

CURRICULUM VITAE

Name: Dr. John 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

- 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 rd 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 nd 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:

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 (55 since 2004)

1. Obour, A., **J. Holman**, and Y. Assefa. 2022. Single and multi-species dual-purpose cover crop productivity, nutritive value, and profitability. *Agrosystems, Geosciences & Environment*
2. Obour, A., **J. Holman**, Y. Assefa. 2022. Grain sorghum productivity as affected by nitrogen rates and available soil water. *Crop Sci.*
3. Obour, A., L. Simon, **J. Holman**, and K. Roozeboom. 2022. Long-term cover crop management effects on soil properties in dryland cropping systems. *Agriculture, Ecosystems and Environment*. Ref.: Ms. No. AGEE30537R1
4. 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*.
5. **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*. <https://doi.org/10.1002/csc2.20670>
6. Simon, L., A. Obour, **J. Holman**, S. Johnson, K. Roozeboom. 2021. Forage Productivity and Soil Properties in Dual-Purpose Cover Crops Systems. *Agr. Journal*. 1-15. <https://doi.org/10.1002/agj2.20877>
7. 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*. <https://doi.org/10.1002/agj2.20855>
8. 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>

9. **Holman, J.**, A. Obour, Y. Assefa. 2021. Rotation and tillage effects on forage cropping systems productivity and resource use efficiency. *Crop Sci.*
<https://doi.org/10.1002/csc2.20565>
10. **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>
11. A. K Obour, **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>
12. 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>
13. **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>
14. 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>
15. **Holman, JD**, A. Obour, and Y. Assefa. 2020. Cover-crop water use and productivity in the High Plains wheat-fallow crop rotation. *Crop Science.* 1-12.
<https://doi.org/10.1002/csc2.20365>
16. **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>
17. **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>
18. 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>
19. 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>
20. 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

21. **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)
22. 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
23. 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: Cultivars*.
24. 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.
25. 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.
26. **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
27. 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
28. 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.
29. 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
30. 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
31. 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
32. **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
33. 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.

34. 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
35. 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
36. 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
37. 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
38. 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.
39. 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
40. 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
41. 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.
42. 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
43. 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.
44. **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.
45. **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.

46. 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.
47. **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.
48. **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.
49. **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.
50. **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.
51. **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.
52. **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.
53. **Holman, J.**, C. Hunt, J. Johnson-Maynard, L. Van Tassel, 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.
54. **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.
55. **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 since 2006)

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 (117 since 2001)

1. Dhanda, S., V. Kumar, A. Dille, A. Obour, and **J. Holman**. 2022. Integrating Fall-Planted Cover Crops for Weed Suppression in the Semi-arid Central Great Plains, *Western Society of weed Science*.

2. **Holman, J.** and A. Obour. 2022. Annual forage rotations with limited water. AFGC Conference. Jan 9-12, 2022. Wichita, KS.
3. Obour, A. and **J. Holman**. 2022. Cover crops as forages in the western Great Plains. AFGC Conference. Jan 9-12, 2022. Wichita, KS.
4. Mauler, P., **J. Holman**, and A. Obour. 2022. Forage productivity, weed density, and soil properties affected by grazing and tillage of annual forages. AFGC Conference. Jan 9-12, 2022. Wichita, KS.
5. Simon, L., A. Obour, and **J. Holman**. 2022. Post-wheat summer cover crop effects on crop yields in soil properties in a no-till dryland cropping system. AFGC Conference. Jan 9-12, 2022. Wichita, KS.
6. Johnson, S. and **J. Holman**. 2021. Fertility affects in yearling beef heifers grazing triticale before artificial insemination. *Journal of Animal Science*, Volume 99, Issue Supplement 3, November 2021, Pages 420–421, <https://doi.org/10.1093/jas/skab235.754>
7. Simon, L., A. Obour, and **J. Holman**. 2021. Post-wheat summer cover crop effects crop yields and soil properties in a no-till dryland cropping system. ASA-CSSA-SSSA International Annual Meeting, Nov. 7-10, 2021. Virtual meeting. In ASA-CSSA-SSSA Abstracts 2021 [CD-ROM]. ASA, CSSA, and SSSA, Madison, WI.
8. Obour, A., L. Simon, and **J. Holman**. 2021. Effects of grazing cover crops on soil properties in no-till rain-fed cropping systems in west central Kansas. ASA-CSSA-SSSA International Annual Meeting, Nov. 7-10, 2021. Virtual meeting. In ASA-CSSA-SSSA Abstracts 2021 [CD-ROM]. ASA, CSSA, and SSSA, Madison, WI.
9. Mauler, P., **J. Holman**, and A. Obour. 2021. Forage productivity, weed density, and soil properties affected by grazing and tillage of annual forages. ASA-CSSA-SSSA International Annual Meeting, Nov. 7-10, 2021. Virtual meeting. In ASA-CSSA-SSSA Abstracts 2021 [CD-ROM]. ASA, CSSA, and SSSA, Madison, WI.
10. **Holman, J.** 2021. Occasional tillage impacts on crop yields and economics in wheat-sorghum-fallow. ASA-CSSA-SSSA International Annual Meeting, Nov. 7-10, 2021. Virtual meeting. In ASA-CSSA-SSSA Abstracts 2021 [CD-ROM]. ASA, CSSA, and SSSA, Madison, WI.
11. Ryan, L., L. Haag, **J. Holman**, and R. Lollato. 2021. Increasing winter wheat grain yield by replicating the management adopted in high-yielding commercial fields. ASA-CSSA-SSSA International Annual Meeting, Nov. 7-10, 2021. Virtual meeting. In ASA-CSSA-SSSA Abstracts 2021 [CD-ROM]. ASA, CSSA, and SSSA, Madison, WI.
12. Simon, L., A. Obour, and **J. Holman**. 2020. Dual-purpose cover crops for soil health and forage production in the semiarid Central Great Plains. ASA-CSSA-SSSA International Annual Meeting, Nov. 11-14, 2020. Virtual meeting. In ASA-CSSA-SSSA Abstracts 2020 [CD-ROM]. ASA, CSSA, and SSSA, Madison, WI
13. Obour, A., **J. Holman**, and L. Simon. 2020. Dual use of cover crops for forage and soil health in dryland systems. ASA-CSSA-SSSA International Annual Meeting, Nov. 11-14,

2020. Virtual meeting. In ASA-CSSA-SSSA Abstracts 2020 [CD-ROM]. ASA, CSSA, and SSSA, Madison, WI
14. **Holman, J.**, A. Obour, A. Schlegel, and L. Simon. 2020. Long-term forage rotation yields, soil water use, and profitability. Proceedings of the Great Plains Soil Fertility Conference. Vol. 18, p.158-164.
 15. Obour, A., **J. Holman**, L. Simon, and A. Schlegel. 2020. Strategic tillage effects on crop yield and soil properties and dryland crop rotations. Proceedings of the Great Plains Soil Fertility Conference. Vol. 18, p.106-111.
 16. Mikha, M., **J. Holman**, and A. Obour. 2020. Tillage and nitrogen rates influenced wheat and sorghum productivity. Proceedings of the Great Plains Soil Fertility Conference. Vol. 18, p.253-258.
 17. Simon, L., A. Obour, **J. Holman**, and K. Roozeboom. 2020. Long-term cover crop effects on soil organic carbon, nitrogen stocks, and water stable aggregates in the semiarid Central Great Plains. Proceedings of the Great Plains Soil Fertility Conference. Vol. 18, p.203-207.
 18. Simon, L., A. Obour, and **J. Holman**. 2019. Long-term cover crop effects on soil organic carbon, nitrogen stocks, and water stable aggregates in the semiarid Central Great Plains. ASA-CSSA-SSSA International Annual Meeting, Nov. 11-14, 2019. San Antonio, TX. In ASA-CSSA-SSSA Abstracts 2019 [CD-ROM]. ASA, CSSA, and SSSA, Madison, WI
 19. Obour, A., **J. Holman**, and A. Schlegel. 2019. Strategic tillage effects on crop yield and soil properties in dryland no-tillage systems. ASA-CSSA-SSSA International Annual Meeting, Nov. 11-14, 2019. San Antonio, TX. In ASA-CSSA-SSSA Abstracts 2019 [CD-ROM]. ASA, CSSA, and SSSA, Madison, WI
 20. **Holman, J.**, and A. Obour. 2019. Cover crop use in a semi-arid wheat-sorghum-fallow cropping system. ASA-CSSA-SSSA International Annual Meeting, Nov. 11-14, 2019. San Antonio, TX. In ASA-CSSA-SSSA Abstracts 2019 [CD-ROM]. ASA, CSSA, and SSSA, Madison, WI.
 21. Kelly, C., M. Schipanski, A. Moore, N. Dalsted, L. Haag, W. Trujillo, **J. Holman**, and S. Fonte. 2019. The benefits and costs of grazing cover crops in dryland semi-arid cropping systems. ASA-CSSA-SSSA International Annual Meeting, Nov. 11-14, 2019. San Antonio, TX. In ASA-CSSA-SSSA Abstracts 2019 [CD-ROM]. ASA, CSSA, and SSSA, Madison, WI.
 22. Marte De Jesus, Dariam, A. Obour, L. Slaughter, V. Acosta-Martinez, **J. Holman**, and M. Vandever. 2019. Soil microbial community response to long-term cover crop use in dryland systems of the central Great Plains. ASA-CSSA-SSSA International Annual Meeting, Nov. 11-14, 2019. San Antonio, TX. In ASA-CSSA-SSSA Abstracts 2019 [CD-ROM]. ASA, CSSA, and SSSA, Madison, WI.
 23. Kelly, C., M. Schipanski, A. Moore, L. Haag, W. Trujillo, **J. Holman**, and S. Fonte. 2018. Cover crop research. ASA-CSSA-SSSA International Annual Meeting, Nov. 10-13, 2018.

San Antonio, TX. In ASA-CSSA-SSSA Abstracts 2018 [CD-ROM]. ASA, CSSA, and SSSA, Madison, WI.

24. Obour, A., **J. Holman**, J. Dille, and V. Kumar. 2018. Forage production and weed suppression potential of cover crops in semiarid central Great Plains. ASA-CSSA-SSSA International Annual Meeting, Nov. 4-7, 2018. Baltimore, MD. In ASA-CSSA-SSSA Abstracts 2018 [CD-ROM]. ASA, CSSA, and SSSA, Madison, WI.
25. **Holman, J.**, A. Obour, A. Schlegel, T. Roberts, and S. Maxwell. 2018. Developing profitable annual forage rotations for the semi-arid High Plains. ASA-CSSA-SSSA International Annual Meeting, Nov. 4-7, 2018. Baltimore, MD. In ASA-CSSA-SSSA Abstracts 2018 [CD-ROM]. ASA, CSSA, and SSSA, Madison, WI.
26. **Holman, J.**, A. Obour, A. Schlegel, S. Maxwell, and T. Roberts. 2018. Determining profitable forage rotations. Proceedings of the Great Plains Soil Fertility Conference. Vol. 17, p.228-234.
27. Obour, A., **J. Holman**, and A. Schlegel. 2018. Strategic tillage to improve crop yields and profitability in dryland no-tillage cropping systems. Proceedings of the Great Plains Soil Fertility Conference. Vol. 17, p.188-191.
28. Kelly, C., M. Schipanski, A. Moore, W. Trujillo, S. Fonte, and **J. Holman**. 2018. Are cover crop benefits to soil quality achieved under grazed management in dryland wheat systems. Proceedings of the Great Plains Soil Fertility Conference. Vol. 17, p.221.
29. Obour, A.K., and **J.D Holman**. 2018. Forage production potential of cover crops in the USA semiarid Great Plains. 3rd International Conference on Drylands, Sept.24-28, 2018, Kano, Nigeria. Abstract #
30. Schipanski, M. K. Caswell, C. Kelly, A. Moore, J. Brummer, S. Fonte, L. Haag, S. Johnson, **J. Holman**, R. Meyer, A. Obour, W. Trujillo, S. Ward. 2018. Evaluating grazed crop crops for soil health and profitability in dryland cropping systems of the semi-arid High Plains. Soil and Water Conservation Society, Albuquerque, NM, July 29-31, 2018.
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