

## Publications

### Refereed Journals and Book Chapters:

Blake, T., Blake, V., and Wiersma, J.J. (2014). Barley. In: *Yield gains in major U.S. field crops*; Smith, S., Diers, B., Specht, J. and Carver, B. Eds.; *CSSA Special Publication 33*; Crop Science Society of America, Madison, WI; 487p.

Crane, J.M., and G.C. Bergstrom. 2014. Spatial distribution and antifungal interactions of a *Bacillus* biological control agent on wheat surfaces. *Biological Control*: 78:23-32.

Crane, J.M., M.E. Frodyma, and G.C. Bergstrom. 2014. Nutrient-induced spore germination of a *Bacillus* biocontrol agent on wheat spikes. *J. Applied Microbiology*. doi:10.1111/jam.12480.

DeVuyst, E.A., Edwards, J., Hunger B., and Weaver, L. 2014. Insecticide and fungicide wheat seed treatment improves wheat grain yields in the U.S. southern plains. *Crop Management* 13(1):1-5 (doi:10.2134/CM-2013-0039-RS)

Felice, L.J., Jordan, N.R., Dill-Macky, R., Sheaffer, C.C., Aldrich-Wolfe, L., Huerd, S.C., and Jin, F., Bai, G.-H., Zhang, D.-D., Dong, Y.-H., Ma, L.-J., Bockus, W., and Dowell, F. 2014. *Fusarium*-damaged kernels and deoxynivalenol in *Fusarium*-infected U.S. winter wheat. *Phytopathology* 104:472-478.

Keller, M.D., G.C. Bergstrom, and E.J. Shields. 2014. The aerobiology of *Fusarium graminearum*. *Aerobiologia* DOI 10.1007/s10453-013-9321-3

Kinkel, L.L. (2014). Soil Streptomyces communities in a prairie establishment reflect interactions between soil edaphic characteristics and plant host. *Plant and Soil*, DOI 10.1007/s11104-014-2243-1.

Kuhnem, P.R., E.M. Del Ponte, Y. Dong, and G.C. Bergstrom. 2015. *Fusarium graminearum* isolates from wheat and maize in New York show similar range of aggressiveness and toxigenicity in cross-species pathogenicity tests. *Phytopathology* First Look <http://dx.doi.org/10.1094/PHYTO-07-14-0208-R> • posted 10/22/2014.

Kuhnem, P.R., P. Spolti, E.M. DelPonte, J.A. Cummings, and G.C. Bergstrom. 2015. Trichothecene genotype composition of *Fusarium graminearum* not differentiated among isolates from maize stubble, maize ears, wheat spikes, and the atmosphere in New York. *Phytopathology* First Look <http://dx.doi.org/10.1094/PHYTO-07-14-0208-R> • posted 10/22/2014

Liu, S., Yang, X., Zhang, D., Bai, G., Chao, S., and Bockus, W. 2014. Genome-wide association analysis identified SNPs closely linked to a gene resistant to *Soil-borne wheat mosaic virus*. *Theoretical and Applied Genetics* 127:1039-1047.

Nelson BA, Ramaiya P, Lopez de Leon A, Kumar R, Crinklaw A, Jolkovsky E, Crane JM, Bergstrom GC, Rey MW. 2014. Complete genome sequence for the *Fusarium* head blight antagonist *Bacillus amyloliquefaciens* strain TrigoCor 1448. *Genome Announc.* 2(2):e00219-14.doi:10.1128/genomeA.00219-14.

Peiris, K. H. S., Dong, Y., Bockus, W. W., and Dowell, F. E. 2014. Single-kernel near-infrared analysis for evaluating wheat samples for *Fusarium* head blight resistance. *Cereal Chemistry* 91:35-40.

Seifers, D. J., Wegulo, S. N., Hein, G. L., Byamukama, E., De Wolf, E. D. and Langham, A. C. 2014. Biological properties of isolates of Triticum mosaic virus from the Great Plains state of the USA. *Canadian Journal of Plant Pathology* DOI:10.1080/07060661.2014.924928

Shah, D. A., De Wolf, E. D., Paul, P. A., Madden, L. V. 2014. Predicting *Fusarium* head blight epidemics with boosted regression tree. *Phytopathology* 104:702-714.

Spolti, Pierri, Emerson M. Del Ponte, Jaime A. Cummings, Yanhong Dong, and Gary C. Bergstrom. 2014. Fitness attributes of *Fusarium graminearum* isolates from wheat in New York possessing a 3-ADON or 15-ADON trichothecene genotype. *Phytopathology* 104: 513-519.

Spolti, Pierri, Emerson M. Del Ponte, Yanhong Dong, Jaime A. Cummings, and Gary C. Bergstrom. 2014. Assessment of triazole sensitivity in a contemporary population of *Fusarium graminearum* from New York wheat fields and competitiveness of a tebuconazole-resistant isolate. *Plant Disease* 98: 607-613.

Thompson, N.M., Epplin, F., Edwards, J.T., and Hunger, R.M. 2014. Economics of foliar fungicides for hard red winter wheat in the USA southern Great Plains. *Crop Protection* 59:1-6

Willyerd, K., Bradley, C.A., Chapara, V.R., Conley, S.P., Esker, P.D., Madden, L.V., Wise, K.A., Paul, P. A. 2015. Plant Dis. Revisiting fungicide-based management guidelines for leaf blotch diseases in soft red winter wheat. (Accepted; In Press)

Stanton, J.L., Curland, R.D., Ishimaru, C.A., Smith, M.J., and Dill-Macky, R. (2014). Developing inoculation methods for screening wheat for reaction to *Xanthomonas translucens* pv. *undulosa* (Bacterial leaf streak). *Phytopathology*, **104**(Suppl. 3):S3.113.

### **Peer-reviewed Technical Publications:**

Bockus, W. W., and De Wolf, E. D. 2014. Effects of planting date, cultivar, and imidacloprid seed treatment on barley yellow dwarf of winter wheat, 2013. (online) *Plant Disease Management Reports* 8:CF026. DOI:10.1094/PDMR08. The American Phytopathological Society, St. Paul, MN.

- Bockus, W. W., and Gaunce, G. 2014. Reaction of selected Kansas winter wheat cultivars to barley yellow dwarf, 2013. (online) Plant Disease Management Reports 8:CF003. DOI:10.1094/PDMR08. The American Phytopathological Society, St. Paul, MN.
- Bockus, W. W., Davis, M. A., and De Wolf, E. D. 2014. Evaluation of foliar fungicides for control of tan spot of winter wheat, 2013. (online) Plant Disease Management Reports 8:CF004. DOI:10.1094/PDMR08. The American Phytopathological Society, St. Paul, MN.
- Bockus, W. W., De Wolf, E., and Wegulo, S. N. 2014. Effect of Prosaro fungicide application on Fusarium head blight in eight winter wheat cultivars, 2013. (online) Plant Disease Management Reports 8:CF005. DOI:10.1094/PDMR08. The American Phytopathological Society, St. Paul, MN
- Bockus, W. W., Zhang, G., Fritz, A., Davis, M., Baenziger, P., and Berzonsky, W. 2014. Reaction of Kansas, Nebraska, and South Dakota winter wheat accessions to Fusarium head blight (FHB), 2013. (online) Plant Disease Management Reports 8:CF025. DOI:10.1094/PDMR08. The American Phytopathological Society, St. Paul, MN.
- Cummings, J.A., G.C. Bergstrom, R.J. Richtmyer III, and R.R. Hahn. 2014. Evaluation of a biological control agent for management of Fusarium head blight and foliar diseases of winter wheat in New York, 2013. Plant Disease Management Reports 8CF028.
- Cummings, J.A., G.C. Bergstrom, R.J. Richtmyer III, and R.R. Hahn. 2014. Evaluation of foliar fungicides for control of Fusarium head blight and foliar diseases of winter wheat in New York, 2012. Plant Disease Management Reports 8:CF027.
- Cummings, J.A., G.C. Bergstrom, R.J. Richtmyer III, and R.R. Hahn. 2014. Evaluation of integrated methods for management of Fusarium head blight and foliar diseases of winter wheat in New York, 2012. Plant Disease Management Reports 8:CF037.
- Grachet, N.G., Hunger, R.M., Olson, B.R., Walker, R., and Edwards, J. 2014. Early season fungicide application to manage powdery mildew on winter wheat in Oklahoma, 2013. Plant Disease Management Reports 8:CF033
- Hunger, R.M., Grachet, N.G., Olson, B.R., Walker, R., and Edwards, J. 2014. Management of powdery mildew and leaf spot diseases on winter wheat in Oklahoma, 2013. Plant Disease Management Reports 8:CF032
- Kleczewski, N.M., 2015. Effect of foliar fungicides and timings on powdery mildew and tan spot in Maryland, 2014. Plant Disease Management Reports. Accepted.
- Kleczewski, N.M., 2015. Effect of Palisade and fungicide timings on powdery mildew and tan spot in Maryland, 2014. Plant Disease Management Reports. Report. Accepted.
- Kleczewski, N.M., 2015. Effect of Prosaro and *F. graminearum* application timing on Fusarium Head Blight in Delaware, 2014. Plant Disease Management Reports. Accepted.

Ruden, K.R., Redenius, G.S., and Byamukama, E. 2014. Management of Fusarium head blight with fungicides in spring wheat in South Dakota 2013. *Plant Dis. Manag. Rep.* 8:CF019. Online publication. doi: 10.1094/PDMR08.

Smith, D.L., Chapman, S., and Conley, S.P. 2015. Evaluation of foliar fungicides for control of diseases of wheat in Wisconsin, 2014. *PDMR Accepted*.

### **Cultivar and Germplasm Releases:**

Anderson, J.A., J.J. Wiersma, G.L. Linkert, S. Reynolds, J.A. Kolmer, Y. Jin, R. Dill-Macky G.A. Hareland. (2014). Registration of ‘Rollag’ wheat. *Journal of Plant Registrations* (accepted 11/18/2014).

Bernardo, A., Bai, G., Yu, J., Kolb, F., Bockus, W., and Dong, Y. 2014. Registration of near-isogenic winter wheat germplasm contrasting in *Fhb1* for Fusarium head blight resistance. *Journal of Plant Registrations* 8:106-108.

Hunger, R.M, Edwards, J.T., Bowden, R.L., Yan, L., Rayas-Duarte, P., Bai, G., Horn, G.W., Kolmer, J.A., Giles, K.L., Chen, M.-S., Jin, Y., Osburn, R.D., Bayles, M.B., Seabourn, B.W., Klatt, A.R., and Carver, B.F. 2014. ‘Billings’ wheat combines early maturity, disease resistance, and desirable grain quality for the southern Great Plains, USA. *Journal of Plant Registrations* 8:22-31 (doi10.3198/jpr2012.11.0053crc)

### **Extension and Other Outreach Publications:**

Anderson, J.A., Wiersma, J.J., Reynolds, S., Green, M., Caspers, R., Kolmer, J., Jin, Y., Dill Appel, J. A., De Wolf, E., Todd, T., and Bockus, W. W. 2014. Preliminary 2014 Kansas Wheat Disease Loss Estimates. Kansas Cooperative Plant Disease Survey Report. (<http://agriculture.ks.gov/docs/default-source/PP-Disease-Reports-2014/2014-ks-wheat-disease-loss-estimates.pdf>)

Bockus, W. W., Baenziger, P. S., Berzonsky, W., Caffè, M., Davis, M. A., Fritz, A. K., Marais, G., Ranson, J., Wegulo, S. N., and Zhang, G. 2014 Hard winter wheat scab nurseries – 2006 to the present. *Fusarium Focus* 14:7.

Byamukama E., Ali, S., Fanning, B., and Langham, M. Bacterial leaf streak and black chaff of wheat. Fact sheet.

Byamukama E., and Fanning B. Scout for root/crown rot diseases in wheat. Published 7/3/2014. [iGrow.org](http://iGrow.org).

Byamukama, E. The National Fusarium Prediction Center is up and running. Published 6/19/2014. [iGrow.org](http://iGrow.org).

Byamukama, E. Tan spot & *Wheat streak mosaic virus* developing in some winter wheat fields. Published 5/29/2014. iGrow.org.

Byamukama, E. Wheat head diseases beginning to develop. Published 6/19/2014.

Byamukama, E., and Fanning B. Planning fungicide seed treatment for winter wheat. Published 8/21/2014. iGrow.org.

Byamukama, E., and Fanning, B. Winter wheat diseases update: Scout for fungal diseases. Published 6/5/2014. iGrow.org.

Byamukama, E., and Graham, C. Root rots could be contributing to poor wheat establishment. Published 5/22/2014. iGrow.org.

Byamukama, E., Fanning, B., and Ali, S. Is fungicide applied with herbicide profitable? Dollars and cents of early fungicide application in wheat. Published 5/8/2014. iGrow.org.

Byamukama, E., Todey, D., and Ali, S. The Small Grains Disease Forecasting System could save producers money. Published 5/15/2014. iGrow.org.

Conley, S., Roth, A., Gaska, J., and Smith, D. 2014. A3868 - Wisconsin Winter Wheat Performance Tests. UW Extension - Cooperative Extension Service. University of Wisconsin.

De Wolf, E. D. 2014. Foliar fungicide efficacy ratings for wheat disease management, 2014. Kansas State University Agricultural Experiment Station and Cooperative Extension Service. Pub. No. EP130.

De Wolf, E. D. 2014. Seed treatment fungicides for wheat disease management, 2012. Kansas State University Agricultural Experiment Station and Cooperative Extension Service. Pub. No. MF2955.

De Wolf, E. D., and Shroyer, J. P. 2014. Wheat Disease Identification. Kansas State University Agricultural Experiment Station and Cooperative Extension Service. Pub. No. MF2994.

De Wolf, E. D., Bockus, W. W., and Whitworth, J. R. 2014. Wheat variety disease and insect ratings, 2014. Kansas State University Agricultural Experiment Station and Cooperative Extension Service. Pub. No. MF991.

Edwards, J.T., R. Kochenower, S.R. Calhoun, M.W. Knori, R.P. Lollato, G. Cruppe, B. Carver, and R. Hunger. 2014. Oklahoma Small Grains Variety Performance Tests 2013-2014. OCES CR 2143

Fanning, B., and Byamukama, E. Harvesting scab (FHB) infected wheat. Published 7/17/2014. iGrow.org.

Fanning, B., and Byamukama, E. Your wheat had ergot, so what about next year? Published 8/28/2014. iGrow.org.

Fanning, B., Byamukama, E., and Strunk, C. 2014. Cleaning ergot from wheat. Published 8/21/2014. iGrow.org.

Friskop, A. 2014. Bacterial Leaf Streak in Wheat. North Dakota State University Crop and Pest Report. No. 9.

Friskop, A. 2014. Delayed Wheat Planting: Fungicide Seed Treatments vs. High Plant Population. North Dakota State University Crop and Pest Report. No. 4.

Friskop, A. 2014. Fusarium Head Blight (Scab) Forecasting Models. North Dakota State University Crop and Pest Report. No. 10.

Friskop, A. 2014. Fusarium Head Blight Risk. North Dakota State University Crop and Pest Report. No. 9.

Friskop, A. 2014. IPM Survey – Cereal Disease Update. North Dakota State University Crop and Pest Report. No. 10.

Friskop, A. 2014. IPM Survey – Disease Update. North Dakota State University Crop and Pest Report. No. 8.

Friskop, A. 2014. IPM Survey – Small Grain Disease Report. North Dakota State University Crop and Pest Report. No. 9.

Friskop, A. 2014. IPM Survey – Small Grain Disease Update. North Dakota State University Crop and Pest Report. No. 14.

Friskop, A. 2014. IPM Survey and Wheat Scab. North Dakota State University Crop and Pest Report. No. 7.

Friskop, A. 2014. IPM Survey: Disease Report. North Dakota State University Crop and Pest Report. No. 6.

Friskop, A. 2014. Scab (FHB) Update. North Dakota State University Crop and Pest Report. No. 12.

Friskop, A. 2014. Scab Risk for Flowering Wheat. North Dakota State University Crop and Pest Report. No. 8.

Friskop, A. 2014. Scab Risk in Late-Planted Spring Wheat. North Dakota State University Crop and Pest Report. No. 14.

Friskop, A. 2014. Wheat Disease Update. North Dakota State University Crop and Pest Report. No. 5.

Friskop, A. 2014. Wheat Disease Update. North Dakota State University Crop and Pest Report. No. 12.

Friskop, A., Chapara, V., Pederson, S., and Ransom, J. High Levels of DON Being Reported in Small Grains. North Dakota State University Crop and Pest Report. No. 16.

Hunger, B., and J. Edwards. 2014. Foliar fungicides and wheat production in Oklahoma–April, 2014. OCES CR-7668

Kelly, H. M. 2014. Disease Management in Winter Wheat. Presented Feb. 11, 2015 at the Tennessee Agricultural Production Association (TAPA) meeting.

Kelly, H. M. 2014. Scabby Wheat Showing Up – May 30, 2014. University of Tennessee Field Crops newsletter/blog – [News.UTcrops.com](http://News.UTcrops.com)

Kelly, H. M. 2014. Wheat Diseases – Updates and Management Options – May 5, 2014. University of Tennessee Field Crops newsletter/blog – [News.UTcrops.com](http://News.UTcrops.com)

Kleczewski, N.M. 2014. Fungicide Resistance in *Fusarium graminearum*: why you shouldn't worry. Mid-Atlantic Regional Agronomist Quarterly Newsletter 9(4) pp21-23.

Kleczewski, N.M. Fusarium Head Blight Management in Wheat. University of Delaware Cooperative Extension Factsheet. 2014. Available at: <http://extension.udel.edu/factsheet/>

Kleczewski, N.M., 2014. Mid-Atlantic Field Crops Disease Management Blog, 8 articles on small grains disease management. Located at <http://extension.udel.edu/fieldcropdisease/>

Kleczewski, N.M., Mehl, H. *et al.* 2015. Pest Management Guide: Field Crops. Virginia Tech Cooperative Extension (updated annually). (Available online at: <http://pubs.ext.vt.edu/456/456-016/456-016.html>)

Lingenfelter, J., Bockus, W., De Wolf, E., Fritz, A., Knapp, M., Whitworth, J., Adee, E., Cramer, G., Kimball, J., Nelson, R., Evans, P. Kusel, K., Zhang, G., Spangler, M., Schlegel, A., Seaman, C., Chen, M., Miller, R., Knopf, J. and Shroyer, J. 2014. Wheat Performance Tests with Winter Wheat Varieties: Report of Progress. Kansas Agricultural Experiment Station; No. 1108

Macky, R., and Ohm, J. (2014). 2014 Hard red spring wheat. In: *2014 Minnesota Field Crop*

Markell, S. and Friskop, A. Rust Review. North Dakota State University Crop and Pest Report. No. 12.

Ransom, J. and Friskop, A. Timing of Fungicides for Scab Control in Wheat and Barley. North Dakota State University Crop and Pest Report. No. 8.

Raper, T. 2014. Managing Wheat for Top Yields and Grain Quality. Presented Jan. 29 & Feb. 5, 2015 at the Middle and West Tennessee Grain Conference. Available [online](#).

Raper, T. 2014. Tennessee Wheat Quick Facts Publication. W321 – available [online](#)

Six extension videos posted at <http://wheat.okstate.edu/extension-videos>. These include (number in parentheses is total number of hits prior to 2014/total number of hits prior to 2015) Wheat streak mosaic and similar mite-transmitted diseases of wheat (154/381); Fusarium head scab: Causes and identification (774/1,388); Fungicides and wheat (307/383); Wheat soilborne mosaic and wheat spindle streak mosaic virus (302/435); Barley yellow dwarf virus of wheat (655/880); Wheat foliar disease (654/1,050)

Smith, D.L. 2014. Wisconsin Winter Wheat Disease Update – April 16, 2014. Wisconsin Field Crops Pathology Blog/Wisconsin Crop Manager – April 23.

Smith, D.L. 2014. Wisconsin Winter Wheat Disease Update – June 19, 2014. Wisconsin Field Crops Pathology Blog/Wisconsin Crop Manager – June 19.

Smith, D.L. 2014. Wisconsin Winter Wheat Disease Update – June 2, 2014. Wisconsin Field Crops Pathology Blog/Wisconsin Crop Manager – June 2.

Smith, D.L. 2014. Wisconsin Winter Wheat Disease Update – June 24, 2014. Wisconsin Field Crops Pathology Blog/Wisconsin Crop Manager – June 24.

Smith, D.L. 2014. Wisconsin Winter Wheat Disease Update – June 27, 2014. Wisconsin Field Crops Pathology Blog/Wisconsin Crop Manager – June 27.

Smith, D.L. 2014. Wisconsin Winter Wheat Disease Update – June 6, 2014. Wisconsin Field Crops Pathology Blog/Wisconsin Crop Manager – June 6.

Smith, D.L. and Proost, R. 2014. Fact Sheet: What's on your seed? UW Extension - Cooperative Extension Service. University of Wisconsin.

Smith, D.L., and Conley, S.P. 2014. Fusarium Head Blight and Other Winter Wheat Diseases in Wisconsin, 2014. Wisconsin Field Crops Pathology Blog/Wisconsin Crop Manager – July 11.

Smith, K.P., Schiefelbein, E., Wiersma, J.J., Dill-Macky, R., Smith, M.J., and Steffenson, B.J. (2014). 2014 Barley. In: *2014 Minnesota Field Crop Trials*. Minnesota Agricultural Experiment Station Publication MP 121-2015. University of Minnesota, St. Paul, MN. *Trials*. Minnesota Agricultural Experiment Station Publication MP 121-2015. University of Minnesota, St. Paul, MN.

Wiersma, J.J., Anderson, J.A., and Green, M. (2014). 2014 Hard red winter wheat. In: *2014 Minnesota Field Crop Trials*. Minnesota Agricultural Experiment Station Publication MP 121 2015. University of Minnesota, St. Paul, MN.



Wiersma, J.J., Caspers, R., Dill-Macky, R., and Green, M. (2014). 2014 Oat. In: *2014 Minnesota Field Crop Trials*. Minnesota Agricultural Experiment Station Publication MP 121 2015. University of Minnesota, St. Paul, MN.

Wise, K and Woloshuk, C. 2014. Dealing with DON in wheat. *Purdue Pest & Crop Newsletter*. Issue 12

Wise, K. 2014. Fusarium Head Blight (Scab) management in wheat. *Purdue Pest & Crop Newsletter*. Issue 6.

Wise, K. 2014. Head scab risk in wheat. *Purdue Pest & Crop Newsletter*. Issue 7.

Wise, K. 2014. Managing wheat by growth stage. *Purdue Pest & Crop Newsletter*. Issue 2.

### **Abstracts and Presentations:**

Adhikari, A., Dill-Macky, R., Wiersma, J.J., and Smith M.J. (2014). Fungicides as a first line of defense for effective control of stem rust in hard red spring wheat. *Phytopathology*, **104**(Suppl. 3):S3.8.

B.S. Gill, B. S., Cainong, J. C., Feng, Y., Chen, P.D., Qi, L. L., Danilova, T., Koo, D-H., Sehgal, S. K., Bockus, W.W., and Freibe, B. 2014. Chromosome engineering and next generation sequencing assisted transfer and deployment of alien grass species resistance to FHB in wheat. *Proceedings of the 2014 National Fusarium Head Blight Forum* (p. 54). St. Louis, MO, WI: U.S. Wheat & Barley Scab Initiative.

Bai, Guihua, Cai, Jin, Su, Zhengqi, St Amand, Paul, Bernardo, Amy, Bockus, William, Baenziger, Stephen, Carber, Brett, Fritz, Allan, Berzonsky, William, and Marais, Francois. 2014. Using marker-assisted selection to improve hard winter wheat FHB resistance. *Proceedings of the 2014 National Fusarium Head Blight Forum* (p. 74). St. Louis, MO, WI: U.S. Wheat & Barley Scab Initiative.

Bergstrom, Gary C. and Pierri Spolti. 2014. Triazole sensitivity in populations of *Fusarium graminearum*: Preliminary findings, needed research, and implications for management. Page 2 in S. Canty, A. Clark, N. Turcott, and D. Van Sanford (Eds.) *Proc. 2014 National Fusarium Head Blight Forum*, East Lansing MI/Lexington, KY: U.S. Wheat and Barley Scab Research Initiative.

Byamukama E., Ruden, K., Hall, L., Kirby, K., and Caffè, M. 2014. Evaluation of oat cultivars for crown rust resistance. 1st McFadden Symposium. Brookings South Dakota.

Clinesmith, Marshall A., Bockus, William, Fritz, Allan, and Poland, Jesse A. 2014. Mapping of quantitative trait loci for FHB and DON resistance in a doubled haploid population of Everest × Art. *Proceedings of the 2014 National Fusarium Head Blight Forum* (p. 79). St. Louis, MO, WI: U.S. Wheat & Barley Scab Initiative.

Cummings, J.A., and G.C. Bergstrom. 2014. Evaluation of integrated methods for managing FHB and DON in winter wheat in New York in 2014. Pages 7-10 in S. Canty, A. Clark, N. Turcott, and D. Van Sanford (Eds.) Proc. 2014 National Fusarium Head Blight Forum, East Lansing MI/Lexington, KY: U.S. Wheat and Barley Scab Research Initiative.

Dill-Macky, R., Dong, Y., Van Sanford, D., Knott, C. and De Wolf, E. 2014. Examination of commercial grain samples to ascertain how deoxynivalenol contamination exceeded anticipated levels in some 2014 wheat crops for western Kentucky. In: S. Canty, A. Clark, N. Turcott and D. Van Sanford (Eds.), Proceedings of the 2014 National Fusarium Head Blight Forum (pp.13). East Lansing, MI/Lexington, KY: U.S. Wheat & Barley Scab Initiative.

Dill-Macky, R., Dong, Y., Van Sanford, D.A., Knott, C.A., and De Wolf, E. (2014). Examination of commercial grain samples to ascertain how deoxynivalenol contamination exceeded anticipated levels in some 2014 wheat crops from western Kentucky. In: *Proceedings of the 2014 National Fusarium Head Blight Forum*, St. Louis, Missouri, USA, December 7-9, 2014, pp. 13-14.

Dill-Macky, R., Elakkad, A.M., Muehlbauer, G.J., Li, X., Dahleen, L.S., Skadsen, R.W., Bregitzer, P.P., McLaughlin, J.E., and Tumer, N.E. (2014). Testing transgenic spring wheat and barley lines for reaction to Fusarium head blight: 2014 field nursery report. In: *Proceedings of the 2014 National Fusarium Head Blight Forum*, St. Louis, Missouri, USA, December 7-9, 2014, pp. 52-53.

Dill-Macky, R., Van Sanford, D.A., and Knott, C.A. (2014). Examination of commercial grain samples to ascertain how deoxynivalenol contamination exceeded anticipated levels in some 2014 wheat crops from western Kentucky. NJF Seminar 478, Nordic-Baltic Fusarium Seminar, Helsinki FINLAND, November 18-19, 2014. Nordic Association of Agricultural Scientists, *NJF Report*, **9**:30.

Felice, L.J., Dill-Macky, R., and Kinkel, L.L. (2014). Effects of carbon amendments on pathogen-inhibitory soil Streptomyces. *Phytopathology*, **104**(Suppl. 3):S3.39.

Friskop, A.J., Brueggeman, R.S., McMullen, M.P., Gross, P.L., Ransom, J.K., Halley, S.A., Gautam, P., Dill-Macky, R., Osborne, L.E., Ruden, K.R., and Paul, P.A. (2014). The Effectiveness of an integrated strategy to manage Fusarium head blight in barley production using a meta-analysis approach. In: *Proceedings of the 2014 National Fusarium Head Blight Forum*, St. Louis, Missouri, USA, December 7-9, 2014, p. 15.

Grabow, B. S. and De Wolf, E. D. 2014. Effects of temperature and moisture on the infection of wheat by *Puccinia triticina* under field conditions in Kansas. *Phytopathology* 104(Suppl. 3):S3.47.

Graf Grachet, N., R.M. Hunger, M.E. Payton, and J. Edwards. 2014. Variation in the reaction of hard red winter wheat cultivars to common root rot and spot blotch. Annual meeting of the American Phytopathological Society, Madison, WI, Aug 2014 (abstract)

Gross, P., Friskop, A., Ransom, J., and Brueggeman, R. 2014. The use of integrated management strategies to lower FHB DON in barley. Proceedings of the 2014 National Fusarium Head Blight Forum, Dec. 7-9, 2014, St. Louis, MO. US Wheat and Barley Scab Initiative publishers, East Lansing, MI/Lexington, KY

Haugen, S., Wiersma, J.J., and Smith, M.J. (2014.) Evaluation of fungicides for control of stem rust in the Upper Midwest. 2014 National Conference for Undergraduate Research, University of Kentucky, Lexington, KY. April 3-5, 2014.

Li, X., Shin, S., Heinen, S.J., Dill-Macky, R., Berthiller, F., Clemente, T.E., McCormick, S.P., Chao, S., and Muehlbauer, G.J. (2014). Transgenic wheat and barley carrying a barley UDP-glucosyltransferase exhibit high levels of *Fusarium* head blight resistance. In: *Proceedings of the 2014 National Fusarium Head Blight Forum*, St. Louis, Missouri, USA, December 7-9, 2014, p. 57.

Muehlbauer, G.J., Li, X., Shin, S., Huang, Y., Boddu, J., Schweiger, W., McCormick, S.P., Dill-Macky, R., Clemente, T.E., Berthiller, F., and Adam, G. (2014). Developing transgenic wheat and barley that exhibit resistance to *Fusarium graminearum* via glucoside conjugation of trichothecene mycotoxins. In: *Proceedings of the 2014 National Fusarium Head Blight Forum*, St. Louis, Missouri, USA, December 7-9, 2014, p. 59.

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