



Austrian-American Educational Commission

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CV and Intercountry Lectureship Questionnaire

Name: Clay Sneller
Grant Period: 2012, summer
U.S. Institution: Ohio State University
Austrian Host Institution: BOKU
e-mail address: sneller.5@osu.edu

Academic Discipline: Plant breeding, statistical genetics, wheat

Areas of Research: I develop improved varieties of wheat, study the genetics of wheat traits, particularly resistance to Fusarium Head Blight, and research applications of genome-wide analysis to crop improvement

Possible Lecture Topics: Plant breeding, association analyses, genomic selection

Lecturing in the following languages: English

Academic Training and Degrees: BS (Ohio State University, MS and PhD (Michigan State University)

Previous Positions: Associate Professor and Associate Chair

Publications (selected):

- Guedira, M, G. Brown-Guedira, D. Van Sanford, C. Sneller, E. Souza, and D. Marshall. 2010. Distribution of *Rht* genes in modern and historic winter wheat cultivars from the eastern and central USA. *Crop Sci.* doi: 10.2135/cropsci2009.10.0626
- Sneller, C.H., D. Mather, and S. Crepieux. 2009. Analytical approaches and populations types for finding and utilizing QTL in complex plant populations. *Crop Sci.* 49:363-380.
- J. Bensom, G. Brown-Guedira, JP Murphy, and C Sneller. 2012. Population Structure, Linkage Disequilibrium, and Genetic Diversity in Soft Winter Wheat Enriched for Fusarium Head Blight Resistance. *Crop Science* (in review)
- Sneller, C.H., R.L. Nelson, T. Carter Jr., Z. Cui. 2005. Genetic Diversity in Crop Improvement: The Soybean Experience. *In: Genetic and Production Innovations in Field Crop Technology: New Developments in Theory and Practice* (ed: Manjit Kang) Hawthorne Press, Inc. (also in *Jour. Crop Improvement* 14:103-144)

- Sneller, CH, M Guttieri, P Paul, G Broders, and R Jackwood. 2011. Variation for resistance to kernel infection and toxin accumulation in wheat lines infected with *Fusarium graminearum*. *Phytopathology* (In press)
- Sneller, C, P Paul, and M Guttieri. 2010. Characterization of resistance to Fusarium Head Blight in an Eastern US soft red winter wheat population. *Crop Science* 50:123-133.
- Souza, E., M. Guttieri, A Sturbaum, C Sneller. 2011. Nutritional Profile of Whole Grain Soft Wheat Flour. *Cereal Chem.* (in press)
- Souza, C Sneller, MJ Guttieri, A Sturbaum, C Griffey, M Sorrells, H Ohm, and D Van Sanford. 2011. Basis for Selecting Soft Wheat for End-Use Quality *Crop Science* (in press)
- Smith, N., E. Souza, M. Guttieri, M. Sorrells, and C. Sneller. 2011. Identification and Validation of QTL for Grain Quality Traits in a Cross of Soft Wheat Cultivars Pioneer Brand 25R26 and Foster. *Crop Sci.* 51:1424-1436
- Guttieri, M., EJ Souza, and C. Sneller. 2011. Laboratory Milling Method for Whole Grain Soft Wheat Flour Evaluation. *Cereal Chem* 88:1-5
- Souza, E, M Guttieri, and C Sneller. 2011. Selecting Soft Wheat Genotypes for Whole Grain Cookies. *Crop Sci.* 51:189–197