

## Jane Lingenfelter

### Professional Positions

Coordinator- Kansas Crop Performance Tests, Department of Agronomy, Kansas State University, 2006-present.

Assistant Scientist- Grain Quality Laboratory, Department of Grain Science, Kansas State University, 2001-2006.

Technician- perennial wheat, sorghum, sunflower, Illinois bundleflower, and chickpea breeding, The Land Institute, Salina, Kansas, 2000-2001.

### Education

MS Kansas State University, Manhattan, 2000: Agronomy- Plant Breeding

BS Kansas State University, Manhattan, 1998: Agronomy- Production

### Publications

Lee, K.M., T.J. Herrman, J.E. Lingenfelter, D.S. Jackson. (2005) Classification and prediction of maize hardness-associated properties using multivariate statistical analyses. *J Cereal Science*, 41: 85-93.

Lee, K.M., J.P. Shroyer, T.J. Herrman, J.E. Lingenfelter. (2006) Blending Hard White Wheat to Improve Grain Yield and End-Use Performances. *J Crop Science* 46: 1124-1129.

Lee, K.M., T.J. Herrman, S. Bean., D. Jackson, J. Lingenfelter. (2007) Classification of Dry-Milled Grit Yield Groups using Quadratic Discriminant Analysis and Decision Tree Algorithm. *Cereal Chem* 84: 152-161.

Armstrong, P., J. Lingenfelter, L. McKinney. (2007) The Effect of Moisture Content on Determining Corn Hardness from Grinding Time and Grinding Energy, and Hardness Prediction Using Near-Infrared Spectroscopy. *Ap Eng in Agric* 23: 793-799.

Miller, R.; Seabourn, B.W.; Lingenfelter, J.; McKinney, L.2008. Preferred Hard Winter Wheat Varieties for Kansas. Kansas State University, MF-1077.

Lingenfelter, J. et al. 2008. Reports of Progress 999, 1000, 1003, 1004, 1005, 1006, Kansas Performance Tests with Wheat, Corn, Grain Sorghum, Soybean, Alfalfa, and Sunflower. Kansas Agricultural Experiment Station.

Lingenfelter, J. et al. 2009 Reports of Progress 1018, 1019, 1022, 1023, 1025, 1024, 1028 Kansas Performance Tests with Winter Wheat Varieties, Corn Hybrids, Soybean Varieties, Grain Sorghum Hybrids, Alfalfa Varieties, Sunflower Hybrids, and Cotton Varieties, respectively. Excerpts from 2009 Report of Progress 1026 National Winter Canola Variety Trials are published with The Kansas Performance Tests with Winter Wheat Varieties.

Lingenfelter, J. et al. 2010 Reports of Progress 1036, 1037, 1040, 1041, 1042, 1043, 1045 Kansas Performance Tests with Winter Wheat Varieties, Corn Hybrids, Soybean Varieties, Grain Sorghum Hybrids, Alfalfa Varieties, Sunflower Hybrids, and Cotton Varieties, respectively. Excerpts from 2010 Report of Progress 1044 National Winter Canola Variety Trials are published with The Kansas Performance Tests with Winter Wheat Varieties.

Lingenfelter, J. et al. 2011 Reports of Progress 1054, 1055, 1058, 1059, 1061, 1060, 1063 Kansas Performance Tests with Winter Wheat Varieties, Corn Hybrids, Soybean Varieties, Grain Sorghum Hybrids, Alfalfa Varieties, Sunflower Hybrids, and Cotton Varieties, respectively. Excerpts from 2011 Report of Progress 1062 National Winter Canola Variety Trials are published with The Kansas Performance Tests with Winter Wheat Varieties.

Lingenfelter, J. et al. 2012 Reports of Progress 1072, 1073, 1076, 1077, 1079, 1078, 1080 Kansas Performance Tests with Winter Wheat Varieties, Corn Hybrids, Soybean Varieties, Grain Sorghum Hybrids, Alfalfa Varieties, Sunflower Hybrids, and Cotton Varieties, respectively. Excerpts from 2012 Report of Progress 1075 National Winter Canola Variety Trials are published with The Kansas Performance Tests with Winter Wheat Varieties.

Lingenfelter, J. et al. 2013 Reports of Progress 1090, 1091, 1094, 1095, 1097, 1096, 1100 Kansas Performance Tests with Winter Wheat Varieties, Corn Hybrids, Soybean Varieties, Grain Sorghum Hybrids, Alfalfa Varieties, Sunflower Hybrids, and Cotton Varieties, respectively. Excerpts from 2013 Report of Progress 1102 National Winter Canola Variety Trials are published with The Kansas Performance Tests with Winter Wheat Varieties.

Assefa, Y., Roozeboom, C., Thompson, C., Schlegel, A., Stone, L., Lingenfelter, J. Corn and Grain Sorghum Comparison: All Things Considered. Elsevier, Inc. Academic Press, Massachusetts, 2014.

Lingenfelter, J. et al. 2014 Reports of Progress 1108, 1109, 1112, 1113, 1114, 1115, 1118 Kansas Performance Tests with Winter Wheat Varieties, Corn Hybrids, Soybean Varieties, Grain Sorghum Hybrids, Alfalfa Varieties, Sunflower Hybrids, and Cotton Varieties, respectively.

Lingenfelter, J. et al. 2015 Reports of Progress 1119, 1120, 1121, 1122, 1123, 1124, 1127 Kansas Performance Tests with Winter Wheat Varieties, Corn Hybrids, Soybean Varieties, Grain Sorghum Hybrids, Alfalfa Varieties, Sunflower Hybrids, and Cotton Varieties, respectively.

Lingenfelter, J. et al. 2016 Reports of Progress 1128, 1129, 1130, 1131, 1132, 1135 Kansas Performance Tests with Winter Wheat Varieties, Corn Hybrids, Soybean Varieties, Grain Sorghum Hybrids, Sunflower Hybrids, and Cotton Varieties, respectively.

Tack, Jesse, Lingenfelter, J., Jagadish, S.V. Disaggregating sorghum yield reductions under warming scenarios exposes narrow genetic diversity in US breeding programs. PNAS, 2017.

Lingenfelter, J. et al. 2017 Reports of Progress 1135, 1136, 1137, 1138, 1140, 1141 Kansas Performance Tests with Winter Wheat Varieties, Corn Hybrids, Soybean Varieties, Grain Sorghum Hybrids, Sunflower Hybrids, and National Canola Variety Trials, respectively.

Lingenfelter, J. et al. 2018 Reports of Progress 1143, 1145, 1146, 1147, 1148, 1150, 1144 Kansas Performance Tests with Winter Wheat Varieties, Corn Hybrids, Soybean Varieties, Grain Sorghum Hybrids, Sunflower Hybrids, National Canola Variety Trials, and Field Pea, respectively.

Lingenfelter, J. et al. 2019 Reports of Progress 1151, 1152, 1153, 1154, 1156, Kansas Performance Tests with Winter Wheat Varieties, Corn Hybrids, Soybean Varieties, Grain Sorghum Hybrids, and Sunflower Hybrids, respectively.

Lollato, R. P., K. Roozeboom, J. Lingenfelter, C. Silva, and G. Sassenrath. Soft winter wheat outyields hard winter wheat in a subhumid environment. *Crop Science* 60: 1617-1633.

Lingenfelter, J. et al. 2020 Reports of Progress 1158, 1159, 1160, 1161, 1163, Kansas Performance Tests with Winter Wheat Varieties, Corn Hybrids, Soybean Varieties, Grain Sorghum Hybrids, and Sunflower Hybrids, respectively.