

Name David C. Hartnett

Title University Distinguished Professor

Publications

- Hartnett, D.C. and W.G. Abrahamson. 1979. The effects of stem gall insects on life history patterns in Solidago canadensis. Ecology 60:910-917.
- Hartnett, D.C. and F.A. Bazzaz. 1983. Physiological integration among intracloonal ramets in Solidago canadensis. Ecology 64:779-788.
- Hartnett, D.C. and F.A. Bazzaz. 1984. Leaf demography and plant-insect interactions: Goldenrods and phloem-feeding aphids. Amer. Nat. 124:137-142.
- Hartnett, D.C. and F.A. Bazzaz. 1985. The integration of neighborhood effects by clonal genets in Solidago canadensis L. J. Ecol. 73:415-427.
- Hartnett, D.C. and F.A. Bazzaz. 1985. The regulation of leaf, ramet, and genet densities in experimental populations of the rhizomatous perennial, Solidago canadensis. J. Ecol. 73:429-443.
- Hartnett, D.C. and F.A. Bazzaz. 1985. The genet and ramet population dynamics of Solidago canadensis L. in an abandoned field. J. Ecol. 73:407-413.
- Hartnett, D.C. and F.A. Bazzaz. 1986. Leaf demography and plant-insect interactions: a further comment. Amer. Nat. 127:561-564.
- Hartnett, D.C., B.B. Hartnett, and F.A. Bazzaz. 1987. Persistence of Ambrosia trifida populations in old-fields and responses to successional changes. Amer. J. Bot. 1239-1248.
- Hartnett, D.C. 1987. Effects of fire on clonal growth and dynamics of Pityopsis graminifolia L. Amer. J. Bot. 74:1737-1743.
- Hartnett, D.C. and D.R. Richardson. 1989 The population biology of Bonamia grandiflora (Convolvulaceae): Effects of fire on plant and seed bank dynamics. Amer. J. Bot. 76:361-369.
- Hartnett, D.C. and D.M. Krofta. 1989. Fifty-five years of post-fire succession in a southern mixed hardwood forest. Bull. Torrey Bot. Club 116:107-113.
- Wiedenhamer, J.D., D.C. Hartnett, and J.T. Romeo. 1989. Density-dependent phytotoxicity: Distinguishing resource competition and allelopathic interference in plants. J. Appl. Ecol. 26: 613-624.
- Hartnett, D.C. 1989. Density- and growth stage-dependent responses to defoliation in two rhizomatous grasses. Oecologia 80: 414-420.

- Hetrick, B.A.D., G.T. Wilson, and D.C. Hartnett. 1989. Relationship between mycorrhizal dependence and competitive ability of two tallgrass prairie grasses. *Can. J. Bot.* 67: 2608-2615.
- Kaczor, S.A. and D.C. Hartnett. 1990. Gopher tortoise (*Gopherus polyphemus*) effects on soils and vegetation in a Florida sandhill community. *Amer. Midl. Nat.* 123: 100-111.
- Schaeffer, D.J., T.R. Seastedt, D.J. Gibson, D.C. Hartnett, B.A.D. Hetrick, S.W. James, D.W. Kaufman, A.P. Schwab, E.E. Herricks, and E.W. Novak. 1990. Use of field bioassessments to select test systems for relevant impact assessments or hazard evaluations. IX. Training lands in tallgrass prairie. *Envir. Manage.* 14: 81-93.
- Abrahamson, W.G. and D.C. Hartnett. 1990. Pine flatwoods and dry prairies. pp. 103-149. In: Ewel, J. and R. Myers (eds.) *Ecosystems of Florida*. University Presses of Florida, Gainesville.
- Gibson, D.J., D.C. Hartnett, and G. Smith-Merrill. 1990. Fire temperature heterogeneity in contrasting fire-prone habitats: Kansas tallgrass prairie and Florida sandhills. *Bull. Torrey Bot. Club* 117: 349-356.
- Hartnett, D.C. 1990. Size-dependent allocation to seed and vegetative reproduction in four clonal composites. *Oecologia* 84: 254-259.
- Adee, S.R., W.F. Pfender, and D.C. Hartnett. 1990. A quantitative study of the competitive interactions between *Pyrenophora tritici-repentis* and *Septoria nodorum* in the wheat leaf by use of DeWit replacement series. *Phytopathology* 80: 1177-1182.
- Hartnett, D.C. 1991. Effects of fire in tallgrass prairie on growth and reproduction of prairie coneflower (*Ratibida columnifera*: Asteraceae). *Amer. J. Bot.* 78:429-435.
- Hartnett, D.C. and D.M. Krofta. 1991. The vascular flora of McCarty Woods, Hernando County, Florida. *Fla. Sci.* 54: 25-33.
- Fay, P.A. and D.C. Hartnett. 1991. Constraints on growth and allocation patterns of *Silphium integrifolium* (Asteraceae) caused by cynipid gall wasps. *Oecologia* 88:243-250.
- Vinton, M.A. and D.C. Hartnett. 1992. Effects of bison grazing on *Andropogon gerardii* and *Panicum virgatum* in burned and unburned tallgrass prairie. *Oecologia* 90:374-382.
- Vinton, M.A., D.C. Hartnett, E.J. Finck and J.M. Briggs. 1993. Interactive effects of fire, Bison (*Bison bison*) grazing and plant community composition in tallgrass prairie. *Amer. Midl. Natur.* 129:10-18.
- Fay, P.A., A.K. Knapp, and D.C. Hartnett. 1993. Increased photosynthesis and water potentials in *Silphium integrifolium* galled by cynipid wasps. *Oecologia* 93:114-120.
- Hartnett, D.C. 1993. Regulation of clonal growth and dynamics of *Panicum virgatum* in tallgrass prairie: effects of neighbor removal and nutrient addition. *Amer. J. Bot.*

80:1114-1120.

Hartnett, D.C., B.A.D. Hetrick, G.T. Wilson, and D.J. Gibson. 1993. Mycorrhizal influence on intra- and interspecific neighbour interactions among co-occurring prairie grasses. *J. Ecol.* 81:787-795.

Hetrick, B.A.D., D.C. Hartnett, G.W.T. Wilson and D.J. Gibson. 1994. Effects of mycorrhizae, phosphorus availability and plant density on yield relationships among competing tallgrass prairie grasses. *Can. J. Bot.* 72:168-176.

Hartnett, D.C., R.J. Samenus, L.E. Fischer and B.A.D. Hetrick. 1994. Plant demographic responses to mycorrhizal symbiosis in tallgrass prairie. *Oecologia* 99:21-26.

Hartnett, D.C. and K.H. Keeler. 1995. Population Processes. Pp. 82-99, In: A. Joern and K.H. Keeler (eds). *The Changing Prairie*. Oxford University Press, Oxford.

Pfeiffer, K.E. and D.C. Hartnett. 1995. Bison selectivity and grazing responses of little bluestem in tallgrass prairie. *J. Range Manage.* 48:26-31.

Hickman, K.R., D.C. Hartnett, and R.C. Cochran. 1995. Effects of grazing systems and stocking rates on plant species diversity in Kansas tallgrass prairie. pp. 228-229 In: N.E. West (ed.) *Proc. Fifth International Rangeland Congress: Rangelands in a Sustainable Biosphere*.

Hartnett, D.C., K.R. Hickman and L.E. Fischer Walter. 1995. Effects of bison on plant species diversity in tallgrass prairie. pp. 215-216 In: N.E. West (ed.) *Proc. Fifth International Rangeland Congress: Rangelands in a Sustainable Biosphere*.

Hartnett, D.C. (editor). 1995. *Prairie Biodiversity*. Proceedings of the Fourteenth North American Prairie Conference, Manhattan, KS 257 pp.

Hartnett, D.C. 1995. Role of grazing and fire management in grassland diversity and production. pp. 72-76 In *Fifty Years of Range Research*. Kansas State University.

Fischer Walter, L.E., D.C. Hartnett, B.A.D. Hetrick and A.P. Schwab. 1996. Interplant phosphorous transfer in a tallgrass prairie community. *Amer. J. Botany* 83:180-184.

Fay, P.A., D.C. Hartnett, and A.K. Knapp. 1996. Plant tolerance of gall-insect attack and gall insect performance. *Ecology* 77:521-534.

Hartnett, D.C., K.R. Hickman and L.E. Fischer-Walter. 1996. Effects of bison grazing. Fire and topography on floristic composition and diversity in tallgrass prairie. *J. Range Manage.* 49:413-420.

Hartnett, D.C., A.A. Steuter and K.R. Hickman. 1997. Comparative ecology of native and introduced ungulates. pp. 72-101. In: F. Knopf and F. Samson (eds.) *Ecology and Conservation of Great Plains Vertebrates*. Springer-Verlag.

Wilson, G.W.T. and D.C. Hartnett. 1997. Effects of mycorrhizae on plant growth and

- dynamics in experimental tallgrass prairie microcosms. *Amer. J. Bot.* 84:478-482.
- Damhoureyeh, S.A. and D.C. Hartnett. 1997. Effects of bison and cattle on growth, reproduction, and abundances of five tallgrass prairie forbs. *Amer. J. Bot.* 84:1719-1728.
- Hartnett, D.C. and P.A. Fay. 1998. Plant populations: patterns and processes. pp. 81-99. In: A.K. Knapp, J.M. Briggs, D.C. Hartnett and S.L. Collins (eds.). *Grassland Dynamics: Long-Term Ecological Research in Tallgrass Prairie*. Oxford University Press, NY.
- Collins, S.L., J.M. Briggs, D.C. Hartnett, and A.K. Knapp. 1998. The dynamic tallgrass prairie: Synthesis and research opportunities. pp. 301-315 In: A.K. Knapp, J.M. Briggs, D.C. Hartnett and S.L. Collins, (eds.). *Grassland Dynamics: Long-Term Ecological Research in Tallgrass Prairie*. Oxford University Press, NY.
- Knapp, A.K., J.M. Briggs, D.C. Hartnett and S.J. Collins (editors). 1998. *Grassland Dynamics: Long-Term Ecological Research in Tallgrass Prairie*. Oxford University Press, NY, 336 pp.
- Wilson, G.W.T. and D.C. Hartnett. 1998. Interspecific variation in plant responses to mycorrhizal colonization in tallgrass prairie. *American Journal of Botany* 85:1731-1738.
- Hartnett, D.C. and G.W.T. Wilson. 1999. Mycorrhizae influence plant community structure and diversity in tallgrass prairie. *Ecology* 80:1187-1195.
- Gibson, D.J., J. Connolly, D.C. Hartnett and J.D. Weidenhamer. 1999. Designs for greenhouse studies of interactions between plants. *J. Ecol.* 87:1-16.
- Knapp, A.K., J.M. Blair, J.M. Briggs, S.L. Collins, D.C. Hartnett, L.C. Johnson, E.G. Towne. 1999. The keystone role of bison in North American tallgrass prairie. *BioScience* 49: 39-50.
- Eom, A.H., D.C. Hartnett, G.W.T. Wilson, and D.A. Figge. 1999. Effects of fire, mowing, and fertilizer amendments on arbuscular mycorrhizas in tallgrass prairie. *American Midland Naturalist* 142:55-69.
- Smith, M.D., D.C. Hartnett, and G.W.T. Wilson. 1999. Interacting influence of mycorrhizal symbiosis and competition on plant diversity in tallgrass prairie. *Oecologia* 121:574-582.
- Eom, A.H., D.C. Hartnett, and G.W.T. Wilson. 2000. Host plant species effects on arbuscular mycorrhizal fungal communities in tallgrass prairie. *Oecologia* 122:435-444.
- Smith, M.D., D.C. Hartnett, and G.W. Rice. 2000. Effects of long-term fungicide application on microbial processes in tallgrass prairie soils. *Soil Biology and Biochemistry* 32: 935-946.
- Ohlenbusch, P. D., and D. C. Hartnett. 2000. Prescribed burning as a management practice. *Kansas Agricultural Experiment Station Publication L-815*.

- Eom, A. H., G. W. T. Wilson, and D. C. Hartnett. 2001. Effects of ungulate grazers on arbuscular mycorrhizal symbiosis and fungal community structure in tallgrass prairie. *Mycologia* 93: 233-242.
- Rogers, W. E., D. C. Hartnett, and B. Elder. 2001. Effects of pocket gopher disturbances on tallgrass prairie community structure. *Amer. Midl. Nat.* 145:344-357
- Hickman, K. R., and D. C. Hartnett. 2001. Effects of grazing intensity on growth, reproduction, and abundances of three palatable forbs in Kansas tallgrass prairie. *Plant Ecology* 156: 2-9.
- Wilson, G. W. T., D. C. Hartnett, M. D. Smith, and K. L. Kobbeman. 2001. Effects of mycorrhizas on growth and demography of tallgrass prairie forbs. *Amer. J. Botany* 88: 1452-1457.
- Rogers, W. E., and D. C. Hartnett. 2001. Temporal vegetation dynamics and recolonization mechanisms on different-sized soil disturbances in tallgrass prairie. *Amer. J. Botany* 88: 1634-1642.
- Rogers, W. E., and D. C. Hartnett. 2001. Vegetation responses to different spatial patterns of soil disturbances in burned and unburned tallgrass prairie. *Plant Ecology* 155:99-109.
- Hartnett, D. C. 2001. Symbiosis. In: R. Robinson (ed.). *Biology for Students*. Macmillan Publ. New York
- Hickman, K.R. and D.C. Hartnett. 2002. Effects of grazing intensity on growth, reproduction, and abundance of three palatable forbs in tallgrass prairie. *Plant Ecology* 159:23-33.
- Hartnett, D.C. and G.W.T. Wilson. 2002. The role of mycorrhizae in plant community structure and dynamics: lessons from grasslands. Pp. 319-331 In: S. E. Smith and F. Andrew Smith (eds.). *Diversity and Integration in Mycorrhizas*. Kluwer Academic Pub., London.
- Damhoureyeh, S.A. and D.C. Hartnett. 2002. Variation in grazing tolerance among three tallgrass prairie plant species. *Am. J. Bot.* 89: 1634-1643.
- Trollope, W.S.W., L.A. Trollope and D.C. Hartnett_ 2002. Fire behaviour as a key factor in the fire ecology of African grasslands and Savannas. pp. 204. *In: D. X, Viegas (ed). Forest Fire Research and Wildland Fire*. Millpress, Rotterdam Netherlands.
- Hickman, K.R., D.C. Hartnett, R.C. Cochran, and C.E. Owensby. 2004. Grazing management effects on plant species diversity in tallgrass prairie. *J. Range Management* 57: 58-65.
- Benson, E., D.C. Hartnett and K. Mann 2004. Belowground bud banks and meristem limitation in tallgrass prairie plant populations. *Am. J. Botany* 91: 416-421.
- Trager, M., G. W. T. Wilson, and D. C. Hartnett. 2004. Concurrent effects of fire regime, grazing and bison wallowing on tallgrass prairie vegetation. *American Midland Naturalist* 152: 37-47.

- Hartnett, D. C., A. L. F. Potgieter, and G. W. T. Wilson. 2004. Fire effects on mycorrhizal symbiosis and root system architecture in southern African savanna grasses. *African Journal of Ecology* 42: 328-337.
- Benson, E. and D. C. Hartnett. 2006. The role of seed and vegetative reproduction in plant recruitment and demography in tallgrass prairie. *Plant Ecology* 180: 9-15.
- Towne, E.G., D.C. Hartnett and R.C. Cochran. 2005. Vegetation trends in tallgrass prairie from bison and cattle grazing. *Ecological Applications* 15: 1550-1559.
- Kula, A. R., D. C. Hartnett and G. W. T. Wilson. 2005. Mycorrhizal symbiosis and insect herbivory in tallgrass prairie microcosms. *Ecology Letters* 81: 61-69.
- Dalgleish, H.J. and D.C. Hartnett. 2006. Belowground bud banks increase along a precipitation gradient of the North American Great Plains: a test of the meristem limitation hypothesis. *New Phytologist* 171: 81-89
- Hartnett, D.C. and F. H. M. Semazzi. 2006. Enhancing collaborative research on the environment in sub-Saharan Africa. National Science Foundation Report, 60 pp.
- Wilson, G. W. T., D. C. Hartnett, and C. W. Rice. 2006. Phosphorus transfer between tallgrass prairie plants linked by a common mycorrhizal mycelial network. *Functional Ecology* 20: 427-435.
- Villarreal, M., R. C. Cochran, D. E. Johnson, E. G. Towne, G. W. T. Wilson, D. C. Hartnett and D. G. Goodin. 2006. Effects of cattle and bison grazing on standing biomass, pasture reflectance characteristics and arbuscular mycorrhizal root colonization in tallgrass prairie. *Grass and Forage Science* 61: 32-41.
- Hartnett, D.C. M. P. Setshogo, and H.J. Dalgleish. 2006. Bud banks of perennial savanna grasses in Botswana. *African Journal of Ecology* 44: 256-263.
- Dalgleish, H.J., A.R. Kula, D.C. Hartnett, and B.K. Sandercock. 2008. Responses of two bunchgrasses to nitrogen addition in tallgrass prairie: the role of bud bank demography. *American Journal of Botany* 95:672-680.
- Woods, T.M., D.C. Hartnett, and C.J. Ferguson. 2008 High propagule production and reproductive fitness homeostasis contribute to the invasiveness of *Lespedeza cuneata* (Fabaceae). *Biological Invasions* (In Press)
- Dalgleish, H.J. and D. C. Hartnett. 2008. The effects of fire frequency and grazing on tallgrass prairie plant composition and productivity are mediated through bud bank demography. *Plant Ecology* (In Press)
- Dalgleish, H.J. and D. C. Hartnett. The effects of fire frequency and grazing on tallgrass prairie plant composition and productivity are mediated through bud bank demography. *Plant Ecology* (submitted)

Woods, T.M., C.J. Ferguson and D. C. Hartnett. Comparative reproductive ecology of the invasive *Lespedeza cuneata* (Fabaceae) and native congeners in tallgrass prairie. Plant Ecology (submitted)

Abstracts

Hartnett, D.C. and W.G. Abrahamson. 1976. The effects of gall insects on life history patterns in Solidago canadensis L. (Compositae). Bull. Ecol. Soc. Amer. 57:24.

Hartnett, D.C. and W.G. Abrahamson. 1978. The effects of stem gall insects on life history patterns in Solidago canadensis L. (Compositae). Bull. Ecol. Soc. Amer. 59:50.

Hartnett, D.C. and F.A. Bazzaz. 1981. Physiological relationships among clonal ramets of a rhizomatous perennial. Bull. Ecol. Soc. Amer. 62:148.

Hartnett, D.C. 1985. Effects of fire on the population dynamics and life history patterns of Pityopsis graminifolia L. in a Florida sandhill community. Amer. J. Bot. 72:854.

Hartnett, D.C. and D.R. Richardson. 1987. Reproduction, population dynamics, and responses to fire in the perennial herb Bonomia grandiflora (Convolvulaceae). Amer. J. Bot. 74:662.

Weidenhamer, J.D., D.C. Hartnett, and J.T. Romeo. 1987. Density-dependent phytotoxicity: A promising new method for allelopathic investigations. Inter. Soc. Chem. Ecol. Abstracts.

Hartnett, D.C. 1989. Density-, size-, and growth stage-dependent variation in responses to defoliation in two clonal prairie grasses. Bull. Ecol. Soc. Amer. 70:136.

Fay, P.A. and D.C. Hartnett. 1989. Effects of a cynipid gall wasp on biomass allocation and reproductive output in Silphium integrifolium in tallgrass prairie. Bull. Ecol. Soc. Amer. 70:110.

Vinton, M.A. and D.C. Hartnett. 1989. Grazed patch and wallow formation by bison and initial plant responses on tallgrass prairie. Bull. Ecol. Soc. Amer. 70:287.

Hartnett, D.C. 1989. Size-dependent allocation to seed and vegetative reproduction in four herbaceous perennial composites. Amer. J. Bot. 76:105.

Adee, S.R., W.F. Pfender, and D.C. Hartnett. 1989. The use of replacement series to study competition between Pyrenophora tritici-repentis and Septoria nodorum in the wheat leaf. Phytopathology 79:1217.

Gibson, D.J., D.C. Hartnett, and G. Smith-Merrill. 1989. Fire temperature heterogeneity in contrasting fire-prone habitats: Kansas tallgrass prairie and Florida sandhills. Proc. 17th Tall Timbers Fire Ecol. Conf.

Hetrick, B.A.D., G.W.T. Wilson, and D.C. Hartnett. 1989. Relationship between mycorrhizal dependence and plant competition. Mycol. Abstracts

Fay, P.A. and D.C. Hartnett. 1989. Effects of a cynipid gall wasp on biomass allocation and reproductive output in Silphium integrifolium in tallgrass prairie. Bull. Ecol. Soc. Amer. 70:110.

Vinton, M.A. and D.C. Hartnett. 1989. Grazed patch and wallow formation by bison and initial plant responses on tallgrass prairie. Bull. Ecol. Soc. Amer. 70:287.

Hartnett, D.C. 1990. Effects of fire regime on growth and reproduction of three tallgrass prairie forbs. A

Vinton, M.A. and D.C. Hartnett. 1990. Effects of clipping and bison grazing on the growth dynamics of two tallgrass prairie species. Bull. Ecol. Soc. Amer. 71:356.

Fay, P.A., D.C. Hartnett, and A.K. Knapp. 1991. Effects of cynipid galls on water potentials and gas exchange in Silphium integrifolium. Bull. Ecol. Soc. Amer. 72:112.

Hartnett, D.C. 1991. Regulation of the structure and growth of Panicum virgatum clones in tallgrass prairie: effects of neighbor removal and nutrient addition. Amer. J. Bot. 78:56-57.

Ward, L.E., R. Kazmaier, and D.C. Hartnett. 1991. Forb species responses to bison activity on Kansas tallgrass prairie. Amer. J. Bot. 78:87-88.

Fay, P.A., D.C. Hartnett, and A.K. Knapp. 1992. How resource availability modifies a plant-gall insect interaction. Bull. Ecol. Soc. Amer. 73:172.

Hartnett, D.C., L.E. Ward, and P.A. Fay. 1992. Fire effects on plant-gall insect interactions in tallgrass prairie. Bull. Ecol. Soc. Amer. 73:202.

Pfeiffer, K.E. and D.C. Hartnett. 1993. Bison selectivity and grazing responses of Schizachyrium scoparium and Andropogon gerardii in burned and unburned tallgrass prairie. Bull. Ecol. Soc. Amer. 74:392.

Hartnett, D.C., B.A.D. Hetrick and G.T. Wilson. 1993. VA-Mycorrhizal influence on competition among co-occurring prairie grasses. Bull. Ecol. Soc. Amer. 74:269.

Hartnett, D.C., B.A.D. Hetrick, G.W.T. Wilson, and D.J. Gibson. 1993. Mycorrhizal mediation of competitive interactions among co-occurring tallgrass prairie grasses. Proc. Ninth North American Conference on Mycorrhizae. p. 2.

Samenus, R.J., D.C. Hartnett, and L.E. Fischer. 1993. Plant demographic responses to mycorrhizal activity on burned and unburned tallgrass prairie. Proc. Ninth North American Conference on Mycorrhizae. p. 25.

Fischer, L.E., B.A.D. Hetrick, D.C. Hartnett, and A.P. Schwab. 1993. Mycorrhizal-mediated interplant phosphorus transfer among tallgrass prairie species. Proc. Ninth North American Conference on Mycorrhizae. p. 12.

Elder, B., O.J. Reichman, D.C. Hartnett, N. Huntly, R. Inouye, W.E. Rogers, T. Wasley and

- E. Burr. 1993. The influence of animal-generated disturbances on multiscale patterns of resources and vegetation. Abst. LTER Sci. Mtg. Inter. Summit. p. 24.
- Fay, P.A., D.C. Hartnett, L.E. Fischer and W. Adamsen. 1993. Tallgrass prairie gall insect population trends after fire. Abst. LTER Sci. Mtg. Inter. Summit. p. 25.
- Fischer, L.E., B.A.D. Hetrick, D.C. Hartnett and A.P. Schwab. 1993. Mycorrhizal-mediated interplant phosphorus transfer among tallgrass prairie species. Abstr. LTER Sci. Mtg. Inter. Summit. p. 26.
- Pfeiffer, K.E. and D.C. Hartnett. 1993. Bison selectivity and grazing responses of Schizachyrium scoparium and Andropogon gerardii in burned and unburned tallgrass prairie. Abstr. LTER Sci. Mtg. Inter. Summit. p. 48.
- Hartnett, D.C., K.R. Hickman and L.E. Fischer Walter. 1994. Effects of bison on floristic diversity in tallgrass prairie. Proc. 14th North American Conference. p. 25.
- Wilson, G.W.T., B.A.D. Hetrick, T.C. Todd, and D.C. Hartnett. 1994. Role of mycorrhizal symbiosis in the tallgrass prairie. Proc. 14th North American Prairie Conference. p. 26.
- Knapp, A.K., J.M. Briggs, J.M. Blair, W.K. Dodds, D.C. Hartnett, D.W. Kaufman and C.W. Rice. 1994. Long-term ecological research at the Konza Prairie Research Natural Area. Proc. 14th North American Prairie Conference. p. 46.
- Fischer Walter, L.E., B.A.D. Hetrick, D.C. Hartnett and A.P. Schwab. 1994. Interplant phosphorus transfer in tallgrass prairie. Proc. 14th North American Prairie Conference. p. 39.
- Fay, P.A., D.C. Hartnett, and A.K. Knapp. 1994. Plant and gall-insect responses to resource availability and competitors. Bull. Ecol. Soc. Amer. 75:40.
- Hartnett, D.C., K.R. Hickman and L.E. Fischer Walter. 1995. Effects of bison grazing on floristic diversity in tallgrass prairie. Proc. Fifth Inter. Rangeland Congress.
- Hickman, K.R., D.C. Hartnett and R.C. Cochran. 1995. Effects of grazing systems and stocking rates on plant species diversity in Kansas tallgrass prairie. Proc. Fifth Inter. Rangeland Congress.
- Hickman, K.R., D.C. Hartnett and R.C. Cochran. 1995. Effects of grazing systems and stocking rates on plant species diversity in Kansas tallgrass prairie. Proc. Fifth Inter. Rangeland Congress.
- Olson, K.C., R.C. Cochran, D.C. Hartnett, C.E. Owensby, and D.E. Johnson. 1995. Effect of grazing system and stocking rate on cow-calf performance in the tallgrass prairie region. Midwest Reg. Amer. Soc. Animal Sci.
- Hartnett, D.C., Eom, A.H., G.W.T. Wilson, and D. Figge. 1995. Grazing effects on mycorrhizas in tallgrass prairie. Bull. Ecol. Soc. Amer. 76:111.

- Wilson, G.W.T. and D.C. Hartnett. 1995. Effects of mycorrhizas on plant growth and dynamics in experimental tallgrass prairie microcosms. *Bull. Ecol. Soc. Amer.* 76:285.
- Fay, P.A., D.C. Hartnett, L.E. Fischer-Walter, and B. Adamsen. 1995. Tallgrass prairie gall-insect population trends after fire. *Bull. Ecol. Soc. Amer.*
- Hickman, K.R., D.C. Hartnett, and R.C. Cochran. 1995. Plant community responses to bison and cattle grazing in tallgrass prairie: effects of grazing system and intensity. *Bull. Ecol. Soc. Amer.* 76:117.
- Hickman, K.R., D.C. Hartnett, R.C. Cochran and C.E. Owensby. 1996. Tallgrass prairie plant population and community responses to cattle grazing regimes. *Soc. Range Mgmt. Abstr.*
- Hartnett, D.C. 1996. Mycorrhizal mediation of plant competition, demography and species diversity in grasslands. *Proc. First International Conf. on Mycorrhizae.* p. 60.
- Eom, A.H., D.C. Hartnett and G. Wilson. 1996. The effects of fire, mowing and fertilizer amendments on mycorrhizas in tallgrass prairie. *Proc. First Inter. Conf. on Mycorrhizae.* p. 48.
- Wilson, G. and D.C. Hartnett. 1996. Mycorrhizal influence on floristic composition and diversity in tallgrass prairie. *Proc. First Inter. Conf. on Mycorrhizae.* p. 127.
- Rogers, W.E. and D.C. Hartnett. 1997. Effects of simulated pocket gopher (*Geomys bursarius*) disturbances on vegetation dynamics in tallgrass prairie. *British Ecological Society Symposium, Wageningen, The Netherlands.*
- Smith, M.D. and D.C. Hartnett. 1997. Influence of mycorrhizae and keystone competitors on tallgrass prairie plant communities. *Bull. Ecol. Soc. Amer.* 78:314.
- Rogers, W.E. and D.C. Hartnett. 1997. Effects of pocket gopher disturbances on vegetation dynamics and recolonization mechanisms in tallgrass prairie. *Bull. Ecol. Soc. Amer.* 78:304.
- Smith, M.D., C.W. Rice, and D.C. Hartnett. 1997. The effects of long-term suppression of mycorrhizae on microbial processes and nutrient cycling in tallgrass prairie. *Soil Ecol. Soc. Abstr.*
- Eom, A.H., D.C. Hartnett, and G.W.T. Wilson. 1997. The effects of cattle grazing on mycorrhizal fungal development and community composition in tallgrass prairie. *Bull. Ecol. Soc. Amer.* 78:245.
- Hartnett, D.C. 1997. History and research programs of the Konza Prairie. *Abstr. SW American Chemical Society* 53:129.
- Hartnett, D.C. 1997. Plants, mammals, and fungi: complex interactions in the tallgrass prairie. *Abstr. SW American Chemical Society* 53:132.

- Olson, K.C., R.C. Cochran, D.E. Johnson, D.C. Hartnett, C.E. Owensby and D.M. Grieger. 1977. Effects of grazing management on cow and calf performance in the tallgrass prairie region. *J. Anim. Sci.* 75(Suppl. 1):205.
- Smith, M.D., G.W.T. Wilson, and D.C. Hartnett. 1998. Mycorrhizae and dominant competitors interact to influence tallgrass prairie plant community structure. *Bull. Ecol. Soc. Amer.* 79:122.
- Hartnett, D.C. 1999. Fire, grazing, and biodiversity of grasslands. *Soc. Range Mgmt. Great Plains Grasslands Symposium*. Omaha, NE.
- Hartnett, D.C. 2000. Fire and plant population dynamics in tallgrass prairie. *Kruger National Park Fire Ecology Symposium*, Skukuza, Rep. Of South Africa.
- Wilson, G.W.T., D.C. Hartnett, and T.C. Todd. 2001. Interaction of mycorrhizal symbiosis and herbivory in tallgrass prairie. *Proc. 3rd International Conf. On Mycorrhizas*. p. 43
- Blair, J. M., M.D. Smith, A.K. Knapp, and D.C. Hartnett. 2001. Effects of fire and grazing on patterns of resource availability: A comparison of North American and South African grasslands. *Ecological Society of America Annual Meetings*, Madison, Wisconsin.
- A. Kula, D. C. Hartnett, and G. W. T. Wilson. 2002. Effects of Mycorrhizal Symbiosis on Grasshopper Distribution and Feeding Preference in Prairie Microcosms. *Annual Ecological Society of America Meetings*, Tuscon, AZ.
- W. S. W. Trollope, L. A. Trollope, and D. C. Hartnett. 2002. Fire behavior as a key factor in the fire ecology of African grasslands and savannas *Fourth International Conference on Fire Research*, Luso, Portugal,
- D. C. Hartnett, A. L. F. Potgieter, and G. W. T. Wilson. 2002. Heterogeneity of Mycorrhizal Symbiosis in South African Savannas. *Southern Africa Savanna Conference*, Kruger National Park, South Africa.
- J. Blair, M. Smith, A. Knapp, D. Hartnett, and L. Johnson. 2002. Effects of Fire and Grazing on Patterns of Resource Availability: A Comparison of North American and South African Grasslands. *Southern Africa Savanna Conference*, Kruger National Park, South Africa.
- A. Kula, D. C. Hartnett, and G. W. T. Wilson. 2003. Effects of Mycorrhizal Symbiosis on Grasshopper Herbivory in Prairie Microcosms. *Annual Ecological Society of America Meetings*, Savanna, GA.
- A. Kula, D. C. Hartnett, and G. W. T. Wilson. 2003. Mycorrhizal Symbiosis and insect herbivory in tallgrass prairie. *ILTER All-Scientist Meeting*, Seattle, WA.
- D. C. Hartnett, A. L. F. Potgieter, and G. W. T. Wilson. 2003. Mycorrhizal symbiosis and fire in South African Savannas and North American Prairies. *ILTER All-Scientist Meeting*, Seattle, WA.
- J. M. Blair, A. K. Knapp, J. M. Briggs, W. K. Dodds, D. C. Hartnett, S. L. Collins, and L.

Johnson. 2003. The Konza Prairie LTER Program: Long-term research on grassland dynamics and global change. LTER All-Scientist Meeting, Seattle, WA.

H. J. Dalgleish, D. C. Hartnett, G. W. T. Wilson, and E. J. Benson. 2003. Belowground meristem populations as regulators of grassland dynamics: a cross-site study. LTER All-Scientist Meeting, Seattle, WA.

H. J. Dalgleish and D. C. Hartnett. 2004. Belowground meristem populations as regulators of grassland dynamics. Ecological Society of America Annual Meeting.

H. J. Dalgleish and D. C. Hartnett. 2004. Belowground meristem populations as regulators of grassland dynamics: A cross-site study. LTER All-Scientists Meeting, Portland, OR.

A. R. Kula, D.C. Hartnett, and G.W.T. Wilson. 2004. Grasshopper development and mycorrhizal symbiosis. North Central Branch of the Entomological Society of America Annual Meeting, Kansas City, MO.