

## CURRICULUM VITAE

**Name:** Dr. Johnathan D. Holman

**Rank:** Professor, Cropping Systems Agronomist

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## EDUCATION

Ph.D. 2005 University of Idaho, Plant Soil and Entomological Sciences  
Degree: Plant Science

Dissertation: Kentucky bluegrass (*Poa pratensis*) non-thermal and reduced thermal residue management, and the utilization of Kentucky bluegrass forage in livestock production systems.

M.Sc. 2002 Montana State University, Land Resources and Environmental Sciences  
Degree: Land Resources and Environmental Science

Thesis: Quantification of Persian darnel (*Lolium persicum*) interference in monoculture, spring wheat, canola, and sunflower.

B.Sc. 2000 Montana State University, Plant Sciences and Environmental Sciences  
Degree: Crop Science  
Contributing area of study: Agricultural Business and Economics

## PROFESSIONAL

2018-present Professor of Agronomy, Kansas State University

2008-present Black Diamond Angus Ranch, Co-Owner/Manager

2012-2017 Associate Professor of Agronomy, Kansas State University

2006-2011 Assistant Professor of Agronomy, Kansas State University

2002-2006 University of Idaho Grass Seed Cropping Systems Scientist

2002 Montana Seed Growers Association Field Inspector

1999-2002 Montana State University Graduate Research Assistant, Cropland Weed Science

1998-1999 Bayer Corporation Product Development Representative

## HONORS AND AWARDS

Top Downloaded Article in Agronomy Journal, "Cover crops to improve soil Health in the North American Great Plains", by Wiley 2023

Top Cited Article in Crop Science, "Cover-crop water use and productivity in the high plains wheat-fallow crop rotation", by Wiley 2023

Top Cited Article in Agronomy Journal, "Annual forage impacts on dryland wheat farming in the Great Plains", by Wiley 2023

Forage and Grasslands Outstanding Paper in Crop Science, "Fallow replacement cover crops in a semi-arid High Plains cropping system" 2022

Awarded for 20 years of Extension Service 2022

Awarded for 50-year member Kansas Livestock Association 2022

American Society of Agronomy Fellow Award 2021

American Society of Agronomy Excellence in Educational Materials 2018

Hodgeman County Conservation District and Extension: Soil Bankers Award	2015
Kansas Teachers Hall of Fame Contribution Award	2015
USDA Secretary of Agriculture's Honor for 2013: Enhancing the Economic Vitality and Quality of Life in Rural America	2013
American Society of Agronomy Excellence in Educational Materials	2012
Blue Legacy Award, TX Water Resources Institute	2012
Awarded for 10 years of Extension Service	2012
Awarded promotion to Associate Professor rank and tenure	2012
Appointed to Kansas State University graduate faculty	2007
Gamma Sigma Delta	2006
Western Society of Crop Science student paper contest (3 <sup>rd</sup> place)	2005
American Society of Agronomy Excellence in Educational Materials	2004
Alpha Zeta Honor Society	2004
Arthur Post Memorial Graduate Scholarship	2001
Western Society of Weed Science student paper contest (2 <sup>nd</sup> place)	2001
Montana State University, College of Agriculture and Bozeman, MT	
Chamber of Commerce, Outstanding Undergraduate	2000
Montana Grain Growers Member Development	1998
Montana State University Sophomore Scholastic Honor Society	1997
Alpha Gamma Rho, Professional Agricultural Fraternity	1996
Alpha Lambda Delta Honor Society	1996

#### **PROFESSIONAL SOCIETIES AND ORGANIZATIONS:**

Kansas Forage and Grassland Council	2009-present
Kansas Livestock Association	2009-present
American Society of Agronomy	2003-present
Crop Science Society of America	2003-present
Soil Science Society of America	2003-present
Western Society of Crop Science	2003-present

#### **RESEARCH**

##### **Refereed Journal Publications (76 for the period 2004-2023)**

1. **Holman, J.**, D. Ruiz-Diaz, A. Obour, and Y. Assefa. 2024. N Fertilizer source, rate, placement, and application timing effect on sorghum (grain and forage) and corn grain yields. *Agrosystems, Geosciences & Environment*. DOI: 10.1002/agg2.20469
2. **Holman, J.**, A. Obour, D. O'Brien, and Y. Assefa. 2024. Historic winter wheat yield, production, and economic value trends in Kansas, the "Wheat State". *Crop Sci. Crop Science*, 1–17. <https://doi.org/10.1002/csc2.21171>
3. Obour, A., **J. Holman**, and Y. Assefa. 2023. Continuous no-tillage winter wheat response to nitrogen fertilizer by yield-environment. *AJ*. 1–10. <https://doi.org/10.1002/agj2.21489>

4. Majrashi, M., A. Obour, C. Moorberg, R. Lollato, **J. Holman**, J. Du, M. Mikha, and Y. Assefa. 2023. Tillage and nitrogen rate effects on winter wheat yield in a wheat-sorghum rotation. *Canadian Journal of Soil Science*, 103(4), pp.671-683. <https://doi.org/10.1139/cjss-2023-0028>
5. Blanco, H., K. Wilke, **J. Holman**, C. Creech, A. Obour, and L. Anderson. 2023. Grazing cover crops: How does it influence soils and crops? <http://doi.org/10.1002/agj2.21475>
6. Obour, A., **J. Holman**, and Y. Assefa. 2023. Continuous winter wheat response to nitrogen fertilizer rate in a long-term reduced tillage semi-arid variable yield environments. *Crop Science*, 63, 3509-3519. <http://dx.doi.org/10.1002/csc2.21089>
7. Dhanda, S., V. Kumar, P. Geier, R. Currie, J. Dille, A. Obour, E. Yeager, and **J. Holman**. 2023. Synergistic Interactions of 2,4-D, Dichlorprop-p, Dicamba, and Halauxifen/Fluroxypyr for Controlling Multiple Herbicide-Resistant Kochia (*Bassia scoparia* L.). *Weed Technology*. 1-8. doi:10.1017/wet.2023.48
8. Blanco, H., K. Wilke, **J. Holman**, C. Creech, A. Obour, and L. Anderson. 2023. Grazing cover crops: How does it influence soils and crops?. <http://doi.org/10.1002/agj2.21475>
9. Schlegel, A., **J. Holman**, A. Obour, L. Haag, D. Bond, Y. Assefa. 2023. Soil chemical properties 12 years after termination of cattle manure and swine effluent applications. *Journal of Soil Science*, 87, 1376-1385. <https://doi.org/10.1002/saj2.20584>
10. **Holman, J.**, J. Johnson-Maynard, and Y. Assefa. 2023. Residue removal and nitrogen cycling in burn and non-burn Kentucky bluegrass seed production systems. *Agrosystems, Geosciences & Environment*, 6(2), p. 20381.
11. Vandever, M., **J. Holman**, A. Schlegel, D. O'Brien, A. Obour, L. Haag, and Y. Assefa. 2023. Economics of alternative tillage systems in dryland crop rotations in U.S. Great Plains. *Soil & Tillage Research*, 232, p.105751.
12. **Holman, J.**, A. Obour, S. Johnson, and Y. Assefa. 2023. Nutritive value and net return of forage crop rotations in the central Great Plains. *AJ*, 115(3), pp.1399-1414. <https://doi.org/10.1002/agj2.21316>
13. Obour, A., **J. Holman**, L. Simon, Y. Assefa. 2023. Nitrogen fertilizer and tillage intensity affected winter wheat macronutrient uptake and utilization efficiencies. *Agrosystems, Geosciences & Environment*. <https://doi.org/10.1002/agg2.20334>
14. Schlegel, A., L. Haag, **J. Holman**, and Y. Assefa. 2023. Wheat stubble height effects on subsequent corn and grain sorghum crops. *Crop Science*. <https://doi.org/10.1002/csc2.20890>
15. Obour, A., **J. Holman**, L. Simon, Y. Assefa. 2023. No-tillage and nitrogen fertilization on soil chemical properties under dryland wheat-sorghum-fallow rotation. *Agrosystems, Geosciences & Environment*. <http://doi.org/10.1002/agg2.20330>

16. **Holman, J.**, A. Obour, Y. Assefa. 2023. Forage sorghum grown in a conventional wheat-grain sorghum-fallow rotation increased cropping system productivity and profitability. *Canadian Journal of Plant Science*. <https://doi.org/10.1139/cjps-2022-0171>
17. Tuinstra, Mitchell R., Shelby M. Gruss, Keith D. Johnson, Manoj Ghaste, Joshua R. Widhalm, Sandy K. Johnson, **Johnathon D. Holman**, Augustine Obour, Robert M. Aiken. 2022. Dhurrin stability and hydrogen cyanide release in dried sorghum samples. *Field Crops Research*. <https://doi.org/10.1016/j.fcr.2022.108764>
18. **Holman, J.**, R. Lollato, M. Zarnstorff, J. Houx, Y. Assefa. 2022. Impact of simulated hail damage at different growth stages and canopy positions on rainfed and irrigated winter wheat. *Agronomy Journal*. <https://doi.org/10.1002/agj2.21256>
19. Obour, A., J. Dille, **J. Holman**, L. Simon, B. Sancewich, and V. Kumar. 2022. Spring-planted cover crop effects on weed suppression, crop yield and net returns in no-tillage dryland crop production. *Crop Sci*. <https://doi.org/10.1002/csc2.20801>
20. Majrashi, M., A. K. Obour, C. J. Moorberg, R. P. Lollato, **J. D. Holman**, J. Du, M. M. Mikha, and Y. Assefa. 2022. No-tillage and fertilizer-nitrogen improved sorghum yield in dryland wheat-sorghum-fallow rotation. *Journal of Soil and Water Conservation*, 77 (6) 609-618; DOI: <https://doi.org/10.2489/jswc.2022.00241>
21. **Holman, J. D.**, J. D. Robertson, J. Johnson-Maynard, K. Painter, and Y. Assefa. 2022. Burn and mechanical residue removal methods on production-life of Kentucky bluegrass. *Agrosystems, Geosciences & Environment*. <http://dx.doi.org/10.1002/agg2.20282>
22. Simon, L.M., A. K. Obour, **J. D. Holman**, and K. L. Roozeboom. 2022. Long-term cover crop management effects on soil properties in dryland cropping systems. *Agric. Ecosyst. Environ.* 328, 107852 <https://doi.org/10.1016/j.agee.2022.107852>
23. Obour, A., **J. Holman**, and Y. Assefa. 2022. Single and multi-species dual-purpose cover crop productivity, nutritive value, and profitability. *Agrosystems, Geosciences & Environment*. <https://doi.org/10.1002/agg2.20275>
24. Obour, A., **J. Holman**, Y. Assefa. 2022. Grain sorghum productivity as affected by nitrogen rates and available soil water. *Crop Sci*. 62:1360-1372. DOI: [10.1002/csc2.20731](https://doi.org/10.1002/csc2.20731)
25. Blanco-Canqui, H., S. Ruis, **J. Holman**, C. Creech, and A. Obour. 2021. Can cover crops improve soil ecosystem services in water-limited environments? A review. *Soil Science Society of America Journal* 86:1-18 <https://doi.org/10.1002/saj2.20335>
26. **Holman, J.**, A. Obour, and Y. Assefa. 2021. Productivity and profitability with fallow replacement forage, grain, and cover crops in W-S-F rotation. *Crop Science*. 62:913-927. <https://doi.org/10.1002/csc2.20670>

27. Simon, L., A. Obour, **J. Holman**, S. Johnson, K. Roozeboom. 2021. Forage productivity and soil properties in dual-purpose cover crops systems. *Agr. Journal*. 113:5569-5583.  
<https://doi.org/10.1002/agj2.20877>
28. Obour, A., L. Simon, **J. Holman**, P. Carr, M. Schipanski, S. Fonte, R. Ghimire, T. Nleya, H. Blanco. 2021. Cover crops to improve soil health in the North American Great Plains. *Agr. Journal*. 113:4590–4604. <https://doi.org/10.1002/agj2.20855>
29. Stamm, M., R. Aiken, S. Angadi, J. Damicone, S. Dooley, **J. Holman**, J. Johnson, E. Kimura, K. Larson, J. Lofton, and D. Santra. 2021. Registration of ‘KS4719’ winter canola. *J Plant Regist.* 1–5. <https://doi.org/10.1002/plr2.20177>
30. **Holman, J.**, A. Obour, Y. Assefa. 2021. Rotation and tillage effects on forage cropping systems productivity and resource use efficiency. *Crop Sci.* 61:3830-3843.  
<https://doi.org/10.1002/csc2.20565>
31. **Holman, J.**, A. Obour, Y. Assefa. 2021. Fallow replacement cover crops in a semi-arid High Plains cropping system. *Crop Sci.* <https://doi.org/10.1002/csc2.20543>
32. Obour, A., **J. D. Holman**, L. M. Simon, A. J. Schlegel. 2021. Strategic tillage effects on crop yields, soil properties, and weeds in dryland no-tillage systems. *Agronomy* 11(4):662.  
<https://doi.org/10.3390/agronomy11040662>
33. Kelly, Courtland, Meagan E. Schipanski, Angela Tucker, Wilma Trujillo, **Johnathon D. Holman**, Augustine K. Obour, S. K. Johnson, Joe E. Brummer, Lucas Haag, and Steven J. Fonte. 2021. Dryland cover crop soil health benefits are maintained with grazing in the U.S. High and Central Plains. *Agriculture, Ecosystems and Environment*. 315:15.  
<https://doi.org/10.1016/j.agee.2021.107358>
34. **Holman, J.**, L. Haag, A. Schlegel, and Y. Assefa. 2021. Yield components of dryland winter wheat genotypes and response to seeding rate. *Agronomy Journal*. 1-16.  
<http://doi.org/10.1002/agj2.20607>
35. Carr, P., J. Bell, D. Boss, P. DeLaune, J. Eberly, L. Edwards, H. Fryer, C. Graham, **J. Holman**, M. Islam, M. Liebig, P. Miller, A. Obour, and Q. Xue. 2020. Annual forage impacts on dryland wheat farming in the Great Plains. *Agronomy Journal*. 113:1, 1-25.  
<https://doi.org/10.1002/agj2.20513>
36. **Holman, JD**, A. Obour, and Y. Assefa. 2020. Cover-crop water use and productivity in the High Plains wheat-fallow crop rotation. *Crop Science*. 61: 1374-1385.  
<https://doi.org/10.1002/csc2.20365>
37. **Holman, JD**, Y. Assefa, M. Stamm, and A. Obour. 2020. Canola yield, forage accumulation, and nutritive value in dual-purpose and companion cropping. *Crop Science*. 63:1, 814-824.  
<https://doi.org/10.1002/csc2.20291>

38. **Holman, JD**, Schlegel A, Obour AK, and Y. Assefa. 2020. Dryland cropping system impact on forage accumulation, nutritive value, and rainfall use efficiency. *Crop Science*. 60:6, 3395-3409. <https://doi.org/10.1002/csc2.20251>
39. Schlegel, A., **J. Holman**, and Y. Assefa. 2020. A single tillage in a long-term no-till system on dryland crop performance. *AJ*. 112:3174-3187. <https://doi.org/10.1002/agj2.20284>
40. Obour AK, **JD Holman**, and AJ Schlegel. 2020. Spring triticale forage responses to seeding rate and nitrogen application. *Agrosyst Geosci Environ*. 2020;3:e20053. <https://doi.org/10.1002/agg2.20053>
41. Kumar V, A. Obour, P. Jha, R. Liu, M.R. Manuchehri, J.A. Dille, **J. Holman**, and P.W. Stahlman. 2020. Integrating cover crops for weed management in the semiarid U.S. Great Plains: Opportunities and challenges. *Weed Sci*. doi:10.1017/wsc.2020.29
42. **Holman, J.**, A. K. Obour and D. B. Mengel. 2019. Nitrogen application effects on forage sorghum production and nitrate concentration, *Journal of Plant Nutrition*, 42:20, 2794-2804, DOI: [10.1080/01904167.2019.1659321](https://doi.org/10.1080/01904167.2019.1659321)
43. Obour, A.K., **J. D. Holman** and A.J. Schlegel. 2019. Seeding rate and nitrogen application effects on oat forage yield and nutritive value. *J. of Plant Nutrition*, DOI: 10.1080/01904167.2019.1617311
44. Stamm, M., S. Angadi, J. Damicone, S. Dooley, **J. Holman**, J. Johnson, J. Lofton, and D. Santra. 2018. Registration of 'Surefire' Winter Canola. *J. Plant Registrations*, 13:3, 316-319. <https://doi.org/10.3198/jpr2019.02.0007crc>
45. Obour, A.K., A.J. Schlegel, R. Perumal., **J.D. Holman**, and D.A Ruiz Diaz. 2018. Evaluating grain sorghum hybrids for tolerance to iron chlorosis. *J. Plant Nutri*. 42:401-409.
46. Mikha, M.M., A.K. Obour, and **J.D. Holman**. 2018. Soil nutrients status after fifty years of tillage and nitrogen fertilization. *Commun. Soil Sci. Plant Anal*. 49:1953-1973.
47. **Holman, J.**, K. Arnet, A. Dille, I. Kisekka, S. Maxwell, A. Obour, T. Roberts, K. Roozeboom, and A. Schlegel. 2018. Can cover (or forage) crops replace fallow in the semiarid Central Great Plains? *Crop Sci*. 58:1-13. doi: 10.2135/cropsci2017.05.0324
48. Obour, A.K., M.M. Mikha, **J.D. Holman**, and P.W. Stahlman. 2017. Changes in soil surface chemistry after fifty years of tillage and nitrogen fertilization. *Geoderma*. 308:46-53. doi:10.1016/j.geoderma.2017.08.020
49. Obour, A.K., K. Harmony, and **J.D. Holman**. 2017. Nitrogen fertilizer application effects on switchgrass herbage mass, nutritive value and nutrient removal. *Crop Sci*. 57:1754-1763.

50. Araya, A., I. Kisekka, P.V.V. Prasad, **J. Holman**, A. J. Foster, and R. Lollato. 2017. Assessing wheat yield, biomass, and water productivity responses to growth stage based irrigation water allocation. *Trans. of the ASABE*. 60(1):107-121. doi:10.13031/trans.11883
51. Haag, L., **J. Holman**, J. Ransom, T. Roberts, S. Maxwell, M. Zarnstorff, and L. Murray. 2017. Plasticity of corn yield components to late season stand reductions in the central and northern Great Plains. *Agron. J.* 109:1–8. doi:10.2134/agronj2015.0523
52. Schlegel, A.J., Y. Assefa, L.A. Haag, C.R. Thompson, **J.D. Holman**, and L.R. Stone. 2016. Yield and soil water in three dryland wheat and grain sorghum rotations. *Agron. J.* 109:1–12. doi:10.2134/agronj2016.07.0387
53. **Holman, J.**, D. Min, N. Klocke, I. Kisekka, and R. Currie. 2016. Effects of irrigation amount and timing on alfalfa nutritive value. *Trans. ASABE*. 59(4):849-860. doi:10.13031/trans.59.11456
54. Araya, A., I. Kisekka, and **J. Holman**. 2016. Evaluating deficit irrigation management strategies for grain sorghum using AquaCrop. *Irrigation Sci.* doi: 10.1007/s00271-016-0515-7.
55. Obour, A.K., P.W. Stahlman, and **J.D. Holman**. 2016. Soil chemical properties as influenced by long-term glyphosate-resistant corn and soybean production in the central Great Plains, USA. *Geoderma* 277:1–9. doi.org/10.1016/j.geoderma.2016.04.029
56. Nielsen, D.C., D.J. Lyon, R.K. Higgins, G.W. Hergert, **J.D. Holman**, and M.F. Vigil. 2016. Cover crop effect on subsequent wheat yield in the Central Great Plains. *Agron. J.* 108:243–256. doi:10.2134/agronj2015.0372
57. Nielsen, D., D.J. Lyon, G.W. Hergert, R. K. Higgins, and **J.D. Holman**. 2015. Cover crop biomass production and water use water use in the Central Great Plains. *Agron. J.* 107:2047-2058. doi:10.2134/agronj15.0186
58. Stamm, M., G. Cramer, S.J. Dooley, **J.D. Holman**, D. Phillips, C.L. Rife, and D.K. Santra. 2015. Registration of ‘Griffin’ Winter Canola. *Journal of Plant Registrations*. 9:144–148. doi:10.3198/jpr2014.05.0037crc
59. Platt, J., D. Presley, P. Tomlinson, **J. Holman**, M. Busch-Hillburn, and Y. He. 2015. Soil erodibility, phosphorus, and microbial biomass within a switchgrass stand. *Trans. Kansas Acad. Sci.* 118(1-2):113-118.
60. Petrosino, J.S., J.A. Dille, **J.D. Holman**, and K.L. Roozeboom. 2015. Kochia suppression with cover crops in southwestern Kansas. *Crop, Forage and Turfgrass Management* 1: doi:10.2134/cftm2014.0078
61. Sohm, G., C. Thompson, Y. Assefa, A. Schlegel, and **J. Holman**. 2014. Yield and quality of irrigated bermudagrass as a function of nitrogen rate. *Agron. J.* 106:1489–1496. doi:10.2134/agronj13.0580

62. Klocke, N.L., R.S. Currie, and **J.D. Holman**. 2013. Alfalfa response to irrigation from limited water supplies. *Trans. ASABE*. 56(5):1-10.
63. Blanco, H., **J. Holman**, A. Schlegel, and J. Tatarko. 2013. Replacing fallow with cover crops in a semiarid soil: effects on soil properties. Online. *Soil Sci. Soc. Am. J.* 77:1026–1034. doi:10.2136/sssaj2013.01.0006
64. Stamm, M., A. Berrada, J. Buck, P. Cabot, M. Claassen, G. Cramer, S.J. Dooley, C. Godsey, W. Heer, **J. Holman**, J. Johnson, R. Kochenower, J. Krall, D. Ladd, J. Moore, M.K. O’Neill, C. Pearson, D. V. Phillips, C. L. Rife, D. Santra, R. Sidwell, J. Sij, D. Starner, and W. Wiebold. 2012. Registration of Riley Winter Canola. *Journal of Plant Registrations*. 6(3):243-245.
65. **Holman, J.D.**, C. Hunt, and D. Thill. 2011. Effect of harvest processes on the nutritive value of Kentucky bluegrass residue from seed harvest. Online. *Forage and Grazinglands* doi:10.1094/FG-2011-1228-01-RS.
66. **Holman, J.D.**, A.J. Schlegel, C.R. Thompson, and J.E. Lingenfelter. 2011. Influence of precipitation, temperature, and 56 years on winter wheat yields in western Kansas. Online. *Crop Management* doi:10.1094/CM-2011-1229-01-RS.
67. M. Joy M. Abit, K. Al-Khatib, B.L. Olson, P.W. Stahlman, P.W. Geier, C.R. Thompson, R.S. Currie, A.J. Schlegel, **J.D. Holman**, K.A. Hudson, D.E. Shoup, M.J. Moechnig, W.J. Grichar, B.W. Bean. 2011. Efficacy of postemergence herbicides tankmixes in Aryloxyphenoxypropionate-resistant grain sorghum. *Crop Protection*. 30(1):1623-1628.
68. **Holman, J.**, A. Schlegel, B. Olson, S. Maxwell, and K. Martin. 2011. Volunteer glyphosate-tolerant corn reduces soil water storage and winter wheat yields. Online. *Crop Management* doi:10.1094/CM-2011-0629-01-RS.
69. **Holman, J.**, S. Maxwell, M. Stamm, and K. Martin. 2011. Effects of planting date and tillage on winter canola. Online. *Crop Management* doi:10.1094/CM-2011-0324-01-RS.
70. **Holman, J. D.**, J. L. Moyer, S. R. Maxwell, and K. L. Martin. 2011. Switchgrass cultivar establishment, iron chlorosis, and biomass yield in southwest and southeast Kansas. Online. *Forage and Grazinglands* doi:10.1094/FG-2011-0126-02-RS.
71. **Holman, J.**, C. Thompson, R. Hale, and A. Schlegel. 2010. Forage yield and nutritive value of hard red and hard white winter wheat. *Agron. J.* 102(2):759-773.
72. **Holman, J.**, C. Thompson, R. Hale, and A. Schlegel. 2009. Grazing effects on yield and quality of hard red and hard white winter wheat. *Agron. J.* 101(4):775–788.
73. **Holman, J.**, C. Hunt, and D. Thill. 2007. Structural composition, growth stage, and cultivar effects on Kentucky bluegrass forage yield and nutrient composition. *Agron. J.* 99(1):195-202.



74. **Holman, J.**, C. Hunt, J. Johnson-Maynard, L. Van Tassell, and D. Thill. 2007. Livestock use as a non-thermal residue management practice in Kentucky bluegrass seed production systems. *Agron. J.* 99(1):203-210.
75. **Holman, J.**, A. Bussan, P. Miller, and B. Maxwell. 2006. Spring wheat, canola, and sunflower effects on Persian darnel (*Lolium persicum*) fecundity. *Weed Tech.* 20(2):430-437.
76. **Holman, J.**, A. Bussan, P. Miller, and B. Maxwell. 2004. Spring wheat, canola, and sunflower response to Persian darnel (*Lolium persicum*) interference. *Weed Tech.* 18(3):509-520.

**Book Chapters (1 for the period 2004-2023)**

1. Rogers, D.H., A.J. Schlegel, **J.D. Holman**, J.P. Aguilar, and I. Kisekka. 2016. Irrigation of grain sorghum. In: I. Ciampitti, V. Prasad, editors, *Sorghum: A State of the Art and Future Perspectives*, Agron. Monogr. 58. ASA and CSSA, Madison, WI. doi:10.2134/agronmonogr58.2014.0072

**Proceedings and Abstracts (143 for the period 2001-2023)**

1. Dhanda, S., V. Kumar, A. Dille, A. Obour, E. Yeager, and **J. Holman**. 2024. Replacing fallow with cover crops for weed suppression in semiarid Central Great Plains. WSSA. San Antonio, TX.
2. Dhanda, S., V. Kumar, A. Dille, A. Obour, E. Yeager, and **J. Holman**. 2024. Impact of growing cover crops on weed suppression, crop yields, and profitability in semiarid Great Plains. WSSA. San Antonio, TX.
3. **Holman, J.**, N. Detter, A. Obour, L. Haag, and K. Roozeboom. 2024. Summer annual legumes: yield potential and water use. Great Plains Soil Fertility Conference. Lubbock, TX.
4. **Holman, J.**, N. Detter, A. Obour, and Perpetual Tamea. 2024. Effect of Seeding Rate on Annual Warm Season Forage Yield and Plant Structure. Great Plains Soil Fertility Conference. Lubbock, TX.
5. Simon, L. A. Obour, **J. Holman**, S. Johnson, and K. Roozeboom. 2024. Dual-purpose cover crop and occasional tillage effects on crop yields and soil properties in a no-tillage wheat-sorghum-fallow rotation. Great Plains Soil Fertility Conference. Lubbock, TX.
6. Cason, Z., A. Obour, **J. Holman**, and K. Roozeboom. 2024. Crop production and soil property impacts of integrating annual forages and ruminant livestock into wheat-based cropping systems. Great Plains Soil Fertility Conference. Lubbock, TX.
7. Obour, A., **J. Holman**, L. Simon, and Y. Assefa. 2024. Soil properties and winter wheat nutrient uptake as affected by long-term tillage and nitrogen fertilization. Great Plains Soil Fertility Conference. Lubbock, TX.

8. **Holman, J.** and A. Obour. 2023. Opportunities and Challenges of Growing Cover Crops in the Semi-arid Great Plains. WSSA Annual Meeting. Arlington, VA.
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