

Clark B. Neely

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Extension Agronomist and Cereal Variety Testing Lead
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EDUCATION

Texas A&M University – Ph.D. in Agronomy	2013
University of Idaho – M.S. in Plant Science	2010
The Pennsylvania State University – B.S. in Agriculture Extension and Education; Minors in Agronomy and Animal Science	2007

EXPERIENCE

Associate Professor and Extension Agronomist, Washington State University, Pullman, WA	2022 – present
Assistant Professor and Extension Agronomist, Washington State University, Pullman, WA	2019 – 2022
Assistant Professor and Statewide Small Grains and Cool-Season Oilseed Extension Specialist, Texas A&M AgriLife Extension, College Station, TX	2013 – 2019
Graduate Research Assistant, Texas A&M University, College Station, TX	2010 – 2013
Graduate Research and Teaching Assistant, University of Idaho, Moscow, ID	2007 – 2010
Student Agriculture Educator, Athens Area High School, Athens, PA	2007 (spring)

REFEREED PUBLICATIONS

(1) Developed the initial idea, 2) Obtained or provided funds or other resources, 3) Collected data, 4) Analyzed data, 5) Wrote/created product, 6) Edited product; [†] = graduate student; [‡] = from TAMU research)

Washington State University (n=11)

- 24.)[‡]Victoria, M. et al. Producers as Soil Health Managers: Using the Diffusion of Innovation to Explore the Adoption of Soil Health Management Practices Among Wheat Producers in the Southeastern United States. *J. Agric. Food Information. Submitted. (1,2)*
- 23.)[‡]Salmeron, M., F. Bourland, N. Buehring, L. Earnest, F.B. Fritsch, E. Gbur, B.R. Golden, D. Hathcoat, J. Lofton, A.T. McClure, T.D. Miller, C. Neely, G. Shannon, T. Udeigwe, E.D. Vories, W.J. Wiebold and L.C. Purcell . 2022. Regional analysis of planting date and cultivar maturity recommendations that improve soybean oil yield and meal protein concentration. *Frontiers in Plant Science. Accepted. (2,3,6)*
- 22.)[‡]Bekewe, P. [†], J. Foster, C. Neely, H. Neely, K. Lewis, L. Tomlin, R. Schnell, A. Smith, T. Boutton, and B. Gerrish. 2022. Cropping System Diversity and Tillage Intensity Affects Wheat Productivity in Texas. *Agron. J. Accepted. (1,2,3,4,6)*
- 21.) Garland-Campbell, K.A, B. Bellinger, A.H. Carter, X. Chen, P.L. DeMacon, D.A. Engle, C. Hagerty, A. Kiszonas, E.F. Klarquist, T. Murray, C. Morris, C. Neely, S. Odubiyi, A. Rashed, D. See, C.M. Steber, and N. Wen. 2022. Registration of ‘Cameo’ Soft White Winter Club Wheat. *J. Plant Regist. <http://doi.org/10.1002/plr2.20234>. (3, 6)*

- 20.)[‡]Simoneaux, B.[†], **C. Neely**, A.M.H. Ibrahim, N. Rajan, and S. Popescu. 2022. Comparing Mechanical Harvest with Alternative Ground Based Methods for Estimating Forage Yields in Cool Season Annual Grasses. *Agrosyst. Geosci Environ.* <http://doi.org/10.1002/agg2.20250>. (1, 2, 3, 4, 6)
- 19.)[‡]Gerrish, B.J.[†], **C.B. Neely**, A.M.H. Ibrahim, and A. Knutson. 2021. Evaluation of Barley (*Hordeum vulgare*) and Wheat (*Triticum aestivum* L.) for Resistance to Hessian Fly (*Mayetiola destructor*) in a Controlled Environment. *Southwestern Entomologist J.* 46:825-832. <https://doi.org/10.3958/059.046.0403>. (1, 2, 3, 4, 6)
- 18.)[‡]Ibrahim, A.M.H., R. Sutton, J.W. Johnson, M. Mergoum, B. Simoneaux, S.A. Harrison, J.P. Murphy, R.E. Mason, M.A. Babar, **C. Neely**, G. Opeña, Y. Jin, J. Kolmer, R. Boyles, S.E. Cambron, B. Baik, G.L. Brown-Guedira, D. Marshall, and M.O. Fountain. 2021. Registration of ‘GA 06343-13E2 (TX-EL2)’ Soft Red Winter Wheat. *J. Plant Regist.* 15:107-112. <https://doi.org/10.1002/plr2.20031>. (2, 3)
- 17.)[‡]Sapkota, B., V. Singh, **C. Neely**, N. Rajan, and M. Bagavathiannan. 2020. Detection of Italian Ryegrass in Wheat and Prediction of Competitive Interactions Using Remote-Sensing and Machine-Learning Techniques. *Remote Sens.* 12:2977. <https://doi.org/10.3390/rs12182977>. (6)
- 16.)[‡]Aiosa, M.[†], **C. Neely**, C. Morgan, R. Jessup, V. Corriher-Olsen, A. Somenahally, K. Norman, G.R. Smith, and F.M. Rouquette, Jr. 2020. Cowpeas as a Summer Cover Crop for Forage Rye. *Agrosyst. Geosci Environ.* 3:e20057. <http://doi:10.1002/agg2.20057>. (6)
- 15.)[‡]Smith, G.R., M.L. Aiosa[†], V. Corriher-Olsen, T.R. Faske, **C.B. Neely**, A. Somenahally, and F.M. Rouquette, Jr. 2020. Evaluation of Cowpea Germplasm for Biomass Production, Seed Yield and Southern Root-Knot Nematode Resistance. *Crop, Forage Turfgrass Man.* 6:e20040. <http://doi:10.1002/cft2.20040>. (6)
- 14.)[‡]Wynne, K.[†], **C.B. Neely**, C. Adams, E. Kimura, P.B. DeLaune, D. Hathcoat and B. Gerrish. 2020. Testing row spacing and planting rate for fall-planted spring canola in the southern U.S. *Agron. J.* 112:1952-1962. <https://doi.org/10.1002/agi2.20201>. (1, 2, 3, 4, 5, 6)

Texas A&M AgriLife Extension (n=13)

- 13.) Gerrish, B.[†], **C.B. Neely**, A.M.H. Ibrahim, and A. Knutson. 2019. Evaluation of Winter Barley Lines for Resistance to the Hessian Fly, 2017. *Arthropod Managem. Tests.* 44:tsz070. <http://doi.org/10.1093/amt/tsz070>. (1, 2, 3, 4, 5, 6)
- 12.) Peng, B., X. Liu, X. Dong, Q. Xue, **C.B. Neely**, T. Marek, A.M.H. Ibrahim, G. Zhang, D.I. Leskovar, and J.C. Rudd. 2019. Root morphological traits of winter wheat under contrasting environments. *J. Agron. Crop Sci.* 00:1-15. <http://doi:10.1111/jac.12360>. (2, 3, 6)
- 11.) Rudd, J.C., R.N. Devkota, A.M. Ibrahim, J.A. Baker, S. Baker, R. Sutton, B. Simoneaux, G. Opeña, D. Hathcoat, J.M. Awika, L.R. Nelson, S. Liu, Q. Xue, B. Bean, **C.B. Neely**, R.W. Duncan, B.W. Seabourn, R.L. Bowden, Y. Jin, M. Chen, and R.A. Graybosch. 2019. ‘TAM 204’ Wheat, Adapted to Grazing, Grain, and Graze-out Production Systems in the Southern High Plains. *J. Plant Registr.* 13:377-382. doi:10.3198/jpr2018.12.0080crc. (2, 3)
- 10.) Gerrish, B.J., A.M.H. Ibrahim, J.C. Rudd, **C. Neely**, and N.K. Subramanian. 2019. Identifying mega-environments for hard red winter wheat (*Triticum aestivum* L.) production in Texas. *Euphytica.* 215:129. <https://doi.org/10.1007/s10681-019-2448-8>. (2, 3, 6)
- 9.) Wynne, K.[†], C. Adams, **C. Neely**, P. DeLaune, E. Kimura, and S. Thapa. 2019. Canola Emergence and Early Growth Were Not Affected by Allelopathic Properties of Wheat Residue. *Agrosyst. Geosci. Environ.* 2:180058. doi:10.2134/age2018.11.0058. (2, 3, 5, 6)
Featured article in CSA News Magazine.
- 8.) Liu, X., S.J. Feakins, X. Dong, Q. Xue, J. Han, T. Marek, D.I. Leskovar, **C.B. Neely**, and A.M.H. Ibrahim. 2019. Evaluating leaf wax and bulk leaf carbon isotope surrogates for water use efficiency and grain yield in winter wheat. *Crop Sci.* 59:1-15. doi: 10.2135/cropsci2018.07.0452. (2, 3, 6)

- 7.) **Neely, C.B.**, F.M. Rouquette Jr., C.L.S. Morgan, G.R. Smith, F.M. Hons and W.L. Rooney. 2018. Integrating legumes as cover crops and intercrops into grain sorghum production systems. *Agron. J.* 110:1-16. doi:10.2134/agronj2017.05.0293. **(3, 4, 5, 6)**
- 6.) Isakeit, T., B. Commer, B. D. Shaw, M. Brown and **C. Neely**. 2017. First Report of Leaf Spot of Barley Caused by *Drechslera gigantea* in the United States. *Plant Disease*. 8:1548. doi.org/10.1094/PDIS-03-17-0406-PDN. **(2, 6)**
- 5.) Liu, X., S. Feakins, X. Dong, Q. Xue, T. Marek, D. Leskovar, **C. Neely**, and A. Ibrahim. 2017. Experimental study of leaf wax n-alkane response in winter wheat cultivars to drought conditions. *Organic Geochemistry*. 113:210-223. doi.org/10.1016/j.orggeochem.2017.07.020. **(2, 6)**
- 4.) Weeks, W., M.P. Popp, M. Salmerón, L.C. Purcell, E.E. Gbur, F.M. Bourland, N.W. Buehring, L. Earnest, F.B. Fritschi, B.R. Golden, D. Hathcoat, J. Lofton, A.T. McClure, T.D. Miller, **C. Neely**, G. Shannon, T.K. Udeigwe, D.A. Verbree, E.D. Vories, W.J. Wiebold, and B.L. Dixon. 2016. Diversifying Soybean Production Risk Using Maturity Group and Planting Date Choices. *Agron. J.* 108:1917-1929. doi:10.2134/agronj2016.01.0056. **(3, 6)**
- 3.) Salmerón, M., E.E. Gbur, F.M. Bourland, N.W. Buehring, L. Earnest, F.B. Fritschi, B.R. Golden, D. Hathcoat, J. Lofton, A.T. McClure, T.D. Miller, **C. Neely**, G. Shannon, T.K. Udeigwe, D.A. Verbree, E.D. Vories, W.J. Wiebold, and C. Purcell. 2016. Yield response to planting date among soybean maturity groups for irrigated production in the US Midsouth. *Crop Sci.* 56:747-759. doi: 10.2135/cropsci2015.07.0466. **(3, 6)**
- 2.) **Neely, C.B.**, C. Walsh, J.B. Davis, C. Hunt, and J. Brown. 2015. Investigation of early-planted winter canola (*Brassica napus* L.) as a dual-purpose crop for silage and seed production. *Agron. J.* 107:1905-1914. doi: 10.2134/agronj14.0547. **(3, 4, 5, 6)**
- 1.) Salmerón, M., E.E. Gbur, F.M. Bourland, N.W. Buehring, L. Earnest, F.B. Fritschi, B.R. Golden, D. Hathcoat, J. Lofton, T.D. Miller, **C. Neely**, G. Shannon, T.K. Udeigwe, D.A. Verbree, E.D. Vories, W.J. Wienbold, and L.C. Purcell. 2014. Soybean maturity group choices for early and late plantings in the midsouth. *Agron. J.* 106:1893-1901. doi:10.2134/agronj14.0222. **(3, 6)**

SCIENTIFIC ABSTRACTS

(* = speaker, † = graduate student, § = undergraduate student, ‡ = from TAMU research)

Washington State University (n=19)

- 79.)[‡]Orem, M., H. Leggette, M. Victoria, J.L. Foster, M. Welch, **C. Neely**, H. Neely, K. Lewis, J. Lofton, & M.R. Parvej. Cultivating conversation: A pilot study using Q methodology to understand information needs of U.S. wheat industry professionals. *In proc.* 77th Soil and Water Conservation Society International Annual Conference. July 31-August 3, 2022. Denver, CO.
- 78.)[‡]Guillen-Portal, F.*, **C. Neely**, B. Gerrish, and R. Garetson. Improved Agronomics for Better Malt Barley Production in Texas. *In proc.* ASA-CSSA-SSSA International Annual Meeting. November 10, 2021. Salt Lake City, UT.
- 77.) Frisbee, N. [†]* Shifting the Washington Wheat Breeding Paradigm to Encompass the Soil Microbiome. *In proc.* ASA-CSSA-SSSA International Annual Meeting. November 10, 2021. Salt Lake City, UT.
- 76.)[‡]Bodine, G.*, A. Gyawali, H. Neely, J. Pintar, J. Foster, P. Bekewe[†], **C. Neely**, K. Lewis, and A.P. Smith. Investigating the Effect of Tillage, Cover-, and Double-Cropping on Wet Aggregate Stability in Texas Wheat Systems. *In proc.* ASA-CSSA-SSSA International Annual Meeting. November 8, 2021. Salt Lake City, UT.

- 75.)[‡]Foster, J.L.*[†], P.E. Bekewe[†], H.L. Neely, **C.B. Neely**, L.E. Tomlin[†], A.P. Smith, A. Gyawali, and K.L. Lewis. 2021. Integrating Conservation Tillage and Summer Cropping into Wheat Production Systems. Soil Water Conservation Society Meeting. July 2021. Virtual.
- 74.) Frisbee, N. ^{†*} Impact of Wheat Variety and Environment on Microbial Siderophore Production in Washington. *In proc.* SoilCon: Washington Soil Health Week. February 9, 2021. Virtual.
- 73.)[‡]Hinson, P.*[†], C. Adams, Q. Xue, S. Thapa, X. Dong, G. Feng, F. Guillen-Portal, and **C. Neely**. 2021. Identifying In-Season Phenotypic Predictors of Elevated Grain Protein Concentration in Wheat. *In proc.* Southern ASA-CSSA-SSSA Regional Meeting. February 3, 2021. Virtual.
- 72.)[‡]Bekewe, P.E.^{†*}, H.L. Neely, **C. Neely**, J. Foster, K. Lewis, T. Boutton, B. Gerrish, and A.J. Gyawali. 2020. Comparing Soil Health Parameters in No-till and Conventional Tillage Farms across Three Ecoregions in Texas. *In proc.* ASA-CSSA-SSSA International Annual Meeting. November 11, 2020. Virtual.
- 71.)[‡]Gyawali, A.J.*[†], A.P. Smith, H.L. Neely, R. Ghimire, J. Pintar, **C. Neely**, K. Lewis, and J. Foster. 2020. Assessing Soil Health in South Central United States. *In proc.* ASA-CSSA-SSSA International Annual Meeting. November 11, 2020. Virtual.
- 70.) Frisbee, N.^{†*}, **C. Neely**, T. Sullivan, K. Murphy, and K. Garland-Campbell. 2020. Microbial siderophore production varies by wheat variety and location. *In proc.* ASA-CSSA-SSSA International Annual Meeting. November 11, 2020. Virtual.
- 69.)[‡]Hinson, P.*[†], C. Adams, Q. Xue, S. Thapa, X. Dong, G. Feng, **C. Neely**, and F. Guillen-Portal. 2020. Identifying Wheat Traits Associated with Elevated Grain Protein Concentration in the Southern Great Plains. *In proc.* ASA-CSSA-SSSA International Annual Meeting. November 11, 2020. Virtual.
- 68.)[‡]Pintar, J.*[§], A.P. Smith, A.J. Gyawali, H.L. Neely, P.E. Bekewe[†], J. Foster, **C. Neely**, and K.L. Lewis. 2020. Developing Sampling Strategies for Monitoring Microbial Exoenzyme Activity for Soil Health. *In proc.* ASA-CSSA-SSSA International Annual Meeting. November 11, 2020. Virtual.
- 67.)[‡]Victoria, M.*[†], H.R. Leggette, J.L. Foster, H.L. Neely, **C.B. Neely**, K. Lewis, P. Bekewe, B.[†] Gerrish, and J. Parrella. 2020. Minding the Microbes: The Adoption of Soil Health Management Techniques by Oklahoma Wheat Producers. *In proc.* Soil and Water Conservation Society Conference. July 27, 2020. Virtual.
- 66.)[‡]Foster, J.*[†], P. Bekewe[†], H. Neely, **C. Neely**, L. Tomlin, and K. Lewis. 2020. Wheat Double Cropping Systems to Improve Soil Health. *In proc.* Soil and Water Conservation Society Conference. July 27, 2020. Virtual.
- 65.)[‡]Bekewe, P.E.^{†*}, H.L. Neely, **C.B. Neely**, L.E. Tomlin, J.L. Foster, K.L. Lewis, T.W. Boutton, and B. Gerrish. 2019. Towards Improving Soil Health in Wheat Cropping Systems in Texas. *In proc.* 31st Annual Texas Plant Protection Conference. December 10, 2019. Bryan, TX.
- 64.)[‡]Bekewe, P.E.^{†*}, H.L. Neely, **C.B. Neely**, L.E. Tomlin, J.L. Foster, K.L. Lewis, and T.W. Boutton. 2019. Can Double Cropping Provide Similar Soil Health Benefits As Cover Cropping in Texas? *In proc.* ASA-CSSA-SSSA International Meetings. November 11, 2019. San Antonio, TX.
- 63.)[‡]Bekewe, P.E.^{†*}, H.L. Neely, **C.B. Neely**, L.E. Tomlin, J.L. Foster, K.L. Lewis, and T.W. Boutton. 2019. The Impact of Reduced Tillage and Double Cropping on Soil Moisture Dynamics. *In proc.* ASA-CSSA-SSSA International Meetings. November 12, 2019. San Antonio, TX.

- 62.)[‡]Stufflebeam, A.*[§], H.L. Neely, P.E. Bekewe[†], K.L. Lewis, J.L. Foster, and **C.B. Neely**. 2019. Comparing the Impact of Short-Term Soil Health Practices on Aggregate Stability across Texas. *In proc.* ASA-CSSA-SSSA International Meetings. November 11, 2019. San Antonio, TX.
- 61.)[‡]Pintar, J.R.*[§], A.P. Smith, H.L. Neely, **C.B. Neely**, J.L. Foster, K.L. Lewis, P.E. Bekewe[†], A. Joshi Gyawali, and J. Desrochers. 2019. Developing Spatial Sampling Strategies for Monitoring Microbial Activity for Soil Health. *In proc.* ASA-CSSA-SSSA International Meetings. November 12, 2019. San Antonio, TX.
- 60.)[‡]Bekewe, P.E.^{†*}, H.L. Neely, **C.B. Neely**, J.L. Foster, K.L. Lewis, B. Gerrish, and T.W. Boutton. 2019. The Impact of Double Cropping and Tillage Systems on Cropping Systems Productivity in Three Ecoregions in Texas. *In proc.* Texas Small Grains Workers Meeting. August 28, 2019. College Station, TX.

Texas A&M AgriLife Extension (n=59)

- 59.)**Neely, C.B.***, E. Kimura, K. Lewis, J. Mowrer, D. Coker, D. Hathcoat, B. Gerrish, and R. Sutton. 2019. Re-evaluating Nitrogen Recommendations for Wheat Production in the Southern Great Plains. 1st International Wheat Congress. July 21-26, 2019. Saskatoon, Can.
- 58.)Neely, H.L.*[§], P. Bekewe[†], L. Tomlin[†], **C. Neely**, K. Lewis, and J. Foster. 2019. Soil Health Indicators in Short-term Research Trials in Texas. NCSS National Conference. June 10-13, 2019. Narragansett, RI.
- 57.)Bekewe, P.E.^{†*}, H.L. Neely, **C.B. Neely**, J.L. Foster, K.L. Lewis, and T.W. Boutton. 2019. The Impact of Double Cropping and Tillage Systems on Soil Health in Wheat Cropping Systems in Three Ecoregions in Texas. *In proc.* Soil Survey and Land Resource Workshop. February 7, 2019. College Station, TX.
- 56.)Bekewe, P.E.^{†*}, H.L. Neely, **C.B. Neely**, J.L. Foster-Malone, K.L. Lewis, and L. Tomlin[†]. 2019. Towards Improving Soil Health in Wheat Cropping Systems in Texas. *In proc.* SSSA Annual Conference. January 8, 2019. San Diego, CA.
- 55.)Wynne, K.[†], S.B. Thapa, **C.B. Neely**, P.B. DeLaune, E. Kimura, and C. Adams*. 2018. Residual Chemical Effects of Wheat Chaff on Germination and Early Growth of Canola. *In proc.* ASA-CSSA Annual Conference. November 5, 2018. Baltimore, MD.
- 54.)Wynne, K.[†], **C.B. Neely***, C. Adams, P.B. DeLaune and E. Kimura. 2018. Optimizing Seeding Rate and Row Spacing for Fall-Planted Spring Canola in Central Texas. *In proc.* ASA-CSSA Annual Conference. November 5, 2018. Baltimore, MD.
- 53.)Kaur, G.*[§], J.M. Orlowski, B.R. Golden, D.B. Reynolds, W.J. Ross, **C.B. Neely**, J. Copes, T. Irby, G. Stevens, G. Singh, D. Hathcoat and M. Rhine. 2018. Crop Rotation Impacts on Soil Chemical Properties in Mississippi. *In proc.* ASA-CSSA Annual Conference. November 7, 2018. Baltimore, MD.
- 52.)de Oliveira Silva, A.*[§], A. Fritz, J.T. Edwards, D.A. Marburger, **C.B. Neely**, and R.P. Lollato. 2018. Wheat Variety Response to Enhanced Management to Narrow Yield Gap in the Southern Great Plains. *In proc.* ASA-CSSA Annual Conference. November 5, 2018. Baltimore, MD.
- 51.)Gerrish, B.^{†*}, **C.B. Neely**, A. Ibrahim, C. Trostle, and A. Knutson. 2017. Screening Barley Lines for Forage Production and Hessian Fly Resistance in Texas. *In proc.* Texas Plant Protection Conference. December 5, 2017. Bryan, TX.

- 50.) **Neely, C.B.*** 2017. Seed Use Agreements and Adapted Wheat Varieties for Central and South Texas. In proc. Texas Plant Protection Conference. December 6, 2017. Bryan, TX.
- 49.) Wynne, K.^{†*}, L. Woloohojian[†], **C.B. Neely**, A. Ibrahim, D. Hathcoat, P. Hayes, and K. Smith. 2017. Identifying Adapted Lines and Favorable Environments for Malt Barley Production in Texas. In proc. Texas Plant Protection Conference. December 5, 2017. Bryan, TX.
- 48.) Coker, D.L.* , J.E. Mowrer, **C.B. Neely**, D. Hathcoat, B. Thapa, T.L. Provin, Z.T. Davis and X. Morris. 2017. Effect of Residual Soil Nitrogen Management on Partitioning of Nitrogen in Wheat. In proc. Texas Plant Protection Conference. December 5, 2017. Bryan, TX.
- 47.) Coker, D.L.* , J.E. Mowrer, **C.B. Neely**, D. Hathcoat, B. Thapa, T.L. Provin, Z.T. Davis and X. Morris. 2017. Effect of Residual Soil Nitrogen Management on Partitioning of Nitrogen in Wheat. In proc. ASA-CSSA-SSSA Annual Conference. October 24, 2017. Tampa Bay, FL.
- 46.) Kaur, G.* , J.M. Orlowski, B.R. Golden, W.J. Ross, G. Stevens, T. Irby, J. Copes, **C.B. Neely**, M. Rhine, D. Hathcoat, and R.W. Schnell. 2017. Effects of Crop Rotation on Soil Chemical Properties in the Mid-South US. In proc. ASA-CSSA-SSSA Annual Conference. October 24, 2017. Tampa Bay, FL.
- 45.) Kaur, G.* , L.L. Falconer, J.M. Orlowski, B.R. Golden, W.J. Ross, G. Stevens, T. Irby, J. Copes, **C.B. Neely**, M. Rhine, D. Hathcoat and R.W. Schnell. 2017. Crop Rotation Effects on Corn and Soybean Yields and Economic Returns in the Mid-South United States. In proc. ASA-CSSA-SSSA Annual Conference. October 24, 2017. Tampa Bay, FL.
- 44.) Moreno, J.* , R.W. Schnell, M. Bagavathiannan, **C.B. Neely**, and N. Rajan. 2017. Organic Farming Implementing Cover Cropping and Varying Tillage Practices. In proc. ASA-CSSA-SSSA Annual Conference. October 24, 2017. Tampa Bay, FL.
- 43.) Shafian, S.* , N. Rajan, F. Bo, **C.B. Neely**, and M.W. Brown. 2017. Evaluating Different Methods for Winter Wheat Water Content Estimation from Hyperspectral Remote Sensing Data. In proc. ASA-CSSA-SSSA Annual Conference. October 24, 2017. Tampa Bay, FL.
- 42.) Tomlin, L.E.^{†*}, H.L. Neely, **C.B. Neely**, J.L. Foster, K.L. Lewis, R.W. Schnell, and P.B. DeLaune. 2017. The Impacts of a Double Cropping System on Soil Water and Crop Yields. In proc. ASA-CSSA-SSSA Annual Conference. October 24, 2017. Tampa Bay, FL.
- 41.) Woloohojian, L.[†], K. Wynne^{†*}, **C.B. Neely**, A.M.H. Ibrahim, D. Hathcoat, C.L. Trostle, R.L. Sutton, P.M. Hayes, and K. Smith. 2017. Identifying Adapted Lines and Favorable Environments for Malt Barley Production in Texas. In proc. ASA-CSSA-SSSA Annual Conference. October 24, 2017. Tampa Bay, FL.
- 40.) Coker, D.L.* , J.E. Mowrer, Z.T. Davis, **C.B. Neely**, D.L. Hathcoat, R.L. Sutton and T.L. Provin. Influence of Residual Soil Nitrogen on Wheat Production. In proc. Texas Plant Protection Conference. December 6-7, 2016. Bryan, TX.
- 39.) Tomlin, L.E.^{†*}, H.L. Neely, **C.B. Neely**, J.L. Foster, K.L. Lewis, R.W. Schnell, and P.B. DeLaune. 2016. Double Cropping in Wheat: Impacts on Soil Moisture and Wheat Yields. Texas Plant Protection Conference. December 6-7, 2016. Bryan, TX.
- 38.) Wynne, K.*[§], **C.B. Neely**, and D. Hathcoat. Germination Rates of Spring Canola and Spring Wheat Cultivars in Response to High Temperature. In proc. ASA-CSSA-SSSA Annual Conference. November 9, 2016. Phoenix, AZ.
- 37.) Aiosa, M.L.^{†*}, G.R. Smith, V.A. Corriher-Olsen, **C.B. Neely**, W.B. Smith and F.M. Rouquette Jr.. Evaluation of Cowpea Germplasm for Texas Double Cropping Systems. In

- proc. Southern Assoc. of Agricultural Scientists Annual Conference. February 9, 2016. San Antonio, TX.
- 36.) Aiosa, M.L.^{†*}, G.R. Smith, **C.B. Neely**, R.W. Jessup, C.L.S. Morgan, V.A. Corriher-Olsen, A. Somenahally, and F.M. Rouquette Jr. Cowpea As a Cover Crop and Nitrogen Source in a Double Cropping System with Forage Rye. In proc. ASA-CSSA-SSSA Annual Conference. November 8, 2016. Phoenix, AZ.
 - 35.) Coker, D.L.*[†], J.E. Mowrer, Z.T. Davis, **C.B. Neely**, D.L. Hathcoat, R.L. Sutton and T.L. Provin. Influence of Residual Soil Nitrogen on Wheat Production. In proc. ASA-CSSA-SSSA Annual Conference. November 8, 2016. Phoenix, AZ.
 - 34.) Orlowski, J.M.*[†], B.R. Golden, W.J. Ross, G. Stevens, R. Levy, **C.B. Neely**, and R.W. Schnell. Effect of the Introduction of Feed Grains into Mid-South Soybean Production Systems. In proc. ASA-CSSA-SSSA Annual Conference. November 8, 2016. Phoenix, AZ.
 - 33.) Tomlin, L.^{†*}, H.L. Neely, **C.B. Neely**, J.L. Foster, K.L. Lewis, R.W. Schnell, and P.B. DeLaune. Double Cropping in Wheat: The Relative Impacts of Roots and Tillage on Soil Health. In proc. ASA-CSSA-SSSA Annual Conference. November 8, 2016. Phoenix, AZ.
 - 32.) Liu, X.*[†], X. Dong, Q. Xue, A.M.H. Ibrahim, D. Hathcoat, **C.B. Neely**, D.I. Leskovar, and T. Marek. Path Analysis of Root/Shoot Traits and Grain Yield in Winter Wheat in Texas Wintergarden and High Plains. In proc. ASA-CSSA-SSSA Annual Conference. November 7, 2016. Phoenix, AZ.
 - 31.) **Neely, C.B.*** and D. Hathcoat. Interseeding Spring and Winter Small Grains for Enhanced Forage Production in Cool-Season Forage Systems. In proc. ASA-CSSA-SSSA Annual Conference. November 7, 2016. Phoenix, AZ.
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 - 28.) **Neely, C.B.** and A.D. Hathcoat*. 2015. Identifying proper soybean maturity groups and planting dates for Southeast Texas. In proc. Texas Plant Protection Conference. December 9, 2015. Bryan, TX.
 - 27.) Aiosa, M.L.^{†*}, G.R. Smith, V. Corriher-Olsen, **C.B. Neely**, and F.M. Rouquette, Jr. Influence of Cowpea and Nitrogen Rate in a Cropping System with Forage Rye. In proc. ASA-CSSA-SSSA Annual Conference. November 16, 2015. Minneapolis, MN.
 - 26.) Dong, X.*[†], B. Speer, Y. Zhang, D. Hathcoat, A.M.H. Ibrahim, **C.B. Neely**, Q. Xue, J.C. Rudd, and D. Leskovar. Cultivar-Irrigation Interactions in Shoot/Root Traits of 15 Wheat Varieties in Wintergarden Region. In proc. ASA-CSSA-SSSA Annual Conference. November 16, 2015. Minneapolis, MN.
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 - 23.) Ross, W.J.*[†], B.R. Golden, M.D. Fuhrman, T. Irby, G. Stevens, J. Lofton, **C.B. Neely**, R.W. Schnell, L. Falconer, D. Hathcoat, M. Rhine, L. Bell. An Evaluation of Crop Rotation and

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 - 19.) Woloochojian, L.^{†*}, **C.B. Neely**, A.M.H. Ibrahim, A.D. Hathcoat, T.A. Dickerson, P. Hays, K. Smith. 2014. Barley: A new perspective on an old crop in Texas. In proc. Texas Plant Protection Conference. December 10, 2014. Bryan, TX.
 - 18.) Aiosa, M.^{†*}, F.M. Rouquette, G. Smith, C.L.S. Morgan, and **C.B. Neely**. 2014. Effects of legume rotations on grain sorghum growth and grain yield. In proc. ASA-CSSA-SSSA Annual Conference. November 3, 2014. Long Beach, CA.
 - 17.) Dickerson, T.A.*[§], **C.B. Neely**, A.M.H. Ibrahim, A.D. Hathcoat, P. Hays, K. Smith, and L. Woloochojian. 2014. Selecting adapted barley lines for Central and South Texas Climates. In proc. ASA-CSSA-SSSA Annual Conference. November 3, 2014. Long Beach, CA.
 - 16.) DeLaune, P.*[§], C. Coufal, and **C.B. Neely**. 2014. Management strategies for winter canola in the Texas Rolling Plains. In proc. ASA-CSSA-SSSA Annual Conference. November 4, 2014. Long Beach, CA.
 - 15.) **Neely, C.B.***, A.M.H. Ibrahim, J. Rudd, R. Sutton, A.D. Hathcoat, B. Simoneaux, J. Baker, and R. French. 2014. An economic assessment of foliar fungicide application on multiple levels of disease resistance in hard red winter wheat varieties in Texas. In proc. ASA-CSSA-SSSA Annual Conference. November 4, 2014. Long Beach, CA.
 - 14.) **Neely, C.B.*** and A.D. Hathcoat. 2014. Potential for spring canola production in Texas. In proc. ASA-CSSA-SSSA Annual Conference. November 5, 2014. Long Beach, CA.
 - 13.) **Neely, C.B.**, A. Ibrahim, A.D. Hathcoat*, and T.A. Dickerson. 2014. Barley: A new perspective on an old crop in Texas. 21st North American Barley Researchers Workshop. June 29-July 2, 2014. Minneapolis, MN.
 - 12.) Reddy, S.K.*[§], J. Baker, S. Baker, D. Malinowski, **C. Neely**, A. Ibrahim, S. Liu, Q. Xue, D. Drake, G. Pradhan, Y. Emendack, R. Devkota, and J.C. Rudd. 2014. Phenotyping tools for quantification of biomass and ground cover in wheat and other winter small grains. Borlaug Summit on Wheat for Food Security Conference. March 25-28, 2014. Ciudad Obregón, Mexico.
 - 11.) **Neely, C.B.*** and A.D. Hathcoat. 2013. Grain and forage yields from statewide small grains variety trials. In proc. Texas Plant Protection Conference. December 11, 2013. Bryan, TX.
 - 10.) **Neely, C.B.***, A. Franks, A.M.H. Ibrahim, L.A. Redmon, R.W. Duncan, T.L. Provin and J. Sawyer. 2013. Small grains forage management and yield evaluation methods for central Texas. In proc. ASA-CSSA-SSSA Annual Conference. November 5, 2013. Tampa, FL.
 - 9.) **Neely, C.B.***, F.M. Rouquette Jr., C.L.S. Morgan, G.R. Smith, F.M. Hons and W.L. Rooney. 2013. Clover and cowpea impacts on biomass yield, SOC, and soil total N in a high-biomass sorghum production system. In proc. ASA-CSSA-SSSA Annual Conference. November 4, 2013. Tampa, FL.

- 8.) Yanke, M.L.*[§], **C.B. Neely**, and A.D. Hathcoat. 2013. Effects of four seed treatments on early-season insect and disease pressure in soybeans in southeast Texas. In proc. ASA-CSSA-SSSA Annual Conference. November 4, 2013. Tampa, FL.
- 7.) **Neely, C.B.***, F.M. Rouquette, Jr., G.R. Smith, C.L.S. Morgan, F.M. Hons, W.L. Rooney and B. Higginbotham. 2012. Green manuring and intercropping legumes: Impacts on a high-biomass sorghum production system. In proc. Texas Plant Protection Conference. December 6, 2012. Bryan, TX.
- 6.) **Neely, C.B.***, F.M. Rouquette Jr., G.R. Smith, C.L.S. Morgan, F.M. Hons and W.L. Rooney. 2012. Integrating crimson clover (*Trifolium incarnatum* L.) and cowpea (*Vigna unguiculata* L. [Walp]) into grain sorghum (*Sorghum bicolor* L. [Moench]) cropping systems to improve crop yield, soil nitrogen, and soil carbon. In proc. ASA-CSSA-SSSA Annual Conference. October 23, 2012. Cincinnati, OH.
- 5.) **Neely, C.B.***, F.M. Rouquette, Jr., G.R. Smith, C.L.S. Morgan, F.M. Hons, W.L. Rooney, and B. Higginbotham. 2011. Legume Contributions to Soil and Yield of High-Biomass Sorghum Cropping Systems. In proc. ASA-CSSA-SSSA Annual Conference. October 18, 2011. San Antonio, TX.
- 4.) **Neely, C.B.***, F.M. Rouquette, Jr., G.R. Smith, C.L.S. Morgan, and W.L. Rooney. 2011. Using Legumes to Reduce Nitrogen Fertilization and Enhance Soil Carbon for Grain Sorghum Cropping Systems. In proc. Southern Regional ASA Conference. February 7, 2011. Corpus Christi, TX.
- 3.) Brown, J.* and **C. Neely**. 2010. Winter canola for livestock feed and high seed yield. In proc. ASA-CSSA-SSSA Annual Conference. November 3, 2010. Long Beach, CA.
- 2.) Walsh, C.*, **C. Neely**. and J. Brown. 2010. Intercropping canola and triticale to increase forage yields. In proc. ASA-CSSA-SSSA Annual Conference. November 3, 2010. Long Beach, CA.
- 1.) **Neely, C.B.***, F.M. Rouquette, Jr., G.R. Smith, C.L.S. Morgan, and W.L. Rooney. 2010. Using Legumes to Reduce Nitrogen Fertilization and Enhance Soil Carbon for Grain Sorghum Cropping Systems. In proc. Texas Plant Protection Conference. December 6, 2010. Bryan, TX.

EXTENSION PUBLICATIONS

([‡] = from TAMU work)

Washington State University (n=4)

- 10.) Madsen, I., and **C.B. Neely**. 2022. Management Considerations and Potential for Dual-Purpose Canola Forage in the Pacific Northwest. *WSU Accepted*.
- 9.)[‡]Gerrish, B.J. and **C.B. Neely**. 2022. Increasing Wheat Grain Protein using Late Season Applications of Nitrogen. SCSC-PU-239.
- 8.)[‡]Gerrish, B., **C.B. Neely**, A. Ibrahim, and A. Knutson. 2021. Evaluation of Hard Red Winter Wheat and Hard Red Spring Wheat for Resistance to Hessian Fly (*Mayetiola destructor*) in a Controlled Environment. SCSC-PU-231.
- 7.)[‡]Obasa, K., **Neely, C.B.**, and T. Isakeit. 2021. Bacterial Streak and Black Chaff in Small Grains. Texas A&M AgriLife Extension Service. PLPM-PU-092.

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- Peterson, K. Roozeboom, T. Royer, D. Diaz, D. Santra, C. Thompson, J. Warren, and H. Zhang. 2018. Great Plains Canola Production Handbook. MF2734 (Revised).
- 5.) Kimura, E., J. Bell, C. Trostle, and **C. Neely**. 2017. Winter Wheat Management Calendar for the Rolling Plains and High Plains of Texas. ESC-048.
 - 4.) Bell, J., E. Bynum, R. French, E. Kimura, **C. Neely**, and J. McGinty. 2016. The Importance of Controlling Volunteer Wheat. SCS-2016-28.
 - 3.) Kimura, E., J. Bell, C. Trostle, **C. Neely**, and D. Drake. 2016. Potential Causes of Yellowing During the Tillering Stage of Wheat in Texas. ESC-040.
 - 2.) **Neely, C.B.**, J. McGinty, and P. Baumann. 2016. Weed Control Recommendations in Wheat. Texas A&M AgriLife Extension Service. ESC-037.
 - 1.) **Neely, C.B.**, C. Trostle and M. Welch. 2014. Wheat Freeze Injury in Texas. Texas A&M AgriLife Extension Service. ESC-026.

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- 27.) **Neely, C.**, B. Gerrish, A. Horton. 2021. 2021 Cereal Variety Performance Trials. Crop and Soil Science Department. Washington State University Extension. <http://smallgrains.wsu.edu/variety>.
- 26.) **Neely, C.**, B. Gerrish, A. Horton. 2020. 2020 Cereal Variety Performance Trials. Crop and Soil Science Department. Washington State University Extension. <http://smallgrains.wsu.edu/variety>.
- 25.) **Neely, C.**, A. Esser, V. Jitkov, A. Horton, J. DeMacon. 2019. 2019 Cereal Variety Performance Trials. Crop and Soil Science Department. Washington State University Extension. <http://smallgrains.wsu.edu/variety>.

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- 24.) **Neely, C.B.**, B. Gerrish, J. Baker, S. Baker, J. Bell, A. Braley, R. Devkota, D. Drake, K. Heflin, A. Ibrahim, E. Kimura, C. Livingston, J. McGinty, C. Naylor, B. Niece, R. Noland, G. Opeña, J. Ramirez, J. Rudd, B. Simoneaux, P. Simon, R. Sutton, and C. Trostle. 2019. Texas Wheat Variety Trial Results. SCS-2019-25.
- 23.) **Neely, C.B.**, B.J. Gerrish, A. Ibrahim, B. Simoneaux, G. Opeña, and R. Sutton. 2019. Texas Barley Variety Trials Results. SCS-2019-24.
- 22.) **Neely, C.B.**, B. Gerrish, J. Baker, T. Bell, M. Berry, A. Ibrahim, E. Kimura, J. Klinksiek, R. Noland, J. Ramirez, J. Rudd, B. Simoneaux, and G. Smith. 2019. Texas Cool-Season Annual Forage Results. SCS-2019-23.
- 21.) **Neely, C.B.**, B.J. Gerrish, D. Hathcoat, A. Ibrahim, B. Simoneaux, and R. Sutton. 2018. Texas Barley Variety Trials Results. SCS-2018-23.
- 20.) **Neely, C.B.**, D. Hathcoat, B. Gerrish, J. Baker, M. Berry, A. Ibrahim, E. Kimura, J. Ramirez, J. Rudd, B. Simoneaux, and G. Smith. 2018. Texas Cool-Season Annual Forage Results. SCS-2018-07.
- 19.) **Neely, C.B.**, B. Gerrish, D. Hathcoat, J. McGinty, B. Simoneaux, A. Ibrahim, J. Rudd, R. Sutton, J. Baker, G. Opeña. 2018. Texas Oat Variety Trial Results. SCS-2018-13.
- 18.) **Neely, C.B.**, B. Gerrish, D. Hathcoat, C. Trostle, J. Bell, E. Kimura, J. McGinty, M. Stamm, and S. Dooley. 2018. Texas Canola Variety Trial Results. SCS-2018-09.
- 17.) **Neely, C.B.**, B. Gerrish, D. Hathcoat, J. Baker, S. Baker, J. Bell, A. Braley, R. Devkota, D. Drake, A. Ibrahim, C. Jones, E. Kimura, C. Livingston, J. McGinty, C. Naylor, B. Niece, G. Opeña, J. Ramirez, J. Rudd, B. Simoneaux, P. Simon, R. Sutton, and C. Trostle. 2018. Texas Wheat Variety Trial Results. SCS-2018-08.
- 16.) **Neely, C.B.**, D. Hathcoat, J. Baker, M. Berry, D. Drake, A. Ibrahim, E. Kimura, J. Ramirez, J. Rudd, B. Simoneaux, and G. Smith. 2017. Texas Cool-Season Annual Forage Results. SCS-2017-12.

- 15.) **Neely, C.B.**, D. Hathcoat, J. Bell, P. DeLaune, S. Dooley, E. Kimura, J. McGinty, S. McLellan, M. Stamm, and C. Trostle. 2017. Texas Canola Variety Trial Results. SCS-2017-11.
- 14.) **Neely, C.B.**, D. Hathcoat, J. Baker, S. Baker, J. Bell, A. Braley, R. Devkota, D. Drake, A. Ibrahim, C. Jones, E. Kimura, A. Knutson, C. Livingston, J. McGinty, C. Naylor, B. Niece, G. Opeña, J. Ramirez, C. Roseborough, J. Rudd, B. Simoneaux, P. Sirmon, R. Sutton, and C. Trostle. 2017. Texas Wheat Variety Trial Results. SCS-2017-10.
- 13.) **Neely, C.B.**, D. Hathcoat, J. Baker, S. Baker, R. Devkota, D. Drake, A. Ibrahim, G. Opena, J. Rudd, B. Simoneaux, and R. Sutton. 2016. Texas Oat Variety Trial Results. SCS-2016-31.
- 12.) **Neely, C.B.**, D. Hathcoat, P. DeLaune, M. Stamm, S. Dooley, R. Collett, M. Jungman, J. McGinty, S. McLellan, M. Donalson, and A. Abrameit. 2016. Texas Canola Variety Trial Results. SCS-2016-24.
- 11.) **Neely, C.B.**, D. Hathcoat, J. Baker, S. Baker, M. Berry, R. Devkota, D. Drake, A. Ibrahim, E. Kimura, G. Opena, J. Ramirez, J. Rudd, B. Simoneaux, G. Smith, and R. Sutton. 2016. Texas Cool-Season Annual Forage Results. SCS-2016-23.
- 10.) **Neely, C.B.**, D. Hathcoat, C. Allen, J. Baker, S. Baker, J. Bell, A. Braley, R. Devkota, D. Drake, A. Ibrahim, C. Jones, E. Kimura, A. Knutson, C. Livingston, J. McGinty, X. Morris, B. Niece, G. Opeña, J. Ramirez, C. Roseborough, J. Rudd, B. Simoneaux, P. Sirmon, R. Sutton, and C. Trostle. 2016. Texas Wheat Variety Trial Results. SCS-2016-22.
- 9.) **Neely, C.B.**, D. Hathcoat, A. Ibrahim, J. Rudd, R. Sutton, D. Drake, B. Pinchak, J. Baker, B. Simoneaux, R. Devkota, G. Opena, S. Baker, D. Fulford, S. Krishna, and L. Nelson. 2015. Texas Cool-Season Annual Forage Variety Results. SCS-2015-09.
- 8.) **Neely, C.B.**, D. Hathcoat, P.B. DeLaune, J. McGinty, M. Stamm, R. Collett, M. Jungman, S. McLellan, M. Donalson, A. Abrameit, and S. Dooley. 2015. Texas Canola Variety Trial Results. SCS-2015-08.
- 7.) **Neely, C.B.**, D. Hathcoat, M. McFarland, D. Drake, C. Trostle, J. Bell, E. Kimura, J. McGinty, J. Ramirez, J. Swart, A. Braley, A. Ibrahim, J. Rudd, R. Sutton, R. Devkota, J. Baker, G. Opena, B. Simoneaux, S. Baker, D. Worrall, G. McCormack, and R. Padilla. 2015. Texas Wheat Variety Trial Results. SCS-2015-06.
- 6.) **Neely, C.B.**, D. Hathcoat, A. Ibrahim, J. Rudd, R. Sutton, J. Foster, C. Trostle, D. Drake, J. Bell, M. McFarland, R. Devkota, G. Opena, J. Baker, B. Simoneaux, S. Baker, J. Ramirez, J. Swart, A. Braley, D. Worrall, G. McCormack, and R. Padilla. 2014. Texas Wheat Variety Trial Results. SCS-2014-04.
- 5.) **Neely, C.B.**, D. Hathcoat, A. Ibrahim, J. Rudd, R. Sutton, D. Drake, R. Devkota, G. Opena, B. Simoneaux, J. Baker, and S. Baker. 2014. Texas Oat Variety Trial Results. SCS-2014-02.
- 4.) **Neely, C.B.**, D. Hathcoat, A. Ibrahim, J. Rudd, R. Sutton, D. Drake, B. Pinchak, J. Baker, B. Simoneaux, R. Devkota, G. Opena, S. Baker, S. Krishna, and L. Nelson. 2014. Texas Cool-Season Annual Forage Variety Results. SCS-2014-03.
- 3.) **Neely, C.B.**, D. Hathcoat, A. Ibrahim, J. Rudd, R. Sutton, D. Worrall, T. Miller, C. Trostle, and D. Drake. 2013. Texas Wheat Uniform Variety Trials. SCSC-2013-06.
- 2.) **Neely, C.B.**, D. Hathcoat, A. Ibrahim, J. Rudd, R. Sutton, T. Miller, D. Drake, and C. Jones. 2013. Oat Variety Trial Results. SCSC-2013-07.
- 1.) **Neely, C.B.**, D. Hathcoat, A. Ibrahim, J. Rudd, R. Sutton, T. Miller, D. Drake, L. Nelson, and A. Franks. 2013. Texas Cool-Season Annual Forage and Grain Results. SCSC-2013-08.

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- 2.) Jeschke, A. and C.B. Neely. April 2022. Certified Seed Buying Guide. Washington State Crop Improvement Association.
- 1.) Port, L. and C.B. Neely. January 2020. Certified Seed Buying Guide. Washington State Crop Improvement Association.

Texas A&M AgriLife Extension (n=2)

- 2.) Salmeron, M., L.C. Purcell, **C.B. Neely**, J. Loftin, and R. Levy. June 2016. Soybean Yield Response: Planting Date and Maturity Groups in Texas and Louisiana. Texas Soybean Board and Louisiana Soybean and Grain Research and Promotion Board.
- 1.) Mosier, K., P. Baumann, G. Fipps, **C.B. Neely**, D. Porter, and M.O. Way. September 2015. Texas (Soybean) Best Management Practices Guide. Texas Soybean Board.

FIELD DAY & COUNTY EXTENSION REPORTS

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- 29.) Davis, Z.T. & **C.B. Neely**. 2018. Hard Red Winter Wheat Variety Trial – Replicated. Hill County Applied Research Report. 12-10-18.
- 28.) Davis, Z.T. & **C.B. Neely**. 2018. Soft Red Winter Wheat Variety Trial – Replicated. Hill County Applied Research Report. 12-10-18.
- 27.) Bekewe, P.[†], H. Neely, **C. Neely**, J. Foster, K. Lewis, R. Schnell, and P. DeLaune. The Effect of Tillage and Double Cropping Systems on Wheat Production. *In. proc.* Texas Small Grains Workers Annual Meeting. August 1, 2018. College Station, TX.
- 26.) **Neely, C.B.**, J. Mowrer, E. Kimura, K. Lewis, R. Sutton, A. Braley, D. Hathcoat, D. Coker, B. Gerrish, D. Drake, and C. Jones. Soil Nitrogen Crediting and Updated Rate Recommendations for Texas Wheat Production. *In. proc.* Texas Small Grains Workers Annual Meeting. August 1, 2018. College Station, TX.
- 25.) **Neely, C.B.** and A.D. Hathcoat. 2017-18 Stiles Farm Small Grains/Oilseeds Research. Stiles Foundation Farm Field Day. June 19, 2018, Thrall, TX.
- 24.) Davis, Z., X. Morris, **C.B. Neely**, and D. Hathcoat. 2017. Demonstration: 2017 Hill County Hill County Hard Red Winter Wheat – Uniform Variety Trial. Hill County Preliminary Report: Wheat.
- 23.) Davis, Z., X. Morris, J. Mowrer, D. Coker, **C.B. Neely**, and D. Hathcoat. 2017. Demonstration: 2017 Hill County Wheat Nitrogen Rates X Nitrogen Stabilizer Study – Replicated. Hill County Preliminary Report: Wheat.
- 22.) Brown, M.[†], **C. Neely**, L. Redmon, J. Bell, and B. Pinchak. Comparing nitrogen use efficiency among small grains species in Texas. *In. proc.* Texas Small Grains Workers Annual Meeting. August 11, 2017. Amarillo, TX.
- 21.) Gerrish, B.[†], **C.B. Neely**, A. Ibrahim, A. Knutson, and C. Trostle. Screening barley lines for forage production under Texas environments. *In. proc.* Texas Small Grains Workers Annual Meeting. August 11, 2017. Amarillo, TX.
- 20.) **Neely, C.B.** and A.D. Hathcoat. 2016-17 Stiles Farm Small Grains/Oilseeds Research. Stiles Foundation Farm Field Day. June 20, 2017, Thrall, TX.
- 19.) Tomlin, L.[†], **C. Neely**, H. Neely, R. Schnell, and D. Hathcoat. Double Cropping in Wheat: Impacts on Soil Moisture and Wheat Yields. Stiles Foundation Farm Field Day. June 20, 2017, Thrall, TX.
- 18.) Tomlin, L.E.[†], H.L. Neely, **C.B. Neely**, J.L. Foster, K.L. Lewis, R.W. Schnell, and P.B. DeLaune. 2017. Double Cropping in Wheat: Impacts on Soil Moisture and Wheat Yields. *In. proc.* Texas Soil Health Short Course. February 22-23, 2017. Wichita Falls, TX.
- 17.) Davis, Z., X. Morris, **C.B. Neely**, J. Mowrer, D. Hathcoat, and D. Coker. 2016. Hill County Preliminary Report: Wheat.
- 16.) Graf, D., **C.B. Neely**, and J. Ramirez. 2016. Wichita County Results Demonstration Report. Mares Tail Control Demonstration - 2 Year Study.

- 15.) Simoneaux, B.[†], **C. Neely**, A. Ibrahim, N. Rajan, S. Shafian, and D. Hathcoat. Estimating small grains forage using UAVs. *In proc.* Texas Small Grains Workers Annual Meeting. August 4, 2016. College Station, TX.
- 14.) Liu, X, X. Dong, D. Hathcoat, **C. Neely**, A. Ibrahim, and D. Leskovar. *In proc.* Texas Small Grains Workers Annual Meeting. August 4, 2016. College Station, TX.
- 13.) Gerrish, B.[†], **C. Neely**, D. Hathcoat, A. Ibrahim, A. Knutson, P. Hayes and K. Smith. Evaluating barley for forage in Texas. *In proc.* Texas Small Grains Workers Annual Meeting. August 4, 2016. College Station, TX.
- 12.) Wolooohojian, L.[†], **C. Neely**, D. Hathcoat, T.A. Dickerson, A. Ibrahim, P. Hayes and K. Smith. Evaluating barley lines for yield performance and adaptation to Texas growing conditions for feed and malting purposes. *In proc.* Texas Small Grains Workers Annual Meeting. August 4, 2016. College Station, TX.
- 11.) **Neely, C.B.** and A.D. Hathcoat. Wheat and Oat Variety Performance in Central Texas. Stiles Foundation Farm Field Day. June 21, 2016, Thrall, TX.
- 10.) **Neely, C.B.**, A.D. Hathcoat and R. Sutton. Malt Barley Variety Performance in Central Texas. Stiles Foundation Farm Field Day. June 21, 2016, Thrall, TX.
- 9.) **Neely, C.B.** and A.D. Hathcoat. Williamson County Replicated Wheat & Oat Variety Trials: Stiles Farm 2012-2014. Stiles Farm Foundation Field Day. June 16, 2015, Thrall, TX.
- 8.) **Neely, C.B.** and A.D. Hathcoat. Malt Barley Variety Trials in Central and South Texas. Stiles Farm Foundation Field Day. June 16, 2015, Thrall, TX.
- 7.) Collett, R., M. Jungman, **C.B. Neely**, and D. Hathcoat. 2014. Hard Red Winter Wheat Variety Trial – Replicated. Hill County Results of Agricultural Demonstration.
- 6.) Collett, R., M. Jungman, **C.B. Neely**, and D. Hathcoat. 2014. Percent Sprout Damage in Wheat Variety Trial - Replicated. Hill County Results of Agricultural Demonstration.
- 5.) Collett, R., M. Jungman, **C.B. Neely**, and D. Hathcoat. 2014. Palisade Growth Regulator Trial on Wheat - Replicated. Hill County Results of Agricultural Demonstration.
- 4.) Collett, R., M. Jungman, **C.B. Neely**, and D. Hathcoat. 2014. Wheat Protein Response to Nitrogen. Hill County Results of Agricultural Demonstration.
- 3.) **Neely, C.B.** and A.D. Hathcoat. Williamson County Replicated Wheat and Oat Variety Trials: Stiles Farm 2012-2014. Stiles Farm Foundation Field Day. June 17, 2014, Thrall, TX.
- 2.) **Neely, C.B.** and A.D. Hathcoat. Malt Barley Variety Trials in Central and South Texas. Stiles Farm Foundation Field Day. June 17, 2014, Thrall, TX.
- 1.) **Neely, C.B.** and A.D. Hathcoat. Wheat and Oat Variety Performance in Central Texas. Stiles Farm Foundation Field Day. June 18, 2013, Thrall, TX.

EXTENSION ACTIVITIES

Washington State University (2019-Present)

- Contacts through grower meetings/field days – 2,195 contacts (25 events)
- Invited Extension talks – 88 contacts (2 meetings)
- International Contacts – 6 contacts (1 meeting)
- Website Pageviews (<http://smallgrains.wsu.edu/variety>) – 44,737
- Twitter Account (@WSUVarietyTest) – 143 followers, 56 tweets, 178 retweets, 50,254 Impressions
- Popular Press Articles
 - Capital Press (6)
 - Wheat Life (9)
 - The Growers Guide (1)

- Podcasts
 - Wheat Beat (6)
 - Wheat All About It (1)
- Newsletter/Blog
 - Timely Topic (7)

Texas A&M AgriLife Extension (2013-2019)

- Contacts through county agents – 8,259 contacts (160 events)
- Direct Contacts through Email/Phone/Face-to-Face – 5,548 contacts (15 events)
- Invited Extension talks – 734 contacts (18 meetings)
- International Contacts – 84 contacts (13 meetings)
- Website Pageviews (<http://varietytesting.tamu.edu/wheat>) – 1.9 million
- Website Pageviews (<http://varietytesting.tamu.edu/cool-season-oilseeds>) – 88,437
- Twitter Account (@TXSmallGrains) – 511 followers, 184 tweets, 592 retweets, 8,166 engagements, 177,484 Impressions
- Popular Press Quotes – 72 Original (128 Reprints)
- Videos and Voice Clips – 26 clips
- Extension Newsletter Articles – 35
- Agent Trainings – 18 events (225 agents)

PROGRAM SUPPORT

Washington State University

Total Program Received: PI = \$656,630; Co-PI = \$506,756

1) Provided the initial idea, 2) Developed research design and hypotheses, 3) Authorship of grant application, 4) Developed and/or managed budget, 5) Managed personnel and project activities

- 2021-2026. Optimizing Human Health and Nutrition: From Soil to Society. Murphy, K., B. Brueggeman, K. Campbell, F. Carbonero, J. Fanzo, G. Ganjyal, D. Griffin, S. Jones, G. LaHue, V. McCracken, R. McGee, P. Monsivais, **C. Neely**, M. Perrigue, P. Solverson, K. Szlavecz, J. Tang, A. Thorne-Lyman, A. Warner. Source: USDA-NIFA-AFRI. Amount: \$10,000,000. **(2,3,4,5, \$460,145)**.
- 2021-2022. Boom Sprayer. **C. Neely** (PI). Source: Washington Wheat Foundation. Amount: \$5,085. **(1,2,3,4,5, \$5,085)**.
- 2021-2022. Variety Evaluation of Barley. **C. Neely** (PI). Source: Washington Grain Commission. Amount: \$30,000. **(1,2,3,4,5, \$30,000)**.
- 2021-2022. Variety Evaluation of Wheat. **C. Neely** (PI). Source: Washington Grain Commission. Amount: \$160,000. **(1,2,3,4,5, \$160,000)**.
- 2021-2022. Breeder Quality Trial. Morris, C.F. (PI) and **C. Neely**. Source: Washington Grain Commission. Amount: \$58,200. **(3,4,5, \$13,908)**.
- 2021-2023. Do Winter Wheat Cultivars Impact Spring Canola Stand Establishment Differently? **Neely, C.** (PI) and I. Madsen. Source: Washington Oilseed Commission. Amount: \$25,152 **(1,2,3,4,5, \$25,152)**.
- 2021-2023. FACT: Field Crop Variety Data Hub For Information Access And Knowledge Discovery Using Historical And Current Trial Data. Piaskowski, J. (PI), J. Marshall, K. Schroeder, R. Graebner, **C. Neely**, S. Jones, and S. Van Vleet. Source: USDA-NIFA-FACT. Amount: \$468,355 **(3,5, \$7,011)**.

2021. Variety Testing Program FOSS Near Infrared Spectrometer. C. Neely. Source: Washington Grain Commission. Amount: \$28,408. **(1,3,4,5, \$28,408)**.

2020-2021. Breeder Quality Trial. Morris, C.F. (PI) and C. Neely. Source: Washington Grain Commission. Amount: \$58,200. **(3,4,5, \$13,908)**.

2020-2021. Selecting Winter Wheat for more than just yield: Improving Soil Health, Microbial Diversity, and Grain Micronutrient Density Across Washington State. Neely, C. (PI) and T. Sullivan. Source: WSU BIOAg Program. Amount: \$39,974. **(1,2,3,4,5, \$39,974)**.

2020-2021. Variety Evaluation of Barley. C. Neely (PI). Source: Washington Grain Commission. Amount: \$26,000. **(1,2,3,4,5, \$26,000)**.

2020-2021. Variety Evaluation of Wheat. C. Neely (PI). Source: Washington Grain Commission. Amount: \$155,000. **(1,2,3,4,5, \$155,000)**.

2020-2021. Weather Stations to Support Variety Testing and Wheat Research. Neely, C. (PI), D. Brown, C. Steber, K. Garland-Campbell, and X. Chen. Source: Washington Grain Commission. Amount: \$27,419. **(1,2,3,4,5, \$27,419)**.

2020-2021. Weather Station for Variety Trial. Neely, C. (PI). Source: Lincoln County Wheat Growers Association. Amount: \$4,000. **(1,2,3,4,5, \$4,000)**.

2020-2021. Winter Oat Breeding Line Testing. Neely, C. (PI). Source: Calyxt, Inc. Amount: \$3,000. **(1,2,3,4,5, \$3,000)**.

2019-2020. Variety Evaluation of Wheat. Esser, A. (PI) and C. Neely. Source: Washington Grain Commission. Amount: \$155,000. **(4,5, \$155,000)**.

2019-2020. Variety Evaluation of Barley. Esser, A. (PI) and C. Neely. Source: Washington Grain Commission. Amount: \$26,000. **(4,5, \$26,000)**.

Texas A&M AgriLife Extension

Total Program Received: PI = \$592,289; Co-PI = \$6,233,562

2019-2020. Economically Improving Wheat Grain Protein with Late Season Nitrogen. Neely, C. (PI), J. Bell, E. Kimura, and R. Noland. Source: Texas Wheat Producers Board. Amount: \$9,000. **(1,2,3,4, \$4,500)**.

2018-2021. Improve Outreach to Improve Soils: Combining Data, Economics, and Communication to Improve Soil Health Across the South Central United States. Neely, H. (PI), C. Neely, J. Foster, K. Lewis, M. Welch, H. Leggette, J. Lofton, and J. Copes. Source: NRCS-CIG. Amount: \$1,090,052. **(2,3,4,5 \$242,754)**.

2018-2019. Evaluation of Barley CAP lines for malting barley in Texas. Neely, C. (PI), A. Ibrahim, P. Hayes, and K. Smith. Source: American Malt Barley Association. Amount: \$2,902. **(1,2,3,4,5 \$2,902)**.

2018-2019. Evaluation of Malt Barley. Neely, C. (PI). Source: Blacklands Malt. Amount: \$2,500. **(1,2,3,4,5 \$2,500)**.

2018-2019. Evaluation of New Chemistry. Neely, C. (PI). Source: Syngenta. Amount: \$6,000. **(1,2,3,4,5 \$6,000)**.

2018-2019. Evaluation of New Canola Germplasm. Neely, C. (PI). Source: Caldbeck Consulting. Amount: \$2,562. **(1,2,3,4,5 \$2,562)**.

2018-2019. Hard Red Winter Wheat Variety Testing. Neely, C. (PI). Source: Multiple Seed Companies. Amount: \$38,700. **(1,2,3,4,5 \$10,881)**.

2018-2019. Hard Red Spring Wheat Variety Testing. Neely, C. (PI). Source: Multiple Seed Companies. Amount: \$1,600. **(1,2,3,4,5 \$750)**.

2018-2019. Small Grains Forage Variety Testing. Neely, C. (PI). Source: Multiple Seed Companies. Amount: \$13,200. **(1,2,3,4,5 \$9,375)**.

2018-2019. Statewide Extension and Support of Texas Wheat Producers. Neely, C. (PI) and A.D. Hathcoat. Source: Texas Wheat Producers Board. Amount: \$24,500. **(1,2,3,4,5 \$24,500)**.

2018-2020. Supporting Alternative Crop Options through Improved Fertility Recommendations for Canola in Central and South Texas. **Neely, C.** (PI) and D. Hathcoat. Source: Southern SARE. Amount: \$14,811. **(1,2,3,4,5 \$14,811).**

2018-2019. A Systems Based Approach to Winter Canola Management in the Southern Great Plains. Lofton, J. (PI), B. Arnall, M. Manucherhi, T. Royer, K. Giles, J. Damicone, R. Jones, P.B. DeLaune, **C. Neely**, E. Kimura and J. Bell. Source: USDA-NIFA-SAC. Amount: \$209,352. **(2,3,4,5 \$8,694).**

2018-2019. Texas Wheat Variety Survey. **Neely, C.** (PI). Source: Texas Wheat Producers Board. Amount: \$5,000. **(1,2,3,4,5 \$5,000).**

2017-2018. Evaluation of Barley CAP lines for malting barley in Texas. **Neely, C.** (PI), A. Ibrahim, P. Hayes, and K. Smith. Source: American Malt Barley Association. Amount: \$3,000. **(1,2,3,4,5 \$3,000).**

2017-2018. Evaluation of New Chemistry. **Neely, C.** (PI). Source: Syngenta. Amount: \$9,500. **(1,2,3,4,5 \$9,500).**

2017-2018. Evaluation of New Chemistry. **Neely, C.** (PI). Source: Bayer. Amount: \$7,000. **(1,2,3,4,5 \$7,000).**

2017-2018. Evaluation of New Chemistry. **Neely, C.** (PI). Source: BASF. Amount: \$2,000. **(1,2,3,4,5 \$2,000).**

2017-2018. Evaluation of New Chemistry. **Neely, C.** (PI). Source: Monsanto. Amount: \$2,500. **(1,2,3,4,5 \$2,500).**

2017-2018. Evaluation of New Chemistry. **Neely, C.** (PI). Source: Dupont. Amount: \$6,000. **(1,2,3,4,5 \$6,000).**

2017-2018. Evaluation of New Canola Germplasm. **Neely, C.** (PI). Source: Caldbeck Consulting. Amount: \$1,100. **(1,2,3,4,5 \$1,100).**

2017-2018. Hard Red Winter Wheat Variety Testing. **Neely, C.** (PI). Source: Multiple Seed Companies. Amount: \$32,600. **(1,2,3,4,5 \$8,486).**

2017-2018. Hard Red Spring Wheat Variety Testing. **Neely, C.** (PI). Source: Multiple Seed Companies. Amount: \$2,400. **(1,2,3,4,5 \$1,380).**

2017-2018. Increasing soil health, farm productivity, and economic stability through double cropping and reducing tillage in wheat production systems. Neely, H. (PI), **C. Neely**, J. Foster, K. Lewis, and R. Schnell. Source: NRCS. Amount: \$30,000 **(2,3,4,5 \$7,488).**

2017-2019. A novel approach for evaluating the impact of cropping systems on crop productivity and the soil microbiome by linking UAS-data to soil health indicators. Lewis, K. (PI), J. Moore, J. Foster, H. Neely, A. Somenahally, M. Maeda, P. DeLaune, J. Jung, **C. Neely**, and M. Welch. Source: AgriLife Research (Internal). Amount: \$200,000. **(2,3,4,5 \$16,474)**

2017-2018. Promoting Canola Production In the Southern Great Plains Through Innovative Extension and Outreach. Stamm, M. (PI), J. Lofton, and **C. Neely**. Source: Great Plains Canola Association. Amount: \$25,000. **(1,2,3,4,5 \$5,000).**

2017-2018. Small Grains Forage Variety Testing. **Neely, C.** (PI). Source: Multiple Seed Companies. Amount: \$10,050. **(1,2,3,4,5 \$5,970).**

2017-2018. Statewide Extension and Support of Texas Wheat Producers. **Neely, C.** (PI) and A.D. Hathcoat. Source: Texas Wheat Producers Board. Amount: \$24,500. **(1,2,3,4,5 \$24,500).**

2017-2018. A Systems Based Approach to Winter Canola Management in the Southern Great Plains. Lofton, J. (PI), B. Arnall, J. Warren, T. Royer, K. Giles, J. Damicone, J. Bushong, R. Kochenower, **C. Neely**, E. Kimura and J. Bell. Source: USDA-NIFA-SAC. Amount: \$209,352. **(1,2,3,4,5 \$8,694).**

2017-2018. Texas Wheat Variety Survey. **Neely, C.** (PI). Source: Texas Wheat Producers Board. Amount: \$5,000. **(1,2,3,4,5 \$5,000).**

2016-2017. A Collaborative Effort to Increase Southern Great Plains Canola Acres. Stamm, M. (PI), J. Lofton, **C. Neely**, and E. Kimura. Source: Great Plains Canola Association. Amount: \$25,000. **(1,2,3,4,5 \$3,750).**

2016-2017. Evaluation of Barley CAP lines for malting barley in Texas. **Neely, C.** (PI) and A.D. Hathcoat. Source: American Malt Barley Association. Amount: \$2,000. **(1,2,3,4,5 \$2,000).**

2016-2019. Maximizing Texas Wheat Production Through Soil Nitrogen Crediting and Improved N Recommendations. **Neely, C.** (PI), J. Mower, D. Coker, E. Kimura, J. Bell, C. Jones, K. Lewis, R. Noland, R. Sutton, A.D. Hathcoat, and B. Gerrish. Source: Texas Wheat Producers Board. Amount: \$45,000. **(1,2,3,4,5 \$10,543).**

2016-2017. Statewide Extension and Support of Texas Wheat Producers. **Neely, C.** (PI) and A.D. Hathcoat. Source: Texas Wheat Producers Board. Amount: \$24,500. **(1,2,3,4,5 \$24,500).**

2016-2018. PhD Student Fellowship. **Neely, C.** (PI). Source: Texas A&M AgriLife Extension (Internal). Amount: \$70,000. **(1,2,3,4,5 \$70,000).**

2016-2017. A systems based approach to building acres and improving production of winter canola in the southern Great Plains. Lofton, J. (PI), B. Arnall, J. Warren, T. Royer, K. Giles, J. Damicone, J. Bushong, R. Kochenower, P.B. DeLaune, **C.B. Neely,** and J. Bell. Source: USDA-NIFA-SAC. Amount: \$209,352. **(1,2,3,4,5 \$9,853).**

2016-2017. Texas Wheat Variety Survey. **Neely, C.** (PI). Source: Texas Wheat Producers Board. Amount: \$5,000. **(1,2,3,4,5 \$5,000).**

2015-2016. Evaluation of Barley CAP lines for malting barley in Texas. **Neely, C.** (PI) and A.D. Hathcoat. Source: American Malt Barley Association. Amount: \$2,000. **(1,2,3,4,5 \$2,000).**

2015-2016. Evaluation of Malt Barley Varieties. **Neely, C.** (PI). Source: Blacklands Malt. Amount: \$2,500. **(1,2,3,4,5 \$2,500).**

2015-2016. Evaluation of Pcm4 Hard Red Winter Wheat Lines in the Rolling Plains and Blacklands. **Neely, C.** (PI), J. Rudd, E. Kimura, R. Sutton and D. Hathcoat. Source: Monsanto (Westbred). Amount: \$13,762. **(1,2,3,4,5 \$5,780).**

2015-2016. Evaluation of New Canola Germplasm. **Neely, C.** (PI). Source: Caldbeck Consulting. Amount: \$3,575. **(1,2,3,4,5 \$3,575).**

2015-2016. Evaluation of New Chemistry. **Neely, C.** (PI). Source: Bayer. Amount: \$8,000. **(1,2,3,4,5 \$8,000).**

2015-2016. Evaluation of New Chemistry. **Neely, C.** (PI). Source: BASF. Amount: \$6,000. **(1,2,3,4,5 \$6,000).**

2015-2016. Evaluation of New Chemistry. **Neely, C.** (PI). Source: Dupont. Amount: \$2,000. **(1,2,3,4,5 \$2,000).**

2015-2016. Evaluation of New Chemistry. **Neely, C.** (PI). Source: Syngenta. Amount: \$4,000. **(1,2,3,4,5 \$4,000).**

2015-2016. Evaluation of New Chemistry. **Neely, C.** (PI). Source: UPI. Amount: \$4,000. **(1,2,3,4,5 \$4,000).**

2015-2016. Expanding acres and improving winter canola production in the Southern Great Plains: A systems approach from planting to post-harvest. Post, A. (PI), B. Arnall, J. Warren, T. Royer, K. Giles, J. Damicone, J. Bushong, R. Kochenower, P.B. DeLaune, **C.B. Neely,** and J. Bell. Source: USDA-NIFA-SAC. Amount: \$200,000. **(1,2,3,4,5 \$10,872).**

2015-2017. Improving food security and soil health in wheat-based cropping systems across Texas. **Neely, H.** (PI), **C. Neely,** J. Foster and K. Lewis. Source: AgriLife Research (Internal). Amount: \$260,000. **(2,3,4,5 \$80,000).**

2015-2016. Statewide Extension and Support of Texas Wheat Producers. **Neely, C.** (PI) and A.D. Hathcoat. Source: Texas Wheat Producers Board. Amount: \$24,500. **(1,2,3,4,5 \$24,500).**

2015-2016. Support of Texas Wheat Extension Efforts in the Rolling Plains. **Neely, C.** (PI) and A.D. Hathcoat. Source: Texas Wheat Producers Board. Amount: \$6,000. **(1,2,3,4,5 \$6,000).**

2015-2016. Texas Wheat Variety Survey. **Neely, C.** (PI). Source: Texas Wheat Producers Board. Amount: \$5,000. **(1,2,3,4,5 \$5,000).**

2014-2015. Evaluation of Barley CAP lines for malting barley in Texas. **Neely, C.** (PI), A. Ibrahim, P. Hayes, and K. Smith. Source: American Malt Barley Association. Amount: \$2,000. **(1,2,3,4,5 \$2,000).**

2014-2015. Evaluation of Malt Barley Varieties. **Neely, C.** (PI). Source: Blacklands Malt. Amount: \$2,500. **(1,2,3,4,5 \$2,500).**

2014-2015. Evaluation of New Canola Germplasm. **Neely, C.** (PI). Source: Caldbeck Consulting. Amount: \$3,025. **(1,2,3,4,5 \$3,025).**

2014-2015. Evaluation of New Chemistry. **Neely, C.** (PI). Source: Bayer. Amount: \$4,600. **(1,2,3,4,5 \$4,600).**

2014-2015. Evaluation of New Chemistry. **Neely, C.** (PI). Source: BASF. Amount: \$3,000. **(1,2,3,4,5 \$3,000).**

2014-2015. Evaluation of New Chemistry. **Neely, C.** (PI). Source: Dupont. Amount: \$2,000. **(1,2,3,4,5 \$2,000).**

2014-2015. Evaluation of New Chemistry. **Neely, C.** (PI). Source: Syngenta. Amount: \$8,000. **(1,2,3,4,5 \$8,000).**

2014-2015. Evaluation of Barley CAP lines for malting barley in Texas. **Neely, C.** (PI), A. Ibrahim, P. Hayes, and K. Smith. Source: American Malt Barley Association. Amount: \$2,000. **(1,2,3,4,5 \$2,000).**

2014-2015. Evaluation of Pcm4 Hard Red Winter Wheat Lines in the Rolling Plains and Blacklands. **Neely, C.** (PI), J. Rudd, R. Sutton and D. Hathcoat. Source: Monsanto (Westbred). Amount: \$12,240. **(1,2,3,4,5 \$3,060).**

2014-2015. Expanding acres and improving winter canola production in the Southern Great Plains: Building Acres, Building Value. Post, A. (PI), B. Arnall, J. Warren, T. Royer, K. Giles, J. Damicone, J. Bushong, R. Kochenower, P.B. DeLaune, **C.B. Neely**, and J. Bell. Source: USDA-NIFA-SAC. Amount: \$209,451. **(1,2,3,4,5 \$11,964).**

2014-2015. Providing Risk Management Education to Winter Canola Producers in Oklahoma, Texas, and New Mexico. Post, A. (PI), J.R. Sholar, J. Bushong, H. Sanders, **C.B. Neely**, S. Angadi, and K. Anderson. Source: USDA-RMA-RME. Amount: \$94,769. **(1,2,3,4,5 \$1,441).**

2014-2017. On Farm Soil Health Management Systems Demonstration Program for the Southern Great Plains. Warren, J. (PI), B. Arnall, H. Zhang, R. Taylor, J. Edwards, A. Post, S. Tachvaeian, J. Damicone, B. Hunger, T. Royer, P. Tomlinson, C. Pope, S. Hansen, P.B. DeLaune, and **C. Neely**. Source: NRCS-CIG. Amount : \$930,000. **(1,2,3,4,5 \$60,374).**

2014-2015. Statewide Extension and Support of Texas Wheat Producers. **Neely, C.** (PI) and A.D. Hathcoat. Source: Texas Wheat Producers Board. Amount: \$22,000. **(1,2,3,4,5 \$22,000).**

2014-2015. Support of Texas Wheat Extension Efforts in the Rolling Plains. **Neely, C.** (PI) and A.D. Hathcoat. Source: Texas Wheat Producers Board. Amount: \$6,000. **(1,2,3,4,5 \$6,000).**

2014-2015. Texas Wheat Variety Survey. **Neely, C.** (PI). Source: Texas Wheat Producers Board. Amount: \$5,000. **(1,2,3,4,5 \$5,000).**

2013-2014. Evaluation of Malt Barley Varieties. **Neely, C.** (PI). Source: Blacklands Malt. Amount: \$1,500. **(1,2,3,4,5 \$1,500).**

2013-2014. Evaluation of Fertilizers. **Neely, C.** (PI). Source: Nachurs. Amount: \$3,500. **(1,2,3,4,5 \$3,500).**

2013-2014. Evaluation of New Chemistry. **Neely, C.** (PI). Source: Bayer. Amount: \$3,500. **(1,2,3,4,5 \$3,500).**

2013-2014. Evaluation of New Chemistry. **Neely, C.** (PI). Source: BASF. Amount: \$3,000. **(1,2,3,4,5 \$3,000).**

2013-2014. Evaluation of New Chemistry. **Neely, C.** (PI). Source: Dupont. Amount: \$2,000. **(1,2,3,4,5 \$2,000).**

2013-2014. Evaluation of New Chemistry. **Neely, C.** (PI). Source: Syngenta. Amount: \$9,000. **(1,2,3,4,5 \$9,000).**

2013-2014. Evaluation of Pcm4 Hard Red Winter Wheat Lines in the Rolling Plains and Blacklands. **Neely, C.** (PI), J. Rudd, and R. Sutton. Source: Monsanto (Westbred). Amount: \$40,800. **(1,2,3,4,5 \$10,200).**

2013-2015. Developing Winter Small Grains – Cool-season Perennial Grass Forage Cropping Systems for Texas. Rudd, J (PI), D. Malinowski, A. Ibrahim, S. Liu, Q. Xue, D. Drake, and **C. Neely**. Source: AgriLife Research (Internal). Amount: \$300,000. **(1,2,3,4,5 \$35,000)**.

2013-2014. Development of the State Uniform Fungicide Variety Trial. French, R. (PI), **C. Neely**, R. Sutton, and A.D. Hathcoat. Source: Texas Wheat Producers Board. Amount: \$10,000. **(2,3,4,5 \$3,042)**.

2013-2014. Statewide Extension and Support of Texas Wheat Producers. **Neely, C.** (PI) and A.D. Hathcoat. Source: Texas Wheat Producers Board. Amount: \$22,000. **(1,2,3,4,5 \$22,000)**.

2013-2014. Support of Texas Wheat Extension Efforts in the Rolling Plains. **Neely, C.** (PI) and A.D. Hathcoat. Source: Texas Wheat Producers Board. Amount: \$6,600. **(1,2,3,4,5 \$6,600)**.

2013-2014. Texas Wheat Variety Survey. **Neely, C.** (PI). Source: Texas Wheat Producers Board. Amount: \$5,000. **(1,2,3,4,5 \$5,000)**.

2013-2019. Effects of the Introduction of Feed Grains into Mid-South Soybean Production Systems. Golden, B. (PI), J. Lofton, G. Stevens, L. Purcell, **C.B. Neely**, A.D. Hathcoat, and R. Schnell. Source: United Soybean Board. Amount: \$1,505,814. **(3,4,5 \$124,800)**.

2012-2014. Effect of Planting Date, Latitude, and Environmental Factors on Choice of Maturity Group in Mid-South Soybean Production. Purcell, L. (PI), M. Salmeron, F. Bourland, N. Buehring, L. Earnest, E. Gbur, B. Golden, **C.B. Neely**, A.D. Hathcoat, G. Shannon, E. Vories, J. Lofton, D. Verbree, F. Fritsch, B. Wiebold, L. Ashlock, and L. Heatherly. Source: United States Soybean Board/Mid-South Soybean Board. Amount: \$725,772. **(4,5 \$65,640)**.

LEADERSHIP AND PROFESSIONAL ACTIVITIES

WSU Cereal Variety Testing Committee, Chair	2019 – present
Washington State Crop Improvement Board of Directors	2019 – present
WSCIA Promotion and Education Committee	
WSU Variety Release Committee	2019 – present
Texas Plant Protection Association Member	2013 – 2019
President	2019
Vice President	2018
Incoming VP and Poster Chair	2017
Incoming Vice President Elect	2016
Grains Session Chair	2014, '15, '17
New and Minor Crops Chair	2016
Chair of Texas Small Grains Workers Group	2013 – 2019
Organize/Lead Annual Meetings	2013 – 2019
Texas Extension Specialists Association	2016 – 2019
Search Committees	
Agriculture and Natural Resource Communication	2021
Lubbock Cotton Extension Specialist	2018
San Angelo Regional Extension Agronomist	2018
Associate Department Head & Extension Program Leader	2015
Corpus Christi Regional Extension Agronomist	2014
PU 790 Program Specialist Promotion Committee	2015
Western Society of Weed Science Member	2014 – 2018
WERA 77 Committee	2014 – 2018
Texas Small Grains Advisory Committee Member	2013 – 2019
Engaged in program planning of events and educational programs	2013 – 2019
Blacklands Income Growth Conference	
Texas Plant Protection Conference	

Educational programming of Extension Districts in major wheat producing regions of Texas	
American Society of Agronomy (ASA) Member	2008 – present
K-12 Committee	2013 – 2014
Semi-arid dryland cropping systems, extension education, applied soybean research	
Crop Science Society of America (CSSA) Member	2008 – present
Crop Science Graduate Student Scholarship Award Committee (C457)	2017-2021
Chair of committee	2019
Crop Science Extension Education Award Committee (C464)	2015 – present
Judge C3 Graduate Poster Competition	2013, '16, '18
Crop ecology, management and quality division	
Soil Science Society of America (SSSA) Member	2008 – present
Ad Hoc Article Reviews	
Agronomy Journal	
2019 (1)	
2016 (1)	
2014 (4)	
2013 (1)	
Agrosystems, Geosciences and Environment	
2018 (1)	
Crop, Forage, and Turfgrass Management Journal	
2018 (1)	
2017 (2)	
Crop Science	
2018 (2)	
Experimental Agriculture	
2018 (1)	
Industrial Crops and Products	
2015 (1)	
Journal of Agronomy	
2018 (1)	
2022 (1)	
Soil Science Society of America Journal (SSSAJ)	
2014 (1)	
WSU Extension Publications	
2020 (1)	
2021 (1)	

TEACHING

Washington State University

Fall 2021: CS/PLP 403/503, Advanced Cropping Systems, 3 credit hour lecture course
(11 undergraduates/6 graduate students)

Instructor Rating: Outstanding and Above Average (100% of students; 4.6 avg)

Overall Course Rating: Outstanding and Above Average (88% of students; 4.5 avg)

100% of students reported learning a fair amount or a great deal

Fall 2020: CS/PLP 403/503, Advanced Cropping Systems, 3 credit hour lecture course
(17 undergraduates/12 graduate students)

Instructor Rating: Outstanding and Above Average (93% of students; 4.3 avg)

Overall Course Rating: Outstanding and Above Average (86% of students; 4.1 avg)
100% of students reported learning a fair amount or a great deal

Guest Lectured for the following courses:

Phenomics Data Workshop/Bootcamp	2021 CS 403/503
Guest Lectured on Biofuels	2019

Student Mentoring

MS Students advised/co-advised (n=1)

Nick Frisbee, Summer 2019-Spring 2022 (anticipated)

Committees served on: 3

Texas A&M AgriLife Extension

Guest Lectured for the following courses:

SCSC 205	Judge student posters/Guest Lectured	2016-2018
SCSC 402	Guest Lectured on Wheat Disease Management	2014-2018
SCSC 402	Guest Lectured on Abiotic Stress in Wheat	2018
SCSC 441	Guest Lectured on Wheat Production	2016
SCSC 481	Conducted mock interviews	2016-2017
SCSC 489	Judge student posters	2018

Student Mentoring

PhD students advised/co-advised (n=3)

Perejitei Bekewe, Spring 2018-Spring 2021

Bryan Simoneaux, Spring 2015-Fall 2020

Brandon Gerrish, Spring 2016-Spring 2018

Committees served on: 1

MS students advised/co-advised (n=4)

Kacie Wynne, Fall 2016-Fall 2018

Lauren Tomlin, Fall 2016-Fall 2018

Melanie Aiosa, Fall 2014-Spring 2017

Lauren Wolohojian, Spring 2014-Spring 2017

Committees served on: 8

BS students advised (n=3)

Kacie Wynne, 2015

Trevor Dickerson, 2014

Mattie Yanke, 2013

AWARDS

Professional

Dean's Outstanding Achievement Award for Interdisciplinary Research Team 2015

TAM Wheat Improvement Team

Southern Regional ASA Graduate Student Competition – 2 nd Place	2011
Robert F. Barnes Graduate Student Competition (ASA-CSSA-SSSA) – 3 rd Place	2009
Edward J. and Maude R. Iddings Research Fellowship	2009
Western Society of Crop Science Graduate Student Competition – 2 nd Place	2008

Students & Employees

Texas A&M AgriLife Extension Superior Service Award <i>Daniel Hathcoat</i>	2018
Soil and Crop Sciences Departmental Award – Research Support <i>Daniel Hathcoat</i>	2015
Texas Extension Specialist Award – Administrative Assistant <i>Linda Francis</i>	2016
Texas Soil Health Short Course Graduate Student Poster Competition – 1 st Place <i>Lauren Tomlin</i>	2017
C-3 ASA MS Graduate Student Poster Competition – 3 rd place <i>Lauren Woloohojian</i>	2015