

Publications:

Peer reviewed journal articles:

Crane, J.M., D.M. Gibson, R.H. Vaughan, and G.C. Bergstrom. 2013. Iturin levels on wheat spikes linked to biological control of Fusarium head blight by *Bacillus amyloliquefaciens*. *Phytopathology* 103:146-155.

Cruz, C. D., Bockus, W. W., Stack, J. P., Tang, X., Valent, B., Pedley, K. F., and Peterson, G. L. 2012. Preliminary assessment of resistance among U.S. wheat cultivars to the *Triticum* pathotype of *Magnaporthe oryzae*. *Plant Dis.* 96:1501-1505.

Edwards, J.T., Hunger, R.M., Smith, E.L., Horn, G.W., Chen, M-S., Yan, L., Bai, G., Bowden, R.L., Klatt, A.R., Rayas-Duarte, P., Osburn, R.D., Giles, K.L., Kolmer, J.A., Jin, Y., Porter, D.R., Seabourn, B.W., Bayles, M.B., and Carver. B.F. 2012. 'Duster' wheat: A durable, dual-purpose cultivar adapted to the southern Great Plains of the USA. *Journal of Plant Registrations* 6:1-12

Edwards, J.T., Hunger, R.M., and Payton, M.E. 2012. Agronomic and economic response of hard red winter wheat to foliar fungicide in the southern Plains. Online. *Crop Management* doi:10.1094/CM-2012-0730-01-RS

Hunger, R.M., Olson, B.R., Walker, R., and Edwards, J. 2012. Control of powdery mildew and leaf rust on winter wheat in Oklahoma, 2011. *Plant Disease Management Reports* 6:CF024

McMullen, M., Bergstrom, G., De Wolf, E., Dill-Macky, R., Hershman, D., Shaner, G., and Van Sanford, D. 2012. A unified effort to fight an enemy of wheat and barley: Fusarium head blight. Feature Article, *Plant Disease* 96: 1712-1278.

Peiris, K, Bockus, W., and Dowell, F. 2012. Infrared spectral properties of germ, pericarp, and endosperm sections of sound wheat kernels and those damaged by *Fusarium graminearum*. *Applied Spectroscopy* 66:1053-1060.

Willyerd, K.T., Li, C., Madden, L., Bradley, C.A., Bergstrom, G.A., Sweets, L., McMullen, M.P., Ransom, J., Grybauskas, A., Osborne, L.E., Wegulo, S., Hershman, D.E., Wise, K.A., Bockus, W.W., Groth, D., Dill-Macky, R., Milus, E.A., Esker, P., Waxman, K., Adee, E.A., Ebelhar, S., Young, B.G., and Paul, P.A. 2012. Efficacy and Stability of Integrating Fungicide and Cultivar Resistance to Manage Fusarium Head Blight and Deoxynivalenol in Wheat. *Plant Disease* 96: 957-967.

Zhang, X., Bai, G., Bockus, W., Ji, X., and Pan, H. 2012. Quantitative trait loci for Fusarium head blight resistance in U.S. hard winter wheat cultivar Heyne. *Crop Science* 52:1187-1194.

## Abstracts:

Ali, S., M. Eldakak, P. Gautam, K. Glover, J. S. Rohila, J. Gonzalez, and W. Berzonsky. 2012. *Gibberella zeae* chemotype diversity on moderately FHB resistant wheat genotypes in South Dakota. Proceedings of the 2012 National Fusarium Head Blight Forum (pp. 115-117). East Lansing, MI/Lexington, KY: U.S. Wheat & Barley Scab Initiative.

Bergstrom, G.C. 2012. New insights on cereal debris management for the reduction of head blight and mycotoxins. Abstract 22.3, Page 39 in: Proceedings of the 7<sup>th</sup> International IPM Symposium, Memphis, TN [[www.ipmcenters.com/ipmsymposium12](http://www.ipmcenters.com/ipmsymposium12)]

Bergstrom, G.C., J.A. Cummings, K.D. Waxman, C.A. Bradley, A.L. Hazelrigg, D.E. Hershman, M. Nagelkirk, L.E. Sweets and S.N. Wegulo. 2012. Effects of local corn debris management on FHB and DON levels in fourteen U.S. wheat environments in 2011 and 2012. Proceedings of the 2012 National Fusarium Head Blight Forum, Orlando, FL, December 4-6, 2012. P. 5-6.

Cummings, J.A., K.D. Waxman, and G.C. Bergstrom. 2012. Evaluation of integrated methods for managing FHB and DON in winter wheat in New York in 2011. Pages 13-15 in Proc. 2012 National Fusarium Head Blight Forum, Wyndham Orlando Resort, Orlando, FL, Dec 4-6, 2012.

Gatlin, J.C., Hunger, R.M., Olson, J.D., and Lancaster, S.H. 2012. Evaluation of different enzyme-linked immunosorbent assay test kits for detection of wheat spindle streak mosaic virus. Poster presented at the annual meeting of the ASA-CSSA-SSSA in Cincinnati, OH, Oct 2012.

McMullen, M., Bergstrom, G., Cummings, J., Jochum, C., Yuen, G., Bleakley, B.H., Murthy, N.K.S., and Ruden, K. 2012. Uniform tests of biological control agents for management of FHB and DON, 2012. Page 21 in: S. Canty, A. Clark, A. Anderson-Scully and D. Van Snaford (eds). Proc. 2012 National Fusarium Head Blight forum, Dec. 4-6, 2012. Orlando, FL. East Lansing, MI/ Lexington, KY.

McMullen, M., Friskop, A., Jordahl, J., Meyer, S., Bergstrom, G., Bradley, C.A., Dill-Macky, R., Smith, M., Wiersma, J., Halley, S., Arens, A., Milus, G., Ruden, K., and Schatz, B. 2012. Uniform fungicide trial results for management of FHB and DON, 2012. Page 19-20 in: S. Canty, A. Clark, A. Anderson-Scully and D. Van Snaford (eds). Proc. 2012 National Fusarium Head Blight forum, Dec. 4-6, 2012. Orlando, FL. East Lansing, MI/ Lexington, KY.

Ruden, K.R., G.S. Redenius, K.D. Glover and J.L. Kleinjan. 2012. "2012 Uniform Fungicide Performance Trials for the Suppression of Fusarium Head Blight in South Dakota." In: S. Canty, A. Clark, A. Anderson-Scully and D. Van Sanford (Eds.), Proceedings of the 2011 National Fusarium Head Blight Forum (pp. 23-24). East Lansing, MI/Lexington, KY: U.S. Wheat & Barley Scab Initiative.

Spolti, P., E.M. Del Ponte, and G.C. Bergstrom. 2012. The 3-ADON and 15-ADON genotypes of *Fusarium graminearum* in New York are not discriminated by pathogenic or sexual reproductive fitness. Page 124 in Proc. 2012 National Fusarium Head Blight Forum, Wyndham Orlando Resort, Orlando, FL, Dec 4-6, 2012.

Sweets, L. E. 2012. Integrated management strategies for Fusarium head blight of soft red winter wheat in Missouri: summarization of six years of trial data. Proceedings of the 2012 National Fusarium Head Blight Forum, Orlando, FL, December 4-6, 2012. P.27-28.

Willyerd, K., K. Ames, G. Bergstrom, C. Bradley, J. Cummings, P. Gross, L. Madden, J. Ransom, K. Ruden, J.D. Salgado, L. Sweets, K. Wise, and P. Paul. 2012. Uniform FHB integrated management trials: a summary from 2012. Proceedings of the 2012 National Fusarium Head Blight Forum, Orlando, FL, December 4-6, 2012. P.29-33.

Peer reviewed technical reports:

Bockus, W. W., Cruz, C. C., Kalia, B., Gill, B. S., Stack, J. P., Pedley, K. F., Peterson, G. L. and Valent, B. 2012. Reaction of selected accessions of *Aegilops tauschii* to wheat blast, 2011. (online) Plant Disease Management Reports 6:CF005. DOI:10.1094/PDMR06. The American Phytopathological Society, St. Paul, MN.

Bockus, W. W., De Wolf, E., and Wegulo, S. N. 2012. Effect of fungicide application on Fusarium head blight in eight winter wheat cultivars, 2011. (online) Plant Disease Management Reports 6:CF004. DOI:10.1094/PDMR06. The American Phytopathological Society, St. Paul, MN.

Bockus, W. W., Baenziger, P. S., and Berzonsky, W. 2012. Reaction of Kansas, Nebraska, and South Dakota winter wheat accessions to Fusarium head blight (FHB), 2011. (online) Plant Disease Management Reports 6:CF003. DOI:10.1094/PDMR06. The American Phytopathological Society, St. Paul, MN.

Bockus, W. W., Davis, M. A., and De Wolf, E. D. 2012. Evaluation of foliar fungicides for control of tan spot of winter wheat, 2011. (online) Plant Disease Management Reports 6:CF002. DOI:10.1094/PDMR06. The American Phytopathological Society, St. Paul, MN.

Bockus, W. W., and Davis, M. A. 2012. Reaction of selected Kansas winter wheat cultivars to barley yellow dwarf, 2011. (online) Plant Disease Management Reports 6:CF001. DOI:10.1094/PDMR06. The American Phytopathological Society, St. Paul, MN.

Cultivar/germplasm releases:

Carver, B.F., Hunger, R.M., Edwards, J., Porter, D. Rayas-Duarte, P., Klatt, A., Yan, L., and Martin, B. 'Gallagher' hard red winter wheat. 2012. Released by the Oklahoma Agricultural Experiment Station (OAES)

Carver, B.F., Hunger, R.M., Edwards, J., Porter, D. Rayas-Duarte, P., Klatt, A., Yan, L., and Martin, B. 2012. 'Iba' hard red winter wheat. Released by the OAES

Extension articles and publications:

Allen, T.W. 2012. Stripe rust detected in Mississippi wheat. February 6, 2012. Mississippi Crop Situation Blog.

Allen, T.W. 2012. Wheat leaf rust and stripe rust update: March 2, 2012. Mississippi Crop Situation Blog.

Allen, T.W. 2012. Wheat disease update: March 29, 2012. Mississippi Crop Situation Blog.

Allen, T.W. 2012. Current wheat rust situation: April 12, 2012. Mississippi Crop Situation Blog.

Allen, T.W. 2012. Septoria leaf blotch, stagonospora leaf and blume blotch, and bacterial leaf streak of wheat. April 15, 2012. Mississippi Crop Situation Blog.

Allen, T.W. 2012. Choosing winter wheat varieties with tolerance to leaf and stripe rust. August 6, 2012. Mississippi Crop Situation Blog.

Appel, J. A., De Wolf, E., Bockus, W. W., and Todd, T. 2012. Preliminary 2012 Kansas Wheat Disease Loss Estimates. Kansas Cooperative Plant Disease Survey Report. ([http://www.ksda.gov/includes/document\\_center/plant\\_protection/Plant\\_Disease\\_Reports/2012KSWheatDiseaseLossEstimates.pdf](http://www.ksda.gov/includes/document_center/plant_protection/Plant_Disease_Reports/2012KSWheatDiseaseLossEstimates.pdf))

Bradley, Kevin, Laura E. Sweets, Wayne C. Bailey, and J. Allen Wrather. 2012. 2013 Missouri pest management guide: corn, grain sorghum, soybean, winter wheat, rice and cotton. University of Missouri Extension publication M171. 200 pp.

De Wolf, E. D., Bockus, W. W., and Whitworth, J. R. 2012. Wheat Variety Disease and Insect Ratings 2012. Kansas Cooperative Extension Service publication MF-991. 4 pp.

Edwards, J.T., Kochenower, R., Austin, R., Lollato, R., Carver, B., and Hunger, R. 2012. 2012 Wheat Crop Overview. OCES CR-2143

Edwards, J., Hunger, B., Carver, B., and Royer, T. 2012. 2012 Wheat Variety Comparison, OCES PSS-2142

Fanning, R., C. Strunk and K.Ruden. 2012. "South Dakota Wheat Fungicide Recommendations. SDSU Extension Service-iGrow. 24 p. Online at <http://igrow.org/up/resources/03-3008-2012.pdf>

Hunger, B., and J. Edwards. 2012. Foliar fungicides and wheat production in Oklahoma – April, 2012. CR-7668

Larson, E., and Allen, T.W. 2012. 2012 MSU Short list of suggested wheat varieties. August 25, 2012. Mississippi Crop Situation Blog.

Lingenfelter, J., Bockus, B., DeWolf, E., Fritz, A., Knapp, M., Whitworth, J., Adee, E., Heer, W., Kimball, J., Nelson, R., Evans, P., Kusel, K., Martin, T. J., Schlegel, A., Seaman, C., Spangler, M., Zhang, G., Chen, M., Chen, R., Knopf, J., Miller, R., and Shroyer, J. 2012 Performance Tests. Pages 6-30 in: 2012 Kansas Wheat Seed Book. Kansas State University Agricultural Experiment Station and Cooperative Extension Service Report of Progress No. 1072. 52 pp.

Ruden, K. 2012. "Managing Crop Diseases with Seed Treatments." SDSU Extension Service-iGrow. 24 p. Online at <http://igrow.org/up/resources/03-3001-2012.pdf> .

Ruden, K. 2012. "Managing Crop Diseases with Fungicides." SDSU Extension Service-iGrow. 36 p. Online at <http://igrow.org/up/resources/03-3005-2012.pdf> .

Wise, K. 2012. Rust diseases present in Indiana wheat. Purdue Pest & Crop Newsletter. Issue 2

Wise, K. 2012. Tools available to monitor the risk of Fusarium Head Blight (Scab) in Indiana wheat Purdue Pest & Crop Newsletter. Issue 2.

Wise, K. 2011. Wheat disease update. Purdue Pest & Crop Newsletter. Issue 5.

Wise, K. 2011. Be on the lookout for a new wheat disease. Purdue Pest & Crop Newsletter. Issue 6.