

## Publications NCERA-184 2011

Publications with an "\*" indicate multiple members of the NCERA-184 committee where authors on the publication.

\*Bockus, W. W., De Wolf, E. D., Gill, B. S., Jardine, D. J., Stack, J. P., Bowden, R. L., Fritz, A. K., and Martin, T. J. 2011. Historical durability of resistance to wheat diseases in Kansas. *Plant Health Progress*. Doi:10.1094/PHP-2011-0802-01-RV (KAES #10-329-J).

Bockus, W. W., Friebe, B., and Gill, B. S. 2011. Reaction of winter wheat accessions containing *Fhb3* and selected cultivars to *Fusarium* head blight, 2010. *Plant Disease Management Reports* (online). Report 5:CF006. DOI:10.1094/PDMR05. The American Phytopathological Society, St. Paul, MN.

\*Bockus, W. W., Davis, M. A., and De Wolf, E. D. 2011. Evaluation of foliar fungicides for control of tan spot and leaf rust of winter wheat, 2010. *Plant Disease Management Reports* (online). Report 5:CF007. DOI:10.1094/PDMR05. The American Phytopathological Society, St. Paul, MN.

Bockus, W. W., and Davis, M. A. 2011. Reaction of selected Kansas winter wheat cultivars to barley yellow dwarf, 2010. *Plant Disease Management Reports* (online). Report 5:CF005. DOI:10.1094/PDMR05. The American Phytopathological Society, St. Paul, MN.

Bockus, W. W., Baenziger, P. S., and Berzonsky, W. 2011. Reaction of Kansas, Nebraska, and South Dakota winter wheat accessions to *Fusarium* head blight (FHB), 2010. *Plant Disease Management Reports* (online). Report 5:CF008. DOI:10.1094/PDMR05. The American Phytopathological Society, St. Paul, MN.

\*Bockus, W. W., De Wolf, E., and Wegulo, S. N. 2011. Effect of fungicide application on *Fusarium* head blight in eight winter wheat cultivars, 2010. *Plant Disease Management Reports* (online). Report 5:CF009. DOI:10.1094/PDMR05. The American Phytopathological Society, St. Paul, MN.

Bockus, W. W., Davis, M. A., Fritz, A. K., and Martin, T. J. 2011. Reaction of the 2010 Kansas Intrastate Nursery to *Fusarium* head blight. *Plant Disease Management Reports* (online). Report 54:CF010. DOI:10.1094/PDMR05. The American Phytopathological Society, St. Paul, MN.

Gale, L. R., Harrison, S. A, Ward, T. J., O'Donnell, K., Milus, E. A., Gale, S. W., and Kistler, H. C. 2011. Nivalenol-type populations of *Fusarium graminearum* and *F. asiaticum* are prevalent on wheat in southern Louisiana. *Phytopathology*

Gurung, S., Goodwin, S. B., Kabbage, M., Bockus, W. W., and Adhikari, T. B. 2011. Genetic differentiation at microsatellite loci among populations of

*Mycosphaerella graminicola* from California, Indiana, Kansas and North Dakota. *Phytopathology* 101:1251-1259.

Hershman, D. and B. Kennedy. 2011. Evaluation of fungicides for control of foliar diseases and Fusarium head blight of winter wheat in Kentucky, 2010. *Plant Disease Management Reports* 5:CF012.

Hershman, D. and B. Kennedy. 2011. Effect of fungicide and time of application on Fusarium head blight and foliar disease development of winter wheat in Kentucky, 2010. *Plant Disease Management Reports* 5:CF013. 101:124-134.

Horevaj, P., Gale, L. R., and Milus, E. A. 2011. Resistance in winter wheat lines to initial infection and spread within spikes by deoxynivalenol and nivalenol chemotypes of *Fusarium graminearum*. *Plant Dis.* 95:31-37.

Horevaj, P., Milus, E.A., and Bluhm, B. 2011. A real-time qPCR assay to quantify *Fusarium graminearum* biomass in wheat kernels. *Journal of Applied Microbiology* 111:396-406.

Hunger, R.M., Olson, B.R., Walker, R., and Edwards, J. 2011. Control of powdery mildew, stripe rust, and leaf rust on winter wheat in Oklahoma, 2010. *Plant Disease Management Reports* 5:CF016.

Noriel, A.J., Sun, X., Bockus, W., and Bai, G. 2011. Resistance to tan spot and insensitivity to Ptr ToxA in wheat. *Crop Sci.* 51:1059-1067 (KAES #11-041-J).

Padgett, G.B., Purvis, M.A., and Price, P. 2012. An evaluation of selected fungicides on leaf rust development in Louisiana wheat, 2011. *Plant Disease Management Reports* (online). Report CF013. DOI:10.1094/PDMR05. The American Phytopathological Society, St. Paul, MN.

Padgett, G.B. and Purvis, M.A. 2012. The impact of Headline, Twinline, or Priaxor on leaf rust epidemics in Louisiana wheat, 2011. *Plant Disease Management Reports* (online). Report CF014. DOI:10.1094/PDMR05. The American Phytopathological Society, St. Paul, MN

\*Wegulo, S. N., Bockus, W. W., Hernandez Nopsa, J., De Wolf, E. D., and Eskridge, K. M., Peiris, K. H. S., and Dowell, F. E. 2011. Effects of integrating cultivar resistance and fungicide application on Fusarium head blight and deoxynivalenol in winter wheat. *Plant Dis.* 95:554-560

\*Willyerd, K.T., Madden, L.V., Bradley, C.A., Bergstrom, G., Sweets, L., McMullen, M., Ransom, J., Grybauskas, A., Osborne, L., Wegulo, S., Hershman, D., Wise, K., Bockus, W., Padgett, G., Esker, P., Dill-Macky, R., Milus, E., and Paul, P.A. 2011. Efficacy and stability of integrating fungicide and cultivar

resistance to manage Fusarium head blight and deoxynivalenol in wheat. *Plant Dis.* 96:957-967.

\*Zhang, D., Bai, G., Hunger, R.M., Bockus, W.W., Yu, J., Carver, B.F., and Brown-Guedira, G. 2011. Association study of resistance to *Soilborne wheat mosaic virus* in U.S. winter wheat. *Phytopathology* 101:1322-1329.

### **Extension Publications:**

McMullen, M. and Adhikari, T. 2011. Bacterial leaf streak and black chaff of wheat. NDSU Ext. Circular PP-1566. 2 pg.

McMullen, M. and Markell, S. 2011. 2012 ND Field Crop Fungicide Guide. NDSU Ext. Circular PP-622 (revised) 68 p.

2011: contributor to: Stem Rust Management. NDSU Ext. Circular PP-1550. Regional publication of multiple Universities; Editor: DeWolf, E., Kansas State University.

Contributor to: Wheat Disease Identification. NDSU Ext. Circular PP-1552. Regional publication of multiple Universities. Editor: DeWolf, E., Kansas State University.

Hunger, B., Edwards, J., Royer, T., and Giles, K. 2011. Effect of planting date and seed treatment on diseases and insect pests of wheat. OCES CR 7088.

Edwards, J.T., Kochenower, R., Austin, R., Ladd, J., Carver, B., Hunger, R., Butchee, J., Andrews, C., and Lollato, R. 2011. Oklahoma Small Grains Variety Performance Tests 2010-2011. OCES CR 2143.

Harrison, S.A., Arceneaux, K., Bell, B., Boquet, G., Colyer, P.D., Mildred, D., Harrell, D., Hayes, J., Leonards, J., Mascagni, H., Moore, S., Padgett, B., Purvis, M., Regan, R., Schexnayder, G., Viator, H.P., and Williams, G. 2011. Small grain performance trials. LAES Research Summary. No 178.

Hershman, D. 2011. Fungicide Use in Wheat. PPFs-AG-SG-5.

Hershman, D. 2011. Black "Sooty" Head Mold of Wheat. PPFs-AG-SG-07.

Hershman, D. 2011. The Importance of Scouting Wheat for Plant Diseases. PPFs-AG-SG-12

Hershman, D. 2011. Pre-Plant Decisions Greatly Impact Disease Potential in Wheat. PPFs-AG-SG-06.

