

## CURRICULUM VITAE

Scott D. Haley

### Personal Information

Date of birth: September 30, 1960  
Place of birth: Seattle, Washington  
Country of citizenship: USA

Office address: Soil and Crop Sciences Dept.  
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### Education

- 1992 Doctor of Philosophy, Colorado State University, Fort Collins, Colorado.  
Agronomy, Specialization in Plant Breeding and Genetics  
*Dissertation:* Selection for chemical desiccation tolerance in winter wheat.
- 1989 Master of Science, Colorado State University, Fort Collins, Colorado.  
Agronomy, Specialization in Plant Breeding and Genetics  
*Thesis:* Variation among winter wheats for traits associated with drought resistance.
- 1983 Bachelor of Science, Washington State University, Pullman, Washington.  
Biology, Specialization in Botany

### Professional Experience

*Professor of Soil and Crop Sciences (7/05-present)*  
*Associate Professor of Soil and Crop Sciences (1/99-6/05)*  
*Wheat Breeding and Genetics*  
*Department of Soil and Crop Sciences, Colorado State University*

- Serve as the project leader for the wheat breeding and genetics program (90% appointment). Major responsibilities include: management of the breeding project; development of hard red and hard white winter wheat cultivars and germplasm; conduct of research related to winter wheat genetic improvement and production; direction of graduate research; procurement of grant funding; and dissemination of research findings.
- Coordinated development and release of 15 improved hard red winter wheat cultivars ('Above', 'AP502 CL', 'Ankor', 'Hatcher', 'Bond CL', 'Protection', 'Ripper', 'Bill Brown', 'Byrd', 'Denali', 'Cowboy', 'LCS Mint', 'Brawl CL Plus', 'Avery', 'Langin'), 5 hard white winter wheat cultivars ('Avalanche', 'Snowmass', 'Thunder CL', 'Antero', 'Sunshine'), and 2 improved germplasm lines (CO960293-2, CO08RWA050).
- As PI or co-PI, secured over \$13 million in research funding since 1999 with 29% of this from Agricultural Experiment Station Funding, 29% from wheat and seed grower groups (including seed royalties), 40% from USDA competitive and non-competitive sources, and 2% from private gift sources. Research undertaken with these funds has included: wheat cultivar development; wheat end-use quality improvement; Russian wheat aphid and wheat stem sawfly resistance; DNA marker discovery and application in marker-assisted selection; improvement of high temperature and drought stress tolerance; novel trait development through TILLING; genomic selection through genotyping by sequencing; doubled haploid line development.

- Teaching appointment (10%) includes academic advisement for undergraduate and graduate students and two alternate-year graduate plant breeding courses (*SOCR720A – Advanced Plant Breeding Methods*; *SOCR720B – Advanced Plant Breeding Tools*).

*Associate Professor of Plant Science (7/97-12/98)*

*Assistant Professor of Plant Science (7/93-6/97)*

*Winter Wheat Breeding and Genetics*

*Plant Science Department, South Dakota State University*

- Conducted research on the genetic improvement of hard red and hard white winter wheat for production in South Dakota and the northern Great Plains.
- Coordinated or participated in development and release of 7 new cultivars ('Tandem', 'Crimson', 'Harding', 'Expedition', 'Wendy', 'Darrell', 'Alice') and co-release of 4 new cultivars in cooperation with the University of Nebraska ('Nekota', 'Pronghorn', 'Windstar', 'Wesley').
- Taught two graduate-level courses in the plant breeding curriculum (*Quantitative Genetics* and *Crop Breeding Techniques*).

*Postdoctoral Research Associate, Dry Edible Bean Breeding and Genetics*

*Department of Crop and Soil Sciences, Michigan State University (1/92-6/93)*

- Conducted research on development of random amplified polymorphic DNA (RAPD) markers for major bean rust and bean common mosaic virus resistance genes in dry edible beans.
- Developed novel strategies for identifying molecular markers linked to major disease resistance genes and utilizing such markers in marker-assisted selection.

*Graduate Research Assistant, Winter Wheat Breeding and Genetics*

*Department of Agronomy, Colorado State University (6/86-12/91)*

- Developed early-generation selection schemes to improve postanthesis drought stress tolerance through genetic improvement of postanthesis chemical desiccation tolerance.
- Assembled a database of traits associated with drought stress tolerance in winter wheat germplasm, useful for breeders and physiologists interested in improvement of drought stress tolerance in the Great Plains region.
- Conducted independent study program to identify restriction fragment length polymorphism (RFLP) markers associated with high-temperature tolerance in wheat.

*U.S. Peace Corps Volunteer/Assistant Cowpea Breeder, U.S. Peace Corps and International Institute of Tropical Agriculture/Semi-Arid Food Grain Research and Development (IITA/SAFGRAD), Ouagadougou, Burkina Faso, West Africa (7/83-12/85)*

- Coordinated *Striga* (parasitic weed) resistance and drought stress tolerance components of national and international cowpea breeding program.
- Trained mid-level agricultural technicians from several African countries in field plot research and analysis techniques.
- Became proficient in two languages, French (written and verbal) and Moré (verbal only).

### **Sabbatical Leave Experiences**

- Visiting Fellow, Leslie Research Centre, Toowoomba, Queensland, Australia (12/05-5/06). Grant funding for visiting fellowship received from Grains Research Development Corporation (GRDC).
- Visiting Scientist, University of Bologna, Bologna Italy, Roberto Tuberosa Lab (12/13-2/14)
- Visiting Scientist, John Innes Centre, Norwich United Kingdom, Cristobal Uauy Lab (3/14-5/14)

## Teaching

- 'Advanced Plant Breeding – Methods', SOCR720A (alternating fall semesters, 2012-present)
- 'Advanced Plant Breeding – Tools', SOCR720B (alternating fall semesters, 2013-present)
- 'Plant Breeding Data Management', SOCR731 (alternating fall semesters, 2001-2012)
- 'Advanced Plant Breeding', SOCR720 (alternating spring semesters, 2000-2011)
- 'Plant Breeding', SOCR460 (alternating spring semesters, 1999-2007)
- 'Plant Breeding Laboratory', SOCR461 (alternating spring semesters, 1999-2003)

## Academic Advising

- Seven M.S. theses, five Ph.D. dissertations supervised.
- Committee member for many plant breeding and genetics, entomology, weed science, and food technology graduate students.
- Academic adviser for multiple undergraduate Agronomy/Plant Genetics majors.

## Publications (complete listing follows)

- Book Chapters: 2
- Refereed Scientific Papers: 97
- Abstracts and Proceedings: 121
- Extension/Experiment Station Bulletins: 58
- Non-Technical (popular) Papers: 40

## Publication Citation Metrics

- |                                       |   |
|---------------------------------------|---|
| - Researcher ID:                      | <a href="http://www.researcherid.com/rid/C-1228-2013">http://www.researcherid.com/rid/C-1228-2013</a> |
| - Total Articles in Publication List: | 79  |
| - Articles With Citation Data:        | 79  |
| - Sum of the Times Cited:             | 1710  |
| - Average Citations per Article:      | 21.65   |
| - h-index:                            | 24  |
| - Last Updated:                       | 3/2/2017  |

## Patents

Ostlie, M., S.D. Haley, P. Westra, V.A. Valdez. Acetyl co-enzyme A carboxylase herbicide resistant plants. U.S. Patent No. 9,578,880. Filing date 01/31/2012, publication date 02/28/2017.

## Leadership and Service

### *Professional Society/Industry*

- Associate Editor – *Journal of Plant Registrations*, Crop Science Society of America (2016-2018)
- Board of Directors, Wheat Quality Council (2016-2018)
- Board of Directors, Borlaug Training Foundation (2014-present)
- Board of Directors, Colorado Seed Growers Association (2002-present)
- Hard Winter Wheat Improvement Committee (1993-present)
- WERA-1009 Regional Committee (*Systems to Improve End-Use Quality of Wheat*; 2001-present)
- Technical Editor - *Crop Science*, Crop Science Society of America (2007-2009)
- Associate Editor - *Crop Science*, Crop Science Society of America (2000-2002)
- G.O. Mott Scholarship Committee (C457), Crop Science Society of America (1995-1997)
- Crop Science Teaching Award Committee (C462), Crop Science Society of America (1997-1999)
- National Wheat Improvement Committee (1998-2004)
- Chair, National Wheat Workers Workshop Organizing Committee (2004)
- Vice-Chair, Hard Winter Wheat Quality Council (2003-2004)
- Secretary, Hard Winter Wheat Quality Council (2004-2005)

- Chair, Hard Winter Wheat Improvement Committee (2001-2004)
- National Karnal Bunt Advisory Committee (2003-2012)
- Ad Hoc Reviewer, USDA-SBIR Grant Program (1995, 1996, 1997, 2002)
- Ad Hoc Reviewer, USDA-NRI Grant Program (1996, 1997, 2002)
- Peer reviewer for *Crop Science*, *Journal of Plant Registrations*, *Agronomy Journal*, *Euphytica*, *Theoretical and Applied Genetics*, *Molecular Breeding*

#### *Department/College*

- Department Scholarship Awards Committee (2017-present)
- Chair, Crop Functional Genomics Professor Search Committee (2014-15)
- Principal Field Agronomist Search Committee (2014-15)
- Crop Physiology Professor Search Committee (2013)
- Chair, Colorado Seed Programs Director Search Committee (2012)
- Soil and Crop Sciences Department Seminar Co-Organizer (2004, 2012)
- Colorado Seed Programs Director Search Committee (2004)
- Soil and Crop Sciences Department Head Search Committee (2003, 2010)
- Agronomy Foundation Seed Committee (1999-present)
- Soil and Crop Sciences Department Internet Committee (2001-2010)
- Soil and Crop Sciences Department Resident Instruction Panel (2001-2004)
- Soil and Crop Sciences Department Research Panel (2002-2004, 2005-2010)
- Soil and Crop Sciences Department Graduate Studies Panel (2004-2011)
- College of Agriculture Computer Technology Information Committee (2003-2010)
- College of Agriculture Web Committee (2004-2010)

#### **Invited Presentations**

- American Bakers Association (June 2017)
- CIMMYT Trainees Lectures (March 2017)
- Colorado Wheat Field Days (annually since 1999)
- Colorado Seed Growers Association annual meeting (annually since 1999)
- Colorado Wheat Planting Decision Meetings (annually since 2003)
- Colorado 2016 Colorado Agricultural Summit (November 2016)
- Achieving Durable Resistance to Wheat Diseases and Pests Meeting (November 2016)
- Colorado Wheat Winter County Election Meetings (2000, 2016)
- CSU Crop Clinic (November 2014)
- CIMMYT Trainees Lecture (March 2014)
- Colorado Wheat Summit (February 2013)
- Wheat Quality Council Annual Meeting (February 2013)
- Colorado Ag Classic Drought Panel (December 2012)
- Hard Winter Wheat Workers Workshop (February 2001)
- South Dakota Field Plot Tours (1993-1998)
- South Dakota Wheat Horizons Conference (1994-1998)
- South Dakota Crop Improvement Association District Meetings (1995, 1997)
- South Dakota Crop and Pest Conference (1997)
- South Dakota Seed Trade Association (1994)

#### **Awards, Honorary and Societal Memberships**

- National Association of Plant Breeders (2015)
- CSU College of Agriculture Team Award (2014)
- Colorado State University Research Foundation Honored Researcher (2001, 2010, 2014)
- Fellow, American Society of Agronomy (2010)

- Fellow, Crop Science Society of America (2010)
- Annual Miller's Award, Hard Winter Wheat Quality Council (1999, 2008, 2010)
- Gerald O. Mott Scholarship, Crop Science Society of America (1991)
- Faculty Memorial Award, Department of Agronomy, Colorado State University (1990)
- Sigma Xi (1991)
- Honor Society of Phi Kappa Phi (1989)
- Honor Society of Agriculture, Gamma Sigma Delta (1987)
- American Society of Agronomy, Crop Science Society of America (1986)

## Complete List of Publications

### *Book Chapters (2)*

Berzonsky, W.A., H. Ding, **S.D. Haley**, M.O. Harris, R.J. Lamb, R.I.H. McKenzie, H.W. Ohm, F.L. Patterson, F.B. Peairs, D.R. Porter, R.H. Ratcliffe, and T.G. Shanower. 2002. Breeding wheat for resistance to insects. p. 221-296. *In* J. Janick (ed.) Plant Breeding Reviews, John Wiley & Sons, Hoboken, NJ.

Aggarwal, V.D., **S.D. Haley**, and F.E. Brockman. 1986. Present status of breeding cowpea for resistance to *Striga* at IITA. p. 176-180. *In* S.J. ter Borg (ed.) Biology and control of Orobanche, Wageningen, Netherlands.

### *Scientific Refereed Papers (97)*

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

Moore, J.K., H.K. Manmathan, V.A. Anderson, J.A. Poland, C.F. Morris, and **S.D. Haley**. 2017. Improving genomic prediction for pre-harvest sprouting tolerance in wheat by weighting large-effect quantitative trait loci. *Crop Sci.* 57:1315-1324.

Beil, C.T., H.K. Manmathan, V.A. Anderson, A. Morgounov, and **S.D. Haley**. 2017. Population structure and genetic diversity analysis of germplasm from the Winter Wheat Eastern European Regional Yield Trial (WWEERYT). *Crop Sci.* 57: 812–820.

Dao, H.Q., P.F. Byrne, S.D. Reid, and **S.D. Haley**. 2017. Validation of quantitative trait loci for grain quality-related traits in a winter wheat mapping population. *Euphytica* 213(1):5.

Tan, C.-T., S. Assanga, G. Zhang, J.C. Rudd, **S.D. Haley**, Q. Xue, A. Ibrahim, G. Bai, X. Zhang, P. Byrne, M.P. Fuentelba, and S. Liu. 2017. Development and validation of KASP markers for Wheat streak mosaic virus resistance gene *Wsm2*. *Crop Sci.* 57:340–349.

Latshaw, S.P., M.F. Vigil, and **S.D. Haley**. 2016. Genotypic differences for nitrogen use efficiency and grain protein deviation in hard winter wheat. *Agron. J.* 108:2201-2213.

Grogan, S.M., G. Brown-Guedira, **S.D. Haley**, G.S. McMaster, S.D. Reid, J. Smith, and P.F. Byrne. 2016. Allelic variation in developmental genes and effects on winter wheat heading date in the U.S. Great Plains. *PLOSOne* 11(4): e0152852.

Grogan, S.M., J. Anderson, P.S. Baenziger, K. Frels, M.J. Guttieri, **S.D. Haley**, Ki-S. Kim, S. Liu, G.S. McMaster, M. Newell, P. V. Vara Prasad, S.D. Reid, K.J. Shroyer, G. Zhang, E. Akhunov, and P.F. Byrne. 2016. Phenotypic plasticity of winter wheat heading date and grain yield across the U.S. Great Plains. *Crop Sci.* 56:2223-2236.

Cooper, J.K., J.A. Stromberger, C.F. Morris, G. Bai, and **S.D. Haley**. 2016. End-use quality and agronomic characteristics associated with the *Glu-B1a1* high-molecular-weight glutenin allele in U.S. hard winter wheat. *Crop Sci.* 56:2348-2353.

Becker, S.R., P.F. Byrne, S.D. Reid, W.L. Bauerle, J.K. McKay, and **S.D. Haley**. 2016. Root traits contributing to drought tolerance of synthetic hexaploid wheat in a greenhouse study. *Euphytica* 207:213-224.

El-Feki, W.M., P.F. Byrne, S.D. Reid, and **S.D. Haley**. 2015. Registration of CO940610/'Platte' wheat doubled haploid mapping population. *J. Plant Reg.* 9:419-423.

- Ostlie, M., **S.D. Haley**, V. Anderson, D. Shaner, H. Manmathan, C. Beil, and P. Westra. 2015. Development and characterization of mutant winter wheat (*Triticum aestivum* L.) accessions resistant to the herbicide quizalofop. *Theor. Appl. Genet.* 128:343-351.
- Valdez, V.A., **S.D. Haley**, F.B. Peairs, L. van Eck, J.E. Leach, and N.L.V. Lapitan. 2014. Virus-induced gene silencing suggests that *(1,3;1,4)-β-glucanase* is a susceptibility factor in the compatible Russian wheat aphid-wheat interaction. *Mol. Plant-Microbe Int.* 27:913-922.
- Edae, E.A., P.F. Byrne, **S.D. Haley**, M. Lopes, and M.P. Reynolds. 2014. Genome wide association mapping of yield and yield components of spring wheat under contrasting moisture regimes. *Theor. Appl. Genet.* 127:791-807.
- Haley, S.D.**, J.J. Johnson, F.B. Peairs, J.A. Stromberger, E.E. Hudson-Arns, S.A. Seifert, R.A. Kottke, V.A. Valdez, J.J. Nachtman, J.B. Rudolph, G. Bai, X. Chen, R.L. Bowden, Y. Jin, J.A. Kolmer, M.-S. Chen, and B.W. Seabourn. 2014. Registration of 'Cowboy' wheat. *J. Plant Reg.* 8:169-172.
- Haley, S.D.**, J.J. Johnson, F.B. Peairs, J.A. Stromberger, E.E. Hudson-Arns, S.A. Seifert, R.A. Kottke, V.A. Valdez, J.B. Rudolph, G. Bai, X. Chen, R.L. Bowden, Y. Jin, J.A. Kolmer, M.-S. Chen, and B.W. Seabourn. 2014. Registration of 'Antero' wheat. *J. Plant Reg.* 8:165-168.
- Liu, S., J.C. Rudd, G. Bai, **S.D. Haley**, A.M.H. Ibrahim, Q. Xue, D.B. Hays, R.A. Graybosch, R.N. Devkota, and P. St. Amand. 2014. Molecular markers linked to genes important for hard winter wheat production and marketing in the U.S. Great Plains. *Crop Sci.* 54:1304-1321.
- Lopez-Vera, E.E., S. Nelson, S. Singh, B.R. Basnet, R.P. Singh, **S.D. Haley**, M.N. Rouse, S. Bhavani, J. Huerta-Espino. 2014. Resistance to Ug99 stem rust in six bread wheat cultivars maps to chromosome arm 6DS. *Theor. Appl. Genet.* 127:231-239.
- Edae, E.A., P.F. Byrne, H. Manmathan, **S.D. Haley**, M. Moragues, M.S. Lopes, and M.P. Reynolds. 2013. Association mapping and nucleotide sequence variation in five drought tolerance candidate genes in spring wheat. *The Plant Genome* 6:1-13.
- El-Feki, W.M., P.F. Byrne, S.D. Reid, N.L.V. Lapitan, and **S.D. Haley**. 2013. QTL mapping for end-use quality traits in hard winter wheat under contrasting soil moisture levels. *Crop Sci.* 53:1953-1967.
- Mortenson, R.A., J. Parsons, D.L. Pendell, and **S.D. Haley**. 2013. Wheat variety selection: an application of portfolio theory in Colorado. *Western Economic Forum.* 11:10-21.
- Haley, S.D.**, J.J. Johnson, F.B. Peairs, J.A. Stromberger, E.E. Hudson, S.A. Seifert, R.A. Kottke, V.A. Valdez, J.B. Rudolph, G. Bai, X. Chen, R.L. Bowden, Y. Jin, J.A. Kolmer, M.-S. Chen, and B.W. Seabourn. 2012. Registration of 'Byrd' wheat. *J. Plant Reg.* 6:302-305.
- Haley, S.D.**, J.J. Johnson, F.B. Peairs, J.A. Stromberger, E.E. Hudson, S.A. Seifert, R.A. Kottke, V.A. Valdez, J.B. Rudolph, G. Bai, X. Chen, R.L. Bowden, Y. Jin, J.A. Kolmer, M.-S. Chen, and B.W. Seabourn. 2012. Registration of 'Denali' wheat. *J. Plant Reg.* 6:311-314.
- Haley, S.D.**, J.J. Johnson, P.H. Westra, F.B. Peairs, J.A. Stromberger, E.E. Hudson, S.A. Seifert, R.A. Kottke, V.A. Valdez, J.B. Rudolph, G. Bai, X. Chen, R.L. Bowden, Y. Jin, J.A. Kolmer, M.-S. Chen, and B.W. Seabourn. 2012. Registration of 'Brawl CL Plus' wheat. *J. Plant Reg.* 6:306-310.
- Lu, H., R. Kottke, R. Devkota, P. St. Amand, A. Bernardo, G. Bai, P. Byrne, T.J. Martin, **S.D. Haley**, and J. Rudd. 2012. Consensus-mapping and identification of markers for marker-assisted selection of *Wsm2* in wheat. *Crop Sci.* 52:720-728.
- Valdez, V.A., P.F. Byrne, N.L.V. Lapitan, F.B. Peairs, A. Bernardo, G. Bai, and **S.D. Haley**. 2012. Inheritance and genetic mapping of Russian wheat aphid resistance in Iranian landrace accession PI 626580. 2011. *Crop Sci.* 52:676-682.
- Nkongolo, K.K., **S.D. Haley**, J.S. Quick, and F.B. Peairs. 2011. Registration of six wheat-rye addition lines resistant to the Russian wheat aphid. *J. Plant Reg.* 5:426-429.
- Longchamps, L., R. Khosla, M. Naser, M. Moragues, and **S.D. Haley**. 2011. Active remote sensing for rapid evaluation of apparent nitrogen use efficiency in winter wheat (*Triticum aestivum* L.) genotypes. p. 533-543. *In*

J.V. Stafford (ed.) Proceedings of the 8th European Conference on Precision Agriculture, Prague, Czech Republic, July 11-14, 2011.

Beyer, B.M., **S.D. Haley**, N.L.V. Lapitan, J.H. Peng, and F.B. Peairs. 2011. Inheritance of Russian wheat aphid resistance from tetraploid wheat accessions during transfer to hexaploid wheat. *Euphytica* 179:247–255.

**Haley, S.D.**, J.J. Johnson, F.B. Peairs, J.A. Stromberger, E.E. Heaton, S.A. Seifert, R.A. Kottke, J.B. Rudolph, G. Bai, R.L. Bowden, M.-S. Chen, X. Chen, Y. Jin, J.A. Kolmer, R. Chen, and B.W. Seabourn. 2011. Registration of 'Snowmass' wheat. *J. Plant Reg.* 5:1-4.

Chao, S., J. Dubcovsky, J. Dvorak, M.-C. Luo, P.S. Baenziger, R. Matnyazov, D.R. Clark, L.E. Talbert, J.A. Anderson, S. Dreisigacker, K. Glover, J. Chen, K. Garland-Campbell, P.L. Bruckner, J.C. Rudd, **S.D. Haley**, B.F. Carver, S. Perry, M.E. Sorrells, and E.D. Akhunov. 2010. Population- and genome-specific patterns of linkage disequilibrium and SNP variation in spring and winter wheat (*Triticum aestivum* L.). *BMC Genomics* 11:727.

Zheng, S., P.F. Byrne, **S.D. Haley**, X. Shan, and S.D. Reid. 2010. Glutenin allelic variation and 1AL.1RS effects on dough mixing properties of wheat grown in irrigated and rainfed environments. *Euphytica* 176:357-369.

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

Zheng, S., P.F. Byrne, G. Bai, X. Shan, S.D. Reid, **S.D. Haley**, and B.W. Seabourn. 2009. Association analysis reveals effects of wheat glutenin alleles and rye translocations on dough-mixing properties. *J. Cer. Sci.* 50:283-290.

Nkongolo, K.K., **S.D. Haley**, N.S. Kim, P. Michael, G. Fedak, J.S. Quick, and F.B. Peairs. 2009. Molecular cytogenetic and agronomic characterization of advanced generations of wheat x triticale hybrids resistant to *Diuraphis noxia* (Mordvilko): Application of GISH and microsatellite markers. *Genome* 52:353-360.

Peng, J.H., Y. Bai, **S.D. Haley**, and N.L.V. Lapitan. 2009. Microsatellite-based molecular diversity of bread wheat germplasm and association mapping of wheat resistance to the Russian wheat aphid. *Genetica* 135:95-122.

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

Ibrahim, A.M.H., **S.D. Haley**, P. S. Baenziger, Y. Jin, M.A.C. Langham, J. Rickertsen, S. Kalsbeck, R. Little, J. Ingemansen, O.K. Chung, B.W. Seabourn, G.H. Bai, M.-S. Chen, and D.V. McVey. 2008. Registration of 'Alice' wheat. *J. Plant Reg.* 2:110-114.

Ibrahim, A.M.H., **S.D. Haley**, P. S. Baenziger, Y. Jin, M.A.C. Langham, J. Rickertsen, S. Kalsbeck, R. Little, J. Ingemansen, O.K. Chung, B.W. Seabourn, G.H. Bai, M.-S. Chen, and D.V. McVey. 2008. Registration of 'Darrell' wheat. *J. Plant Reg.* 2:115-119.

Pearson, T., D. Brabec, and **S.D. Haley**. 2008. Color image based sorter for separating red and white wheat. *Sens. & Instrumen. Food Qual.* 2:280–288.

Weiland, A.A., F.B. Peairs, T.L. Randolph, J.B. Rudolph, **S.D. Haley**, and G.J. Puterka. 2008. Biotypic diversity in Colorado Russian wheat aphid (Hemiptera: Aphididae) populations. *J. Econ. Entomol.* 101:569-574.

Clayshulte, S.R., **S.D. Haley**, P.F. Byrne, and X. Shan. 2007. Trait associations at the *Xgwm 261* and *Rht-B1* loci in two winter wheat recombinant inbred line populations. *Crop Sci.* 47:2346-2355.

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

Hesler, L.S., **S.D. Haley**, K.K. Nkongolo, and F.B. Peairs. 2007. Resistance to *Rhopalosiphum padi* (Homoptera: Aphididae) in triticale and triticale-derived wheat lines with resistance to *Diuraphis noxia* (Homoptera: Aphididae). *J. Entomol. Sci.* 42: 217-227.

- Peng, J., H. Wang, **S.D. Haley**, F.B. Peairs, and N.L.V. Lapitan. 2007. Molecular mapping of Russian wheat aphid resistance gene *Dn2414* in wheat. *Crop Sci.* 47:2418-2429.
- Shan, X., S.R. Clayshulte, **S.D. Haley**, and P.F. Byrne. 2007. Variation for glutenin and waxy alleles in U.S. hard winter wheat germplasm. *J. Cer. Sci.* 45:199-208.
- Burd, J.D., D.R. Porter, G.J. Puterka, **S.D. Haley**, and F.B. Peairs. 2006. Biotypic variation among North American Russian wheat aphid (Homoptera: Aphididae) populations. *J. Econ. Entomol.* 99:1862-1866.
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