

# CURRICULUM VITAE

## *CV SECTION 1: Employment History/Awards*

### NAME

Johnson, Jerry J.

### ADDRESS

### PHONE

### EDUCATION

1992 Ph D, Washington State University

1989 MS, Washington State University

1976 BS, University of California at Davis

### ACADEMIC POSITIONS

(2014 - 2016) Professor, Department of Soil and Crop Sciences, Colorado State University

(2008 - 2014) Associate Professor, Department of Soil and Crop Sciences, Colorado State University

| (1995 - Present) Extension Specialist – Crop Production, Colorado State University Extension, CSU

| (2001 – 2008) Research Scientist, Department of Soil and Crop Sciences, College of Agriculture, CSU

(1993) Post-doctoral assistant, Extension Agronomy, Washington State University

### SABBATICALS

None

### OTHER POSITIONS

1993-1995 Famine Early Warning Systems Project Representative for Chad, Tulane University/United States Agency for International Development (USAID), N'Djamena, Chad, Central Africa.

1986-1988 Extension Agronomist for the National Cereals Research and Extension Project, USAID/Cameroon, Maroua, Cameroon, Central Africa.

1984-1986 Accelerated Crop Production Officer for the Semi-Arid Food Grain Research and Development (SAFGRAD) Project, USAID Africa Region, Maroua, Cameroon, Central Africa.

1977-1983 Accelerated Crop Production Officer for SAFGRAD, USAID Africa Region, Bamako, Mali, West Africa.

1975-1976 Vegetable seed production field representative, Asgrow Seed Company, California and Arizona.

1969-1971 Peace Corps Volunteer in Benin Animal Traction Project, Peace Corps, Benin, West Africa.

1959-1967 Farmer, family farm, Othello, Washington.

### **CURRENT JOB DESCRIPTION**

The incumbent serves as an Associate Professor in Crop Production Management/Crop Production Extension Specialist in the Department of Soil and Crop Sciences. Responsibilities include: for Extension - lead a state and nationally recognized extension and research program in crop production management; serve as the State Extension Crop Production Specialist; coordinate statewide crop production extension education; lead the Crop Variety Testing Program involving small grains, corn, dry beans, soybeans, oilseeds and sunflowers; lead the Collaborative On-Farm Testing Program; publish appropriate variety trial summaries and other extension publications; deliver programs for agribusiness and growers using various education methods (field days, extension presentation, popular journals and electronic technology). Research - develop a strong, innovative, interdisciplinary research program in crop production management that integrates all phases of crop production relevant to the needs of crop producers in Colorado. Have a primary research focus on identifying biofuel crops and how they fit into both irrigated and dryland cropping systems; build strong relationships with multiple governmental, private, and commodity organizations; contribute to the Soil and Crop Sciences graduate program via advising graduate students in crop production management.

50 % Teaching 35 % Research/Creative Activity 15 % Service/Outreach

### **HONORS AND AWARDS**

2015, 20 Years of Distinguished Service, Colorado State University

2015, Nominee for the 2015 Crop Science Society of America, Crop Science Extension Award

2014, Co-Recipient of College of Agriculture Research Team Award, Colorado State University

2013, American Society of Agronomy 2013 Agronomic Extension Education Award, American Society of Agronomy

2012, Nominated for the Agronomic Extension Education Award, American Society of Agronomy

2012, Nominated for the CSSA Extension Award, Crop Science Society of America

2012, Program of Research and Scholarly Excellence awarded to the Wheat Research, Outreach, and Education, Colorado State University

2010, 15 Years of Distinguished Service, Colorado State University

2010, 2010 CSU Extension Team Award, Colorado State University Extension

2010, Award of Excellence ~ Honorable Mention, Western Extension Directors' Association

2010, Award in appreciation of your dedication and contributions to CSU's Wheat Improvement Program, Colorado State University Research Foundation's Technology Transfer Office

2010, Award in Recognition of Twenty-Five Years of Service to Extension, Colorado State University Extension

2008, Program of Research and Scholarly Excellence awarded to the Wheat Research, Outreach, and Education, Colorado State University

2002, Colorado State University Research Foundation Honored Researcher 2000-2001, for participation in the project "Wheat Cultivars Developed at Colorado State University"

## ***CV SECTION 2: Publications/Scholarly Record***

### **PUBLISHED WORKS**

#### **Refereed Journal Articles (41)**

Haley, S.D., J.J. Johnson, F.B. Peairs, J.A. Stromberger, E.E. Hudson-Arns, S.A. Seifert, V.A. Anderson, J.B. Rudolph, G. Bai, X. Chen, R.L. Bowden, Y. Jin, J.A. Kolmer, M.-S. Chen, and B.W. Seabourn. 2017. Registration of 'Langin' wheat. *J. Plant Reg.* (in preparation)

Haley, S.D., J.J. Johnson, F.B. Peairs, J.A. Stromberger, E.E. Hudson-Arns, S.A. Seifert, V.A. Anderson, J.B. Rudolph, G. Bai, X. Chen, R.L. Bowden, Y. Jin, J.A. Kolmer, M.-S. Chen, and B.W. Seabourn. 2017. Registration of 'Sunshine' wheat. *J. Plant Reg.* (in preparation)

Haley, S.D., J.J. Johnson, F.B. Peairs, J.A. Stromberger, E.E. Hudson-Arns, S.A. Seifert, V.A. Anderson, J.B. Rudolph, G. Bai, X. Chen, R.L. Bowden, Y. Jin, J.A. Kolmer, M.-S. Chen, and B.W. Seabourn. 2017. Registration of 'Avery' wheat. *J. Plant Reg.* (in preparation)

Hunter, Kimberly Michelle, M. Stamm, S. Dooley, M. Meki, E. Rojas, S. Angadi, S. Begna, A. Berrada, J. Johnson, H. Bhardwaj, L. Day, R. Freed, J. Holman, C. Mansfield, M. O'Neil, C. Rife, M. Schmidt, C. Schmidt, G. Cramer, W. Heer, B. Caldbeck, S. Casteel, E. Cebert, E. Lentz, J. Krall, P. Miller, C. Sams, D. Ladd, R. Bacon, J. Kiniry. 2016 Simulating winter canola with a process-based model: Crop parameters for *Brassica napus*. *BioEnergy Research*. (in preparation)

McMaster, Gregory S., D. A. Edmunds, S.M. Jones, J. J. Johnson and M. F. Vigil. 2016. Simulating the Probability of Grain Sorghum Maturity before the First Frost in Northeastern Colorado. *Agronomy* 6(4):44-60.

Haley, S.D., J.J. Johnson, F.B. Peairs, J.A. Stromberger, E.E. Hudson-Arns, S.A. Seifert, V.A. Anderson, J.B.

Rudolph, G. Bai, X. Chen, R.L. Bowden, Y. Jin, J.A. Kolmer, M.-S. Chen, and B.W. Seabourn. 2016. Registration of 'Sunshine' wheat. *J. Plant Reg.* (in preparation)

Haley, S.D., J.J. Johnson, F.B. Peairs, J.A. Stromberger, E.E. Hudson-Arns, S.A. Seifert, V.A. Anderson, J.B. Rudolph, G. Bai, X. Chen, R.L. Bowden, Y. Jin, J.A. Kolmer, M.-S. Chen, and B.W. Seabourn. 2016. Registration of 'Avery' wheat. *J. Plant Reg.* (in preparation)

Brick, M.A., J.B. Ogg, H.F. Schwartz, J.J. Johnson, F.Judson and M.A. Pastor-Corrales. 2015. Registration of 'Long's Peak' Pinto Bean. *Journal of Plant Registrations* 2015 9:279-282. doi:10.3198/jpr2015.02.0005crc

Aiken, R., Baltensperger, D., Krall, J., Pavlista, A., Johnson, J. 2015. Planting methods affect emergence, flowering and yield of spring oilseed crops in the U.S. central High Plains. *Industrial Crops and Products* 69: 273-277.

Jewett, G. 2012. *Camelina Sativa*: for biofuels and bio products. Chapter 8 in *Industrial Crops*. Pg. 157-170.

Drenth, A., Olsen, D.B., Cabot, P.E., and Johnson, J.J. 2014. Compression ignition engine performance and emission evaluation of industrial oilseed biofuel feedstocks camelina, carinata, and pennycress across three fuel pathways. *Fuel* 136:143-155.

Nettles-Anderson, S., Olsen, D.B., Johnson, J.J., Enjalbert, J.-N. 2014. Performance of a direct injection IC Engine on SVO and biodiesel from multiple feedstocks. *Journal of Power and Energy Engineering* 2:1-13.

Haley, S.D., Johnson, J.J., Peairs, F.B., Stromberger, J.A., Hudson, E.E., Seifert, S.A., Kottke, R.A., Valdez, V.A., Rudolph, J.B., Bai, G., Chen, X., Bowden, R.L., Jin, Y., Kolmer, J.A., Chen, M.-S., and Seabourn, B.W. 2014. Registration of 'Antero' wheat. *Journal of Plant Registrations* 8(2):165-168.

Haley, S.D., Johnson, J.J., Peairs, F.B., Stromberger, J.A., Hudson, E.E., Seifert, S.A., Kottke, R.A., Valdez, V.A., Nachtmann, J.J., Rudolph, J.B., Bai, G., Chen, X., Bowden, R.L., Jin, Y., Kolmer, J.A., Chen, M.-S., and Seabourn, B.W. 2014. Registration of 'Cowboy' wheat. *Journal of Plant Registrations* 8(2):169-172.

Keske, C.M.H., Hoag, D., Brandess, A., and Johnson, J.J. 2013. Is it economically feasible for farmers to grow their own fuel? A study of *Camelina sativa* in the western United States as an on-farm biofuel. *Biomass and Bioenergy* 54:89-99.

McMaster, G.S., M. Moragues, **S.D. Haley**, P. Byrne, J.J. Johnson, and G. Buchleiter. 2013. Determining winter wheat phenological parameters for phenologymms, a simple model to predict phenology. *In Agronomy abstracts*. ASA, Madison, WI.

Enjalbert, J.-N., Zheng, S., Johnson, J.J., Mullen, J.L., Byrne, P.F., and McKay, J.K. 2013. Brassicaceae germplasm diversity for agronomic and seed quality traits under drought stress. *Industrial Crops and Products* 47:176-185.

Haley, S.D., Johnson, J.J., Peairs, F.B., Stromberger, J.A., Hudson, E.E., Seifert, S.A., Kottke, R.A., Valdez, V.A., Rudolph, J.B., Bai, G., Chen, X., Bowden, R.L., Jin, Y., Kolmer, J.A., Chen, M.-S., and Seabourn, B.W. 2012. Registration of 'Byrd' wheat. *Journal of Plant Registrations* 6:302-305.

Haley, S.D., Johnson, J.J., Peairs, F.B., Stromberger, J.A., Hudson, E.E., Seifert, S.A., Kottke, R.A., Valdez,

V.A., Rudolph, J.B., Bai, G., Chen, X., Bowden, R.L., Jin, Y., Kolmer, J.A., Chen, M.-S., and Seabourn, B.W. 2012. Registration of 'Denali' wheat. *Journal of Plant Registrations* 6:311-314.

Haley, S.D., Johnson, J.J., Westra, P.H., Peairs, F.B., Stromberger, J.A., Hudson, E.E., Seifert, S.A., Kottke, R.A., Valdez, V.A., Rudolph, J.B., Bai, G., Chen, X., Bowden, R.L., Jin, Y., Kolmer, J.A., Chen, M.-S., and Seabourn, B.W. 2012. Registration of 'Brawl CL Plus' wheat. *Journal of Plant Registrations* 6(3):306-310.

Stamm, M., Berrada, A., Buck, J., Cabot, P., Claassen, M., Cramer, G., Dooley, S.J., Godsey, C., Heer, W., Holman, J., Johnson, J., Kochenower, R., Krall, J., Ladd, D., Moore, J., O'Neill, M.K., Pearson, C., Phillips, D.V., Rife, C.L., Santra, D., Sidewell, R., Sij, J., Starner, D., and Wiebold, W. 2012. Registration of 'Riley' winter canola. *Journal of Plant Registrations* 6(3):243-245.

Brick, M.A., Ogg, J.B., Schwartz, H.F., Johnson, J.J., and Judson, F. 2011. Registration of 'Croissant' pinto bean. 2011. *Journal of Plant Registrations* 5(3): 299-303.

Pavlista, A.D., Santra, D.K., Isbell, T.A., Baltensperger, D.D., Hergert, G.W., Krall, J., Mesbach, A., Johnson, J., O'Neil, M., Aiken, R., and Berrada, A. 2011. Adaptability of irrigated spring canola oil production to the US High Plains. *Industrial Crops and Products* 33:165-169.

Haley, S.D., Johnson, J.J., Peairs, F.B., Stromberger, J.A., Heaton, E.E., Seifert, S.A., Kottke, R.A., Rudolph, J.B., Bai, G., Bowden, R.L., Chen, M.-S., Chen, X., Jin, Y., Kolmer, J.A., Chen, R., and Seabourn, B.W. 2011. Registration of 'Snowmass' wheat. *Journal of Plant Registrations* 5(1):87-90.

Haley, S.D., Johnson, J.J., Westra, P.H., Peairs, F.B., Stromberger, J.A., Heaton, E.E., Seifert, S.A., Kottke, R.A., Rudolph, J.B., Bai, G., Bowden, R.L., Chen, M.-S., Chen, X., Jin, Y., Kolmer, J.A., and Seabourn, B.W. 2009. Registration of 'Thunder CL' wheat. *Journal of Plant Registrations* 3(2):181-184.

Haley, S.D., Johnson, J.J., Peairs, F.B., Quick, J.S., Stromberger, J.A., Butler, J.D., Miller, H.R., Heaton, E.E., Rudolph, J.B., Seabourn, B.W., Bai, G., Jin, Y., Kolmer, J., and Chen, X. 2008. Registration of 'Bill Brown' wheat. *Journal of Plant Registrations* 2:218-223.

Brick, M.A., Ogg, J.B., Singh, S.P., Schwartz, H.F., Johnson, J.J., and Pastor-Corrales, M.A. 2008. Registration of drought-tolerant, rust-resistant, high-yielding pinto bean germplasm line CO46348. *Journal of Plant Registrations* 2:120-124.

Haley, S.D., Johnson, J.J., Peairs, F.B., Quick, J.S., Stromberger, J.A., Clayshulte, S.R., Butler, J.D., Rudolph, J.B., Seabourn, B.W., Bai, G., Jin, Y., and Kolmer, J. 2007. Registration of 'Ripper' wheat. *Journal of Plant Registrations* 1:1-6.

Haley, S.D., Johnson, J.J., Peairs, F.B., Quick, J.S., Westra, P.H., Stromberger, J.A., Clayshulte, S.R., Clifford, B.L., Rudolph, J.B., Giura, A., Seabourn, B.W., Chung, O.K., Jin, Y., and Kolmer, J. 2006. Registration of 'Bond CL' wheat. *Crop Science* 46:993-994.

Haley, S.D., Johnson, J.J., Peairs, F.B., Quick, J.S., Westra, P.H., Stromberger, J.A., Clayshulte, S.R., Clifford, B.L., Rudolph, J.B., Seabourn, B.W., Chung, O.K., Jin, Y., and Kolmer, J. 2006. Registration of 'Protection' wheat. *Crop Science* 46:995-996.

Haley, S.D., Quick, J.S., Johnson, J.J., Peairs, F.B., Stromberger, J.A., Clayshulte, S.R., Clifford, B.L., Rudolph, J.B., Seabourn, B.W., Chung, O.K., Jin, Y., and Kolmer, J. 2005. Registration of 'Hatcher' wheat. *Crop Science* 45:2654-2655.

Brick, M.A., Schwartz, H.F., Ogg, J.B., Johnson, J.J., and Judson, F. 2005. Registration of 'Grand Mesa' pinto bean. *Crop Science* 45:413.

Baltensperger, D.D., Frickel, G.E., Nelson, L.A., Krall, J.M., Virgil, M., Hain, J., Johnson, J., Stymiest, C., and Rickerstsen, J.R. 2004. Registration of 'Horizon' proso millet. *Crop Science* 44:688.

Haley, S.D., Quick, J.S., Johnson, J.J., Peairs, F.B., Stromberger, J.A., Clayshulte, S.R., Clifford, B.L., Rudolph, J.B., Chung, O.K., and Seabourn, B.W. 2004. Registration of 'Ankor' wheat. *Crop Science* 44:1025-1026.

Shanahan, J.F., Doerge, T.A., Johnson, J.J., and Vigil, M.F. 2004. Feasibility of site-specific management of corn hybrids and plant densities in the Great Plains. *Precision Agriculture* 5:207-225.

Haley, S.D., Quick, J.S., Martin, T.J., Johnson, J.J., Peairs, F.B., Stromberger, J.A., Clayshulte, S.R., Clifford, B.L., and Rudolph, J.B. 2003. Registration of 'Avalanche' wheat. *Crop Science* 43:432.

Haley, S.D., Lazar, M.D., Quick, J.S., Johnson, J.J., Peterson, G.L., Stromberger, J.A., Clayshulte, S.R., Clifford, B.L., Pester, T.A., Nissen, S.J., Westra, P.H., Peairs, F.B., and Rudolph, J.B. 2003. Above winter wheat. *Canadian Journal of Plant Science* 83:107-108.

Lazar, M.D., Haley, S.D., Quick, J.S., Johnson, J.J., Peterson, G.L., Stromberger, J.A., Clayshulte, S.R., Clifford, B.L., Pester, T.A., Nissen, S.J., Westra, P.H., Peairs, F.B., and Rudolph, J.B. 2003. AP502 CL winter wheat. *Canadian Journal of Plant Science* 83:109-110.

Brick, M. A., Schwartz, H. F., Ogg, J. B., Johnson, J.J., Judson, F., and Pearson, C. J. 2002. Registration of 'Shiny Crow' black bean. *Crop Science* 42:1751-1752.

Haley, S.D., Martin, T.J., Quick, J.S., Seifers, D.L., Stromberger, J.A., Clayshulte, S.R., Clifford, B.L., Peairs, F.B., Rudolph, J.B., Johnson, J.J., Gill, B.S., and Friebe, B. 2002. Registration of 'CO960293-2' wheat germplasm resistant to wheat streak mosaic virus and Russian wheat aphid. *Crop Science* 42:1381-1382.

Brick, M. A., Schwartz, H.F., Ogg, J.B., Johnson, J., Judson, F., Shanahan, J., and Pearson, C. 2001. Registration of 'Montrose' pinto bean. *Crop Science* 41:260.

Quick, J.S., Haley, S.D., Stromberger, J.A., Clayshulte, S., Clifford, B., Johnson, J.J., Peairs, F.B., Rudolph, J.B., and Lorenz, K. 2001. Registration of 'Prowers 99' wheat. *Crop Science* 41:929.

Quick, J.S., Haley, S.D., Stromberger, J.A., Clayshulte, S., Clifford, B., Johnson, J.J., Peairs, F.B., Rudolph, J.B., and Lorenz, K. 2001. Registration of 'Prowers' wheat. *Crop Science* 41:928-929.

Quick, J.S., Stromberger, J.A., Clayshulte, S., Clifford, B., Johnson, J.J., Peairs, F.B., Rudolph, J.B., and Lorenz, K. 2001. Registration of 'Prairie Red' wheat. *Crop Science* 41:1362-1363.

Quick, J.S., Stromberger, J.A., Clayshulte, S., Clifford, B., Johnson, J.J., Peairs, F.B., Rudolph, J.B., and Lorenz, K. 2001. Registration of 'Yumar' wheat. *Crop Science* 41:1363-64.

Johnson, J.J., Miller, B.C., Alldredge, J.R., and Ullrich, S.E. 1994. Using single-replicate on-farm tests to enhance cultivar performance evaluation. *Journal of Production Agriculture* 7:75-80.

Johnson, J.J., Ullrich, S.E., Alldredge, J.R., and Miller, B.C. 1994. Probability as a basis for barley cultivar selection by growers. *Journal of Production Agriculture* 7:225-229.

Johnson, J.J., Alldredge, J.R., Ullrich, S.E., and Dangi, O. 1992. Replacement of replications with additional locations for grain sorghum cultivar evaluation. *Crop Science* 32:43-46.

#### **Non-Refereed Journal Articles/Chapters/Proceedings/Transactions (18)**

Turner, M., Sauer, S., Larson, K., Johnson, J., Jahn, C. 2012. Varietal Differences and the Impact of Drought Stress on Bioenergy Traits of Forage and Sweet Sorghum. *American Society of Agronomy Conference Proceedings*.

Jahn, C., Turner, M., Sauer, S., Brummer, J., McMaster, G., Buchleiter, G., Johnson, J. 2012. Biomass Yield, Bioenergy Trait Characteristics, and Cell Wall Composition of Dryland Sweet Pearl Millet Grown at Multiple Locations in Colorado. *American Society of Agronomy Conference Proceedings*.

Haley, S.D., Johnson, J.J., Westra, P.H., and Peairs, F.B. 2006. CLEARFIELD\* winter wheat (*Triticum aestivum*) cultivar development, commercialization, and introduction in the western Great Plains region of the USA. In: 13<sup>th</sup> Australasian Plant Breeding Conference Proceedings (Mercer, C.F.), New Zealand Grassland Association, Christchurch, New Zealand.

Johnson, J.J., and Haley, S.D. 2006. Variety Selection. In: 2006 Colorado Wheat Production Handbook (Peairs, F.B.), Colorado Association of Wheat Growers, Centennial, Colorado, pp. 9-16.

Meyer, R.F., and Johnson, J.J. 2006. Wheat Planting Considerations. In: 2006 Colorado Wheat Production Handbook (Peairs, F.B.), Colorado Association of Wheat Growers, Centennial, Colorado, pp. 25-27.

Johnson, J.J. 2006. Keys to High Yields of Irrigated Winter Wheat in Colorado. In: 2006 Colorado Wheat Production Handbook (Peairs, F.B.), Colorado Association of Wheat Growers, Centennial, Colorado, pp. 67-70.

Brick, M.A., Ogg, J.B., Schwartz, H.F., Johnson, J.J., Judson, F., and Singh, S.P. 2005. Release of CSU FW-1 and CSU FW-2 Fusarium Wilt Resistant Pinto Germplasm Lines. *Annual Report, Bean Improvement Cooperative* 48:197-198.

Haley, S.D., and Johnson, J.J. 2004. Variety Selection. In: 2004 Colorado Wheat Production Handbook (Peairs, F.B.), Colorado Association of Wheat Growers, Centennial, Colorado, pp. 6-11.

Johnson, J.J. 2004. Keys to High Yields of Irrigated Winter Wheat in Colorado. In: 2004 Colorado Wheat Production Handbook (Peairs, F.B.), Colorado Association of Wheat Growers, Centennial, Colorado, pp. 33-36.

Brick, M.A., Schwartz, H.F., Ogg, J.B., Johnson, J.J., and Judson, F. 2002. Notice of release of Grand Mesa disease resistant pinto bean. *Annual Report, Bean Improvement Cooperative* 45:248.

Johnson, J.J. 2000. Keys to high yields of irrigated winter wheat in Colorado. In: Colorado Wheat Production Handbook. (Peairs, F.B.), Colorado Association of Wheat Growers, Lakewood, Colorado, pp. 33-36.

Brick, M.A., Schwartz, H.F., Ogg, J.B., Johnson, J., Judson, F., Shanahan, J., and Pearson, C. 2000. Naming and release of pinto cultivar 'Montrose'. *Annual Report, Bean Improvement Cooperative* 42:135.

Michaelson, N.K., Johnson, J.J., Peairs, F.B., Wagner, D., Shanahan, J.F., and Fenwick, J.R. 1997. Use of remote sensing to determine feasibility of early detection of Russian wheat aphid infestation. *Agronomy Abstracts* 1997, p. 55.

Johnson, J.J., Ullrich, S.E., Alldredge, J.R., and Miller, B.C. 1992. Probability as a basis for barley cultivar selection from on-farm test data. *Agronomy Abstracts* 1992, p. 68.

Johnson, J.J., Ullrich, S.E., and Miller, B.C. 1992. Extension without "recommendation": alternative interpretations of on-farm barley cultivar tests. *Agronomy Abstracts* 1992, Western Society of Crop Science Abstracts Appendix 3:1.

Ullrich, S.E., Kleinhofs, A., Jones, B.L., and Johnson, J.J. 1991. Somaclonal variation in barley: Theoretical and practical implications. In: *Barley genetics VI. Proceedings of the 6th International Barley Genetics Symposium* Vol. 1 (Munck, L.), Munksgaard International Publishers, Ltd., Copenhagen, Sweden, pp. 220-222.

Johnson, J.J., Ullrich, S.E., and Alldredge, J.R. 1990. Agro climatic zone delimitation using long-term barley yield data. *Barley Newsletter* 33:100.

Johnson, J.J., Ullrich, S.E., and Alldredge, J.R. 1990. On-farm testing of additional sorghum cultivars by replacement of replications with additional locations. *Genotype-by-Environment Interaction and Plant Breeding Symposium* (Kang, M.S. ed.). Louisiana Agricultural Experiment Station and Louisiana State University Agricultural Center. Baton Rouge, Louisiana, p. 11.

Johnson, J.J., Ullrich, S.E., and Alldredge, J.R. 1988. Advantages and disadvantages of replications in on-farm tests of sorghum varieties in northern Cameroon. *Agronomy Abstracts* 1988, p 56.

Johnson, J.J. 1987. The 1985 on-farm test results of sorghum varieties: comparison of S35 with local varieties over two years and 165 sites. In: *Food Grain Production in Semi-arid Africa: Proceedings of an International Drought Symposium Held at the Kenyatta Conference Center, Nairobi, Kenya, 19th to 23rd May 1986* (Menyonga, J.M., Bezuneh, T., and Youdeowei, T.), OAU/STRC-SAFGRAD, Ouagadougou, Burkina Faso, pp. 651-671.

#### **Other (e.g. lab texts, book reviews, technical reports, in-house reports) (345)**

##### **Fact Sheets and Extension Circulars (4)**

Enjalbert, J.-N., and Johnson, J.J. 2011. Guide for Producing Dryland Camelina in Eastern Colorado, Fact Sheet No. 0.709, Colorado State University Extension, Fort Collins, Colorado, 3 pp.

Lyon, D.J., Burgener, P.A., DeBoer, K.L., Harveson, R.M., Hein, G.L., Hergert, G.W., Holman, T.L., Nelson, L.A., Johnson, J.J., Nleya, T., Krall, J.M., Nielsen, D.C., and Vigil, M.F. 2008. Producing and Marketing Proso Millet in the Great Plains. University of Nebraska Extension Circular #EC137. 19 pp.

Brick, M.A., and Johnson, J.J. 2004. Classification and developmental varietal performance. In: *Dry Bean Production and Integrated Management Regional Bulletin No. 562A*, Fort Collins, Colorado, pp. 7-13.

Johnson, J., Haley, S.D., and Westra, P. 2002. The CLEARFIELD\* production system for improved weed control in Colorado winter wheat – a fact sheet for Colorado wheat producers. Fact Sheet No. 3.116, Colorado State University Extension, Fort Collins, Colorado, 6 pp.

### **Wheat reports (47)**

Johnson, J.J., Haley, S.D., Meyer, R., Bartolo, M., Larson, K., Peairs, F., Vigil, M., Asfeld, E., Sauer, S., Novak, R., Kaan, D., Bosley, B., Hain, J., Trujillo, W., Pettinger, B. 2016. TR 16-8: Making Better Decisions, 2016 Colorado Winter Wheat Variety Performance Trials. Colorado Agricultural Experiment Station, Fort Collins, Colorado.

Johnson, J.J., Haley, S.D., Meyer, R., Bartolo, M., Larson, K., Peairs, F., Vigil, M., Asfeld, E., Sauer, S., Novak, R., Kaan, D., Bosley, B., Hain, J., Trujillo, W., Pettinger, B. 2015. TR 15-06: Making Better Decisions, 2015 Colorado Winter Wheat Variety Performance Trials. Colorado Agricultural Experiment Station, Fort Collins, Colorado.

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## **PAPERS PRESENTED/SYMPOSIA/INVITED LECTURES/PROFESSIONAL MEETINGS/WORKSHOPS**

2013. Highlights of new Colorado wheat varieties. Central Great Plains Research Station 2012 Research Progress Meeting. January 2013, Akron, CO.

2012. Biomass Yield, Energy Trait Characteristics, and Cell-Wall Composition of Sweet Pearl Millet Grown in Colorado. ASA-CSSA-SSA National Annual Meeting, 21-24 October 2012, Houston, TX. (poster)

2011. Engine Durability Testing of Unrefined Straight Vegetable Oil. Clean Energy Supercluster Symposium, 20 April 2011, Fort Collins, CO.

2011. Agronomic Factors Affecting Grain Sorghum Maturity in Northeastern Colorado. ASA, CSSA, SSSA International Annual Meetings, 16-19 October 2011, San Antonio, TX.

2011. Winter Camelina in the High Plains. ASA, CSSA, SSSA International Annual Meetings, 16-19 October 2011, San Antonio, TX.

2011. Adaptability of Oilseed Species in High Altitude Areas of Colorado. ASA, CSSA, SSSA International Annual Meetings, 16-19 October 2011, San Antonio, TX.

2010. The Genetic, Environmental, and GxE Effects on Oil Quality and Yield in *Camelina sativa* (L.) Crantz. ASA, CSSA, SSSA International Annual Meetings, 31 October-4 November 2010, Long Beach, CA.

2010. *Brassica juncea*, a Promising Biofuel Crop for the West Central Great Plains. ASA, CSSA, SSSA International Annual Meetings, 31 October-4 November 2010, Long Beach, CA.

2010. Planting Dates and Methods for Spring Canola Establishment, Flowering and Yield in the U.S. Central High Plains. ASA, CSSA, SSSA International Annual Meetings, 31 October-4 November 2010, Long Beach, CA.

2009. Evaluation of *Brassica juncea* and *Brassica carinata* in Colorado Environments. ASA, CSSA, SSSA International Annual Meetings, 1-5 November 2009, Pittsburgh, PA.

2008. New Drought-Tolerant Oilseed Crops for Colorado. Center for Biorefining and Biofuels Spring Meeting, 12 February 2008, Hilton Hotel, Fort Collins, CO.

2007. New Model for Sunflower Variety Testing in Colorado. National Sunflower Association Annual Meeting, 10-11 January 2007, Fargo, ND.

2007. Helping Producers Make Better Variety Planting Decisions: Application of Probabilities to Enhance Interpretation of Variety Trial Information. ASA, CSSA, SSSA International Annual Meetings, 4-8 November 2007, New Orleans, LA.

2006. Multilocational (1990-2006) analysis of Colorado winter wheat yield trial data. ASA, CSSA, SSSA International Annual Meetings, 12-16 November 2006, Indianapolis, IN.

2003. Predicting wheat yield and quality traits using spatial and environmental models. ASA, CSSA, SSSA International Annual Meetings, 2-6 November 2003, Denver, CO.

1997. Use of remote sensing to determine feasibility of early detection of Russian wheat aphid infestation. ASA Annual Meeting, 26-30 October 1997, Anaheim, CA.

1992. Probability as a basis for barley cultivar selection from on-farm test data. ASA Annual Meeting, 1-6 November, Minneapolis, MN.

1992. Extension without "recommendation": alternative interpretations of on-farm barley cultivar tests. Western Society of Crop Science meeting, 28 June-1 July 1992, Pullman, WA.

1990. Agro climatic zone delimitation using long-term barley yield data. 13th American Barley Research Workshop, 13-17 May 1990, Sacramento, CA.

1990. On-farm testing of additional sorghum cultivars by replacement of replications with additional locations. Genotype-by-Environment Interaction and Plant Breeding Symposium, 12-13 February 1990, Baton Rouge, LA.

1988. Advantages and disadvantages of replications in on-farm tests of sorghum varieties in northern Cameroon. ASA Annual Meeting, 18-22 October 1988, Baltimore, MD.

## **OTHER ACTIVITIES/ACCOMPLISHMENTS – PUBLICATIONS/SCHOLARLY RECORD**

### **Reports to Boards and Projects (12)**

Olsen, D., Nettles-Anderson, S., Johnson, J., and Enjalbert, J.-N. 2010. Straight vegetable oil pilot project for Colorado rural producers. Report to the State of Colorado, Governor's Energy Office.

Johnson, J.J., Enjalbert, J.-N., Schneekloth, J., Helm, A., Malhotra, R., and Coonrod D.K. 2009. Development of oilseed crops for biodiesel production under Colorado limited irrigation conditions. Final Report to the Colorado Water Institute.

Johnson, J., Pardina Malbran, F., Haley, S., and Westfall, D. 2009. Mountain View Harvest/Colorado State University Project: Agronomic Management for Consistent Wheat Quality in Eastern Colorado. Status and Progress Report.

Johnson, J.J., Enjalbert, J.-N., Schneekloth, J., Helm, A., Malhotra, R., and D.K. Coonrod. 2009. Development of oilseed crops for biodiesel production under Colorado limited irrigation conditions. Completion Report No. 211. Colorado Water Institute.

Johnson, J.J., Shay, R., Heng, S., Coonrod, D.K., and Enjalbert, J.-N. 2008. Colorado Department of Agriculture. Colorado Agricultural Value Added Development Board (CAV-ADB) Project: Investigating Straight Vegetable Oil (SVO) as a Diesel Fuel Substitute. Final report to the Colorado Agricultural Value Added Development Board.

Johnson, J.J., Enjalbert, J.-N., Schneekloth, J., Helm, A., Malhotra, R., and Coonrod, D.K. 2008. Development of oilseed crops for biodiesel production under Colorado limited irrigation conditions. Final report to the Colorado Water Institute.

Johnson, J.J., Enjalbert, J.-N., Schneekloth, J., Helm, A., Malhotra, R., and Coonrod, D.K. 2008. Development of oilseed crops for biodiesel production under Colorado limited irrigation conditions. Interim report to the Colorado

Water Institute.

Johnson, J., Pardina Malbran, F., Haley, S., and Westfall, D. 2007. Mountain View Harvest/Colorado State University Project: Agronomic Management for Consistent Wheat Quality in Eastern Colorado. Status and Progress Report.

Johnson, J., Pardina Malbran, F., Haley, S., and Westfall, D. 2007. Mountain View Harvest/Colorado State University Project: Agronomic Management for Consistent Wheat Quality in Eastern Colorado. 2006-2007 Preliminary Trial Results.

Johnson, J., Westfall, D., and Enjalbert, N. 2007. Nutri Turf Oilseed Variety Research Data Report. Anheuser-Busch, Inc. Project: Renewable Fuel Crop Development.

Johnson, J., Malhotra, R., Shay, R., Coonrod, D.K., Enjalbert, J.-N. 2007. Colorado Department of Agriculture. Colorado Agricultural Value Added Development Board (CAV-ADB) Project: Investigating Straight Vegetable Oil (SVO) as a Diesel Fuel Substitute. Interim Report to the Colorado Agricultural Value Added Development Board.

Johnson, J., Pardina Malbran, F., Haley, S., and Westfall, D. 2006. Mountain View Harvest/Colorado State University Project: Agronomic Management for Consistent Wheat Quality in Eastern Colorado. 2005-2006 Preliminary Trial Results.

**Extension Presentations to trade groups, farmers, and the general public**

2016 “Agricultural research, crop variety testing, and on farm testing” University-based Extension: 2nd International Conference on Modern Agricultural Extension and Technology Transfer Colorado State University – Anhui Agricultural University October 2-5, Colorado State University Fort Collins, Colorado, USA

2016. Colorado Wheat Industry Reception. CoBank Center for Agricultural Education, Fort Collins, CO.

2016. Customer Focus Meeting. Central Great Plains Research Station 2016 Customer FocustMeeting, Akron, CO. (Invited)

2016. Highlights of new Colorado wheat varieties. Central Great Plains Research Station 2015 Research Progress Meeting, Akron, CO. (Invited)

2015. Highlights of new Colorado wheat varieties. Central Great Plains Research Station 2014 Research Progress Meeting, Akron, CO. (Invited)

2014. Highlights of new Colorado wheat varieties. Central Great Plains Research Station 2013 Research Progress Meeting, Akron, CO. (Invited)

2013. Highlights of new Colorado wheat varieties. Central Great Plains Research Station 2012 Research Progress Meeting, 24 January 2013, Akron, CO. (Invited)

2011. 2010 Akron Agronomy and Variety Performance Trial Results. Central Great Plains Research Station 2011 Customer Focus and Review of Research Progress, 5 January 2011, Akron, CO. (Invited, 50 attendees)

2010. CSU Biofuel research and extension projects. KFKA Radio Program, Colorado Equipment Program, FarmCast, hosted by Jeremy Weathers, 2 June 2010, Greeley, CO. (Invited, estimated 8,000 listeners)

2010. Wheat variety selection based on 2010 variety trial results. KFKA Radio Program, Colorado Equipment Program, hosted by Bill Angel, 12 August 2010, Greeley, CO. (Invited, estimated 8,000 listeners)

2010. Tour and open house of an on-farm oilseed crushing and biodiesel production plant, 19 November 2010, Chuck Clapper farm, Stratton, CO.

2010. 2010 Grain Sorghum Agronomy and Variety Performance Trial Results. Colorado Ag Classic (joint convention of the Colorado Association of Wheat Growers, the Colorado Corn Growers Association, Colorado Sunflower Administrative Committee and the Colorado Seed Growers Association), 9 December 2010, Loveland, CO. (Invited)

2010. Future of dry bean variety testing. Colorado Dry Bean Administrative Committee, 15 December 2010, ARDEC, Fort Collins, CO. (Invited)

2010. Current spring crop variety trial results and making better decisions. KFKA radio program, Colorado Equipment Program, hosted by Bill Angel, 16 December 2010, Greeley, CO. (Invited, estimated 8,000 listeners)

2009. Making Better Variety Decisions. Collaboration between CSU Crops Testing and the USDA-ARS Central Great Plains Research Station at Akron, 12 February 2009, Central Great Plains Research Station 2009 Review and Advisory Board Meeting, Akron, CO.

2009. Variety testing in Colorado. Presentation to the delegation from Yunnan Academy of Agricultural Sciences, 17 November 2009, Fort Collins, CO.

2009. Jerry Johnson. On-farm testing: What it is and what it isn't. Colorado County Agents Association 2009 Professional Improvement Conference, 18 November, 2009, Salida, CO.

2009. Enhancing Sorghum Improvement in Colorado. 2009 Ag Classic (joint convention of the Colorado Association of Wheat Growers, the Colorado Corn Growers Association, Colorado Sunflower Administrative Committee and the Colorado Seed Growers Association), 10 December 2009, The Ranch, Loveland, CO.

2008. Research progress. Mountain View Harvest Cooperative, 22 February 2008, Fort Collins, CO.

2008. Colorado Seed Growers Association Report. Joint meeting of the Colorado Wheat Research Foundation/Colorado Wheat Cultivar Advisory Committee, 7 April 2008, Fort Collins, CO.

2008. Current biofuel research and extension projects at CSU. KFKA Radio Program, Colorado Equipment program, hosted by Keith Maxey, 26 April 2008, Greeley, CO. (Invited, estimated 8,000 listeners)

2008. Wheat variety selection based on 2008 wheat variety trial results. KFKA Radio Program, Colorado Equipment Program, hosted by Keith Maxey, 9 August 2008, Greeley, CO. (Invited, estimated 8,000 listeners)

2008. Presentation to Colorado Water Institute advisory meeting, 21 November, 2008, Denver, CO.

2008. Presentation to the CSAC Sunflower Research Committee Meeting, 10-11 December, 2008, The Ranch, Loveland, CO. (Invited)

2007. Opportunities for Agronomic Wheat Research in our Wheat-Based Cropping Systems. Colorado Wheat Administrative Committee, Colorado Wheat Research Committee meeting, 13 February 2007, Fort Collins, CO. (Invited)

2005. Colorado working group on oilseed research for four cooperating scientists and Blue Sun Biodiesel representatives, November 2005, Fort Collins, Colorado.

2005. A Whirlwind Tour of Wheat Variety Trials – Where Am I? Colorado Wheat Administrative Committee, 7 April 2005, Fort Collins, CO.

2005. Determining the Latest Day of Planting Using Growing Degree-Days. Colorado Wheat Administrative Committee, 7 April 2005, Fort Collins, CO. (Invited)

2005. Dry Bean Variety Performance in 2005 and the 2006 Testing Proposal. Colorado Dry Bean Administrative Committee board meeting, 24 March 2005, ARDEC, Fort Collins, CO. (Invited)

2005. Update on Observational Agronomy of *Brassica juncea* -2004 Production. Blue Sun Producers, Inc., 27 January 2005, Eaton, CO.

2005. Adjusting Wheat Planting Rates as a Function of Planting Date to Obtain an Optimal Number of Shoots Per Acre. Colorado Wheat Classic (convention of Colorado Association of Wheat Growers), 1 December 2005, Hilton Hotel, Fort Collins, CO.

2005. A Short History of Sunflowers. Colorado State University Cooperative Extension, December 2005, Sterling, CO.

2005. Analyses of Colorado Wheat Variety Trials using Probability and Regression compared to traditional ANOVA. Colorado State University Cooperative Extension, December 2005, Sterling, CO.

2005. Colorado working group on oilseed research (four cooperating scientists and Blue Sun Biodiesel representatives), 6 December 2005, Fort Collins, CO.

2004. Observational Agronomy of *Brassica juncea*. Nebraska extension agents and Blue Sun Biodiesel, 22 November 2004, Fort Morgan, CO.

2004. Indian Brown Mustard. Conference with cooperating scientists from four states (Colorado, Kansas, Nebraska, and Wyoming), November 2004, Sterling, CO.

2004. Bio-Diesel: From the Field to the Tractor. Presentation panel member, High Plains No-Till Conference, 3-4 February, 2004, Greeley, CO.

2004. Determining the Latest Day of Planting Using Growing Degree-Days. Colorado Wheat Administrative Committee, 15 April 2004, Fort Collins, CO.

2004. Predicting Wheat Yield and Quality Traits Using Environmental and Spatial Models. Colorado Wheat

Administrative Committee, 15 April 2004, Fort Collins, CO.

2004. Dry Bean Variety Performance in 2004 and the 2005 Testing Proposal. Colorado Dry Bean Administrative Committee board meeting, 22 November 2004, ARDEC, Fort Collins, CO.

2003. Collaborative On-Farm Testing in Eastern Colorado. 2003. Colorado Wheat Administrative Committee, 10 April 2003, Fort Collins, CO.

2002. Making Hard Variety Decisions in 2002. Colorado Wheat Administrative Committee, 18 April 2002, Fort Collins, CO.

2002. Colorado Wheat Statistics 2001 Handbook, cover design by J. Johnson. Published by Colorado Association of Wheat Growers, Centennial, CO.

2001. Making Even Better Winter Wheat Variety Decisions 2001. Colorado Wheat Administrative Committee's Research Committee, 12 April 2001, Fort Collins, CO.

2001. Winter Wheat Variety Development & Selection, Colorado Wheat Administrative Committee County Meetings, January 2001, 11 locations: Walsh, Burlington, Eads, Cheyenne Wells, Lion, Haxtun, Akron, Yuma, Sterling, Strasburg and Greeley.

2001. Alfalfa History and Variety Selection based on five CSU variety trials. Alfalfa and Forage Management Clinic, 3 January 2001, Sterling, CO.

2001. Sunflower history and hybrid selection for eastern Colorado. Sunflower Management Clinic, 4 January 2001, Sterling, CO.

2000. CSU Crops Testing and Crop Production Extension: Yesterday, Today, and Tomorrow. Extension Forum Research Poster session, September 2000, Fort Collins, CO.

2000. CSU Crops Testing and Crop Production Extension: Yesterday, Today, and Tomorrow. ARDEC Open House, September 2000, Fort Collins, CO.

2000. Sunflower Hybrid Selection and Optimum Date of Planting. Sunflower Field School, August 2000, Akron, CO.

2000. Making Better Winter Wheat Variety Decisions 2000. Colorado Wheat Administrative Committee's Research Committee, June 2000, Fort Collins, CO.

1999. Pinto Bean Variety Selection for Eastern Colorado. Dry Bean Management Clinic, January 1999, Fort Collins, CO.

1999. Status of variety trials, on-farm tests, and MEY trial. Colorado Wheat Administrative Committee's Research Committee, 14 April 1999, Denver, CO.

1999. Panel discussion of current RWA-resistant wheat varieties. Colorado Wheat Administrative Committee's General Assembly, June 1999, Fort Collins, CO.

1999. Making Better Wheat Variety Decisions. Colorado Wheat Administrative Committee's Research Committee, October 1999, Denver, CO.

1998. Making better decisions this year and next, and what we know about Akron. Prairie View chapter Future Farmers of America parent-member banquet, 27 February 1998, New Raymer, CO.

1997. Tough decisions for winter wheat variety testing in Colorado. Research Committee, Colorado Wheat Administrative Committee, 24 August 1997, Denver, CO.

1997. Making better decisions this year, and next. Colorado Wheat Research Committee's Administrative Committee, 9 June 1997, Fort Collins, CO.

1996. Making better decisions. Integrated Crop Management workshop, December 1996, Fort Collins, CO.

1996. Crop testing and varieties. Maximum Economic Yield Club, December 1996, Akron, CO.

1996. Crops testing issues. Morgan County Seed Growers Association, November 1996, Fort Morgan, CO.

1996. Statistics of on-farm testing, presentation and discussion. Colorado retreat for Russian Wheat Aphid entomologists, August 1996, Fort Collins, CO.

1996. Why do we test winter wheat varieties every year? Colorado Wheat Research Committee, Colorado Wheat Administrative Committee, 8 June 1996, Fort Collins, CO.

1995. I love variety testing. Colorado Wheat Research Committee of the Colorado, Wheat Administrative Committee. June 1995, Fort Collins, CO.

1995. Introducing wheat variety testing. Cheyenne County Wheat Administrative Committee winter education program, 12 December 1995, Cheyenne Wells, CO.

1995. CSU corn hybrid testing. Young Corn Growers meeting, 11 December 1995, Fort Morgan, CO.

1995. Potential for varying varieties across the landscape. Precision farming meeting organized by Morgan County Cooperative Extension, 4 December 1995, Fort Morgan, CO.

1995. Improving predictability of wheat variety performance from trial data. Colorado Seed Growers Association, 1 December 1995, Denver, CO.

1995. Wheat variety testing system. Research Committee of Colorado Wheat Administrative Committee, 19 October 1995, Denver, CO.

1995. CSU and sunflower hybrid testing. First crops testing Sunflower Field Day, September 1995, Idalia, CO.

1992. On-Farm Testing of Barley Varieties in Eastern Washington. Adams County Wheat Growers Association meeting, April 1992, Ritzville, WA.

1992. On-Farm Testing of Barley Varieties in Eastern Washington. Lincoln Wheat Growers Association meeting, March 1992, Davenport, WA.

1992. On-Farm Test Results for Barley Varieties in Garfield County. Garfield County Farmers Day, 12 February 1992, Pomeroy, WA.

1992. Results of Barley Variety Drill-Strip Tests: 1990-1991. Great Western Malting Company researchers meetings, March 1992, Spokane, WA.

1991. Barley Variety Drill-Strip Testing. Great Western Malting Company researchers meetings, March 1991, Spokane, WA.

1991. Is There a Role for On-Farm Testing in Variety Evaluation? Washington State University Department of Crop and Soil Sciences graduate seminar, November 1991, Pullman, WA.

### **Colorado State University Field Days**

#### ***213 Wheat Field Day presentations, June annually***

2016, 11 locations: Akron, Yuma, Burlington, Brandon, Lamar, Walsh, Genoa, Orchard, Roggen, Julesburg, and Haxtun

2015, 11 locations: Akron, Yuma, Burlington, Brandon, Lamar, Walsh, Genoa, Orchard, Roggen, Julesburg, and Haxtun

2014, 11 locations: Akron, Yuma, Burlington, Brandon, Lamar, Walsh, Genoa, Orchard, Roggen, Julesburg, and Haxtun

2013, 7 locations: Akron, Burlington, Yuma, Haxtun, Julesburg, Orchard, and Roggen

2012, 11 locations: Walsh, Lamar, Brandon, Burlington, Genoa, Roggen, Yuma, Julesburg, Haxtun, Akron, and Orchard

2011, 11 locations: Walsh, Lamar, Brandon, Burlington, Genoa, Roggen, Yuma, Julesburg, Haxtun, Akron, and Orchard

2010, 10 locations: Walsh, Lamar, Brandon, Burlington, Genoa, Roggen, Yuma, Julesburg, Akron, and Orchard

2009, 10 locations: Walsh, Lamar, Brandon, Burlington, Genoa, Roggen, Yuma, Julesburg, Haxtun, and Akron

2008, 10 locations: Walsh, Lamar, Brandon, Burlington, Genoa, Bennett, Yuma, Julesburg, Haxtun, and Akron

2007, 8 locations: Walsh, Brandon, Burlington, Genoa, Bennett, Yuma, Holyoke and Dailey

2006, 13 locations: Lamar, Walsh, Brandon, Arapahoe, Burlington, Genoa, Akron, Yuma, Julesburg, Haxtun, Bennett, Stratton and Orchard

2005, 12 locations: Plainsman Research Center, Lamar, Brandon, Arapahoe, Burlington, Akron, Yuma, Holyoke, Orchard, Stratton, Genoa and Bennett

2004, 11 locations: Plainsman Research Center, Lamar, Brandon, Burlington, Akron, Yuma, Haxtun, Julesburg, Orchard, Genoa and Bennett

2003, 12 locations: Plainsman Research Center, Lamar, Sheridan Lake, Cheyenne Wells, Burlington, Genoa, Julesburg, Ovid, Orchard, Briggsdale, Bennett, and Akron

2002, 10 locations: Plainsman Research Center, Lamar, Burlington, Cheyenne Wells, Genoa, Haxtun, Julesburg, Orchard, Bennett, and Akron

2001, 12 locations: Plainsman Research Center, Lamar, Sheridan Lake, Burlington, Cheyenne Wells, Genoa, Haxtun, Julesburg, Orchard, Stratton, Bennett, and Akron

2000, 12 locations: Plainsman Research Center, Lamar, Sheridan Lake, Burlington, Cheyenne Wells, Genoa, Akron, Haxtun, Ovid, Orchard, Stratton, and Bennett

1999, 12 locations: Plainsman Research Center, Lamar, Sheridan Lake, Burlington, Cheyenne Wells, Genoa, Akron, Yuma, Orchard, Ovid, Stratton and Bennett

1998, 11 locations: Plainsman Research Center, Lamar, Sheridan Lake, Akron, Yuma, Burlington, Stratton, Genoa, Briggsdale, Ovid, and Bennett

1997, 11 locations: Bennett, Ovid, Briggsdale, Genoa, Stratton, Burlington, Yuma, Akron, Sheridan Lake, Lamar, and Plainsman Research Center

1996, 9 locations: Lamar, Sheridan Lake, Akron, Yuma, Burlington, Genoa, Briggsdale, Ovid and Bennett  
1995, 9 locations: Walsh, Lamar, Sheridan Lake, Burlington, Genoa, Briggsdale, Bennett, Akron and Ovid

**58 Colorado Wheat Planting Decision Meeting presentations, August annually**

2014, 6 locations: Lamar, Burlington, Genoa, Akron, Dailey, and Wiggins

2013, 7 locations: Springfield, Lamar, Burlington, Genoa, Akron, Haxtun, and Wiggins

2012, 5 locations: Burlington Genoa, Akron, Haxtun/Dailey, and Wiggins/Hoyt

2011, 6 locations: Granada, Burlington, Genoa, Akron, Haxtun, and Wiggins

2010, 7 locations: Granada, Brandon, Burlington, Genoa, Akron, Dailey, and Wiggins

2009, 7 locations: Springfield, Eads, Burlington, Genoa, Akron, Dailey, and Wiggins

2008, 7 locations: Springfield, Eads, Burlington, Genoa, Akron, Dailey, and Wiggins

2007, 6 locations: Eads, Lamar, Burlington, Genoa, Akron, Dailey, and Hudson

2006, 7 locations: Vilas, Lamar, Kiowa county, Burlington, Genoa, Akron, and Dailey

**40 Dry Bean Field Day presentations, August annually**

2014, 3 locations: Lucerne, Yuma

2013, 2 locations: Yuma and Lucerne

2012, 2 locations: Yuma and Lucerne

2011, 2 locations: Lucerne and Greeley

2010, 2 locations: Yuma and Greeley

2009, 2 locations: Yuma and Holyoke.

2008, 1 location: Yuma

2007, 2 locations: Proctor and Joes

2006, 2 locations: Burlington and Haxtun

2005, 2 locations: Burlington and Haxtun

2002, 3 locations: Burlington, Proctor, and ARDEC- Fort Collins

2000, 2 locations: Snyder and Berthoud

1998, 5 locations: Eaton, ARDEC-Fort Collins, Wiggins, Burlington, and Yuma

1997, 3 locations: Sterling, Ovid, and Holyoke

1996, 2 locations: Burlington and Yuma

1995, 3 locations: Holyoke, Julesburg, and Brush

**14 Sorghum Field Day presentations, September annually**

2015, 3 locations: Akron, Walsh and Brandon

2014, 3 locations: Akron, Walsh, and Brandon

2012, 2 locations: Walsh and Brandon

2011, 3 locations: Akron, Walsh, and Brandon

2010, 3 locations: Akron, Walsh, and Brandon

2009, 3 locations: Akron, Walsh, and Brandon

**Satellite (DTN) presentations**

1995-2003                    Winter Wheat Variety Performance Trial Results

1995-2003                    Colorado Dry Bean Variety Performance Results

1995-2002                    Colorado Corn and Soybean Performance Trial Results

1996-1999, 2002-2003 Colorado Sunflower Performance Trial Results

1999 Alfalfa Variety Performance Results

**Professional web sites (multiple pages) designed, revised, and maintained 1996-2015**

Crop Variety Performance for Colorado Crops

1996-2015	Winter Wheat Variety Performance Results
1999-2000	Maximum Economic Yield of Irrigated Winter Wheat Project
1996-2015	Dry Bean Variety Performance Results
1996-2007	Colorado Hybrid Corn Silage Performance Results
1996-2015	Eastern Colorado Irrigated Hybrid Corn Grain Performance
1996-2005	Irrigated West Slope Grain Hybrid Corn Performance Results
1996-2015	Dryland Hybrid Grain Corn Performance Results
1996-2015	Hybrid Sunflower Performance Results
1996-2015	Colorado Alfalfa Variety Performance Results
1999-2009	Colorado Soybean Variety Performance Results
2002-2014	Oilseeds Information Page
1996-2010	Spring Wheat, Barley and Oats Variety Performance Results

**Additional activities:**

- 2010. SCC-33/UCTA National Crop Variety Testing Meeting, January 2010, Tampa Bay, FL.
- 2010. Nomination of work study student Roger Tyler for the 2009-10 Student Employee of the Year, Colorado State University.
- Tenure review for Dr. Michael Flowers, Oregon State University
- 2010. Letter of reference for Dr. Duane Johnson for his application for department head of the Department of Plant Sciences at North Dakota State University, March, 2010.
- 2000. Successful nomination of James P. Hain for the Administrative Professional Distinguished Performance Award, Colorado State University, October 2000.
- 2002. Prepared and presented end-of-year slide show for Rocky Mountain High School wrestling team, March 2002.
- 2002. Prepared and presented end-of-year slide show for Rocky Mountain High School volleyball team, November 2002.
- Tear-Down-The-Walls subgroup on oilseed improvement
- Volunteer for the Colorado Science and Engineering Fair
- Worked with Woodland High School students and a teacher on a science fair project
- Email correspondent and advisor to the World Vegetable Center project in Mali, West Africa.
- Initial contact with the Petunia Foundation interested in funding agriculture development activities in Africa.
- Initial discussions for collaborative oilseed research with Chinese agricultural research institutes.
- Continued collaboration with Purpan University (France) for training of crop research and extension interns at CSU.
- Expanded discussion with Canadian bioenergy and oilseed researchers to exchange ideas and problem solving approaches.

**Conferences Attended:**

Industrial Hemp Conference. Denver, CO. July 27-29, 2016.

***CV SECTION 3:***

## **EVIDENCE OF TEACHING AND ADVISING EFFECTIVENESS**

### **TEACHING:**

#### **Other Evidence**

Guest Lectures – 5 (1995-2010 Crop Production, Breeding and International Agriculture)

<b>Year</b>	<b>Semester</b>	<b>Course No./Title</b>	<b>Contact Hrs.</b>	<b>Enrollment</b>	
1995	Fall	SC100 – Crop Production	1	35	Guest Lecture
1995	Fall	SC730 – Plant Breeding Topics	1	8	Guest Lecture
1995	Fall	SC492 – Agronomy Seminar	1	30	Guest Lecture
1996	Fall	SC100 – Crop Production	1	35	Guest Lecture
1999	Spring	SC730 – Plant Breeding Topics	1	5	Guest Lecture
2001	Fall	SC100- Crop Production	1	35	Guest Lecture

Curriculum Development -- 2010-2011, participated with Catherine Keske, Jay Ham, and Joe Brummer in a project to develop an undergraduate curriculum for an interdisciplinary Bioenergy Concentration.

### **ADVISING:**

#### **STUDENT ADVISING/GRADUATE SUPERVISION**

##### **GRADUATE STUDENTS:**

Current Graduate Advisees:

Brian Campbell (MS) (co-advised with Pat Byrne)

Aaron Drenth (PhD) (co-advised with Dan Olsen)

Current Graduate Committee Memberships (excluding those chaired): 0

Graduate Committee Memberships (for past 5 years, not including those above)

1 Plan B

3 MS/MA

Graduate Degrees Completed Under Your Supervision (past 5 years):

Freeborn Garrett Jewett, 2012, MS

Mohammed Navid Sediqi, 2011, MS (co-advised with Pat Byrne)

Sally Sauer, 2011, MS

Jean-Nicolas Enjalbert, 2011, PhD

##### **POSTDOCTORAL STUDENTS/RESEARCH ASSOCIATES:**

Current:

Sally Sauer (research associate)

Jim Hain (research associate)

#### **Descriptions of Mentoring Activities**

Foreign students sponsored for internships:

Jean-Nicolas Enjalbert, École Supérieure d'Agriculture de Purpan, Toulouse, France, graduate student studying for a MS degree in agriculture, doing an internship at CSU in agronomy of oilseed crops; hosted Mr. Enjalbert from spring 2006 to fall 2006. He later enrolled at CSU for a Ph.D. under my direction.

Gaëlle Bergès, École Supérieure d'Agriculture de Purpan, Toulouse, France, graduate student studying for a MS degree in agricultural engineering, doing an internship on the nutritional benefits of camelina oil for human

consumption and cancer prevention; hosted Ms. Berges from spring 2009 to fall 2009. Thesis for Purpan: Potentiels de Camelina Sativa pour la nutrition humaine au Colorado.

### **Other Evidence**

Complete list of graduate service (committees and direct advisees)

<u>Name</u>	<u>Degree, Year</u>	<u>Current Position</u>
Ravi Prakash Sripada	MS, 2001	senior scientist, Monsanto, St. Louis
Thesis: Hybrid advantage in irrigated winter wheat and use of remote sensing imagery to estimate winter wheat grain yield in Colorado		
Federico Pardina-Malbrán	MS, 2004	manager, business analytical services, Deere & Co., Ft. Collins
Thesis: Spatial and environmental modeling of wheat yield and quality in Colorado using on-farm trials and GIS		
Sally Clayshulte	PhD, 2005	manager, North American wheat breeding, Bayer CropScience
Dissertation: Trait associations and allelic diversity at the Xgwm 261, Rht-B1, and Rht-D1 loci in winter wheat		
Syndi Nettles-Anderson	MS, 2010	project management engineer, Florida
non-thesis option		
Nathaniel Douglas	MS, 2011	research engineer at xF Technologies, Albuquerque
Thesis: Extract characteristics of supercritical carbon dioxide extraction of <i>Nannochloropsis oculata</i>		
Mohammed Navid Sediqi	MS, 2011	
Thesis: Adaptability of oilseed species at high altitudes of Colorado and technology transfer to Afghanistan		
Jean-Nicolas Enjalbert	PhD, 2011	plant breeder with private seed company in California
Dissertation: An integrated approach to local based biofuel development		
Sally Sauer	MS, 2011	research associate, Soil and Crop Sciences, CSU
Thesis: Agronomic factors affecting dryland grain sorghum maturity and production in northeast Colorado		
Freeborn Garrett Jewett	MS, 2012	biologist, Environmental Protection Agency, Virginia
Thesis: Camelina variety performance for yield, yield components and oil characteristics		
Andrew Brandess	MS, 2012	financial analyst, Frontier Airlines, Denver
Thesis: Modeling the profitability of <i>Camelina sativa</i> as a biofuel feedstock in eastern Colorado		
Ann Frances Heiliger	MS, 2012	genetics research associate, Cargill, Fort Collins
Thesis: Quantitative trait locus mapping of yield and yield components in canola ( <i>Brassica napus</i> L.) under irrigated and rainfed treatments		

### ***CV SECTION 4: Evidence of Outreach/Service***

#### **COMMITTEES**

##### **University Committees**

Cropping Systems Planning and Reporting Unit (PRU) co-leader, 2016

Administrative Professional Council Representative – College of Agriculture, 1999-2001  
Employment Committee for Administrative Professional Council, 1999-2001

### **College Committees**

Selection committee for CSU Extension Agronomist Sedgewick county, 2014  
Selection committee for biofuels faculty position in the College of Agricultural Sciences, 2010  
Selection committee for Research Associate at Plainsman Research Center, 2010  
Selection committee for CSU Extension Southeast Area agronomist position, 2010  
Team leader, Cooperative Extension Work Team, Wheat-Based Cropping Systems, 2004-2007  
Cooperative Extension selection committee for South Platte Agronomist, 2002  
Cooperative Extension selection committee for Holyoke Agronomist, 2002  
Cooperative Extension selection committee for Lincoln County Agricultural Agent, 2002  
Cooperative Extension selection committee for Adams County Agricultural Agent, 2000-2001  
Cooperative Extension selection committee for Lincoln County Agricultural Agent, 2000-2001  
Cooperative Extension Assistant Director's Advisory committee, 1998-1999  
Cooperative Extension's Role of the Specialist committee, 1998-1999  
Cooperative Extension's classification and promotion committee, 1998-1999  
Geomatics development committee - intercollegiate, 1999  
College of Agriculture GIS/GPS preparedness committee, 1999

### **Department Committees**

Selection committee member for department secretary position, 2007  
External review of ARDEC, member from plant science discipline, 2007  
First Annual Soil & Crop Sciences Homecoming Event Planning Committee member, 2004  
Group leader, Soil & Crop Sciences Research, Extension, and Outreach, 2004  
Department Administrative Council Representative for Extension, 2004-2010  
Department Head Selection Committee Member, 2002-2003  
Soil and Crop Sciences Extension committee, 1995-2010  
Co-Coordinator of the Soil and Crop Sciences Extension group, 2002-2008  
Co-chair, Departmental web page committee, 1999-2007  
Selection committee for Crop Production and Precision Agriculture position, 1999  
Selection committee for Manager Colorado Seed Growers Association position, 1998-1999  
Selection committee for Administrative Assistant for Soil and Crop Sciences Extension Office, 1998  
Research committee for Irrigated Research Foundation at Yuma, 1996-1999  
Cooperative Extension representative to the Colorado Seed Growers Association, 1995-1999  
Foundation Seed Committee (Colorado Experiment Station), 1995-2014  
Chair, Selection committee for Crops Testing Field Technician, 1995

## **PROFESSIONAL AFFILIATIONS AND ACTIVITIES**

### **Professional Societies**

American Society of Agronomy (ASA), 1992-present  
Crop Science Societies of America (CSSA), 1992-present

### **Manuscript Reviewing**

Agronomy Journal (5)  
Canadian Journal of Plant Science (1)  
Crop Science (1)  
Industrial Crops and Products (1)  
Journal of Agricultural and Biological Statistics (1)  
Precision Agriculture Journal (1)  
in-house and pre-submission manuscript peer review (19)

