, D.G. 2017. Plant community composition after 75 years of sustained grazing intensity treatments in shortgrass steppe. Rangeland Ecology & Management. DOI: <http://dx.doi.org/10.1016/j.rama.2016.12.001>

**Top 5 articles for LTAR**

Augustine, D.J., Derner, J.D., Milchunas, D., Blumenthal, D.M., Porensky, L.P. 2017. Grazing moderates increases in C3 grass abundance over seven decades across a soil texture gradient in shortgrass steppe. Journal of Vegetation Science. DOI: 10.1111/jvs.12508

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